

June 12, 1997

ENGINEERING DATA TRANSMITTAL

1. EDT 619594

Sta 22 (27)
 all BMD 6/18/97

2. To: (Receiving Organization) Engineering Administration		3. From: (Originating Organization) FFTF ASEE 18240		4. Related EDT No.:	
5. Proj./Prog./Dept./Div.: F-031		6. Design Authority/ Design Agent/Cog. Engr.: Derek Jones		7. Purchase Order No.: N/A	
8. Originator Remarks: Ladder Logic Diagrams for the Sodium Storage Facility PLC's				9. Equip./Component No.: C-3005	
11. Receiver Remarks: 11A. Design Baseline Document? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				10. System/Bldg./Facility: S93B/402/SSF	
				12. Major Assm. Dwg. No.: H-4-302426	
13. Permit/Permit Application No.:					
14. Required Response Date:					

15. DATA TRANSMITTED					(F)	(G)	(H)	(I)
(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	Approval Designator	Reason for Transmittal	Originator Disposition	Receiver Disposition
> 1	HNF-SD-FF-SDD-002		0	SSF Trace Heat Sys. Design Description	NA	2	1	
2	HNF-SD-FF-CSCM-9		0	SSF Software Configuration Control Plan	Q	2	1	1
→ 3	HNF-SD-FF-CSWD-60		0	SSF Trace Heat Cross Reference	NA	2	1	
4	HNF-SD-FF-CSWD-61		0	SSF Ladder Logic Diagrams	NA	2	1	

16. KEY					
Approval Designator (F)		Reason for Transmittal (G)		Disposition (H) & (I)	
E, S, Q, D or N/A (see WHC-CM-3-5, Sec. 12.7)	1. Approval 2. Release 3. Information	4. Review 5. Post-Review 6. Dist. (Receipt Acknow. Required)	1. Approved 2. Approved w/comment 3. Disapproved w/comment	4. Reviewed no/comment 5. Reviewed w/comment 6. Receipt acknowledged	

17. SIGNATURE/DISTRIBUTION (See Approval Designator for required signatures)											
(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN
		Design Authority	<i>Derek Jones</i>	5/23/97	12-05			D.A. Gen. H (ATD)	<i>D.A. Gen. H</i>	6/22/97	12-17
		Design Agent									
		Cog. Eng.	<i>Derek Jones</i>	5/23/97	12-05						
		Cog. Mgr.	<i>W. Hillman</i>	5/30/97	12-05						
		QA	<i>Frank A. Smith</i>	6/30/97	12-11						
		Safety									
		Env.									

18. Signature of EDT Originator <i>Derek Jones</i> 5/23/97		19. Authorized Representative Date for Receiving Organization		20. SEE BLOCK 17 FOR MANAGERIAL SIGNATURES <i>Derek Jones</i> 5/30/97 Design Authority/ Cognizant Manager		21. DOE APPROVAL (if required) Ctrl. No. <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/comments <input type="checkbox"/> Disapproved w/comments	
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Sodium Storage Facility Trace Heat Cross Reference

Derek D. Jones

B & W Hanford Company, Richland, WA 99352
U.S. Department of Energy Contract DE-AC06-96RL13200

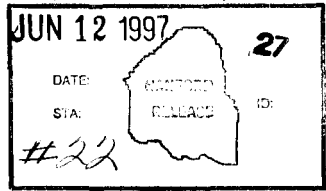
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Key Words: Sodium, SSF, Trace Heat, PLC, Computer

Abstract: This document provides the computer technician or software engineer with a method to correlate the PLC ladder logic rung numbers with the device tag in the man machine interface software.

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Bernice Wallace 6/12/97
Release Approval Date

Release Stamp

Approved for Public Release

Address	Symbol / Instruction	Comment / File Number:Rung Number
2:LBL1	-JMP- -LBL-	MD1 2:3 2:35 2:40
2:LBL10	-JMP- -LBL-	DEV2 2:382 2:313
2:LBL11	-JMP- -LBL-	DEV3 2:554 2:492
2:LBL12	-JMP- -LBL-	DEV4 2:742 2:675
2:LBL13	-JMP- -LBL-	AV1 2:118 2:151
2:LBL14	-JMP- -LBL-	AV2 2:312 2:345
2:LBL15	-JMP- -LBL-	AV3 2:491 2:520
2:LBL16	-JMP- -LBL-	AV4 2:674 2:705
2:LBL17	-JMP- -LBL-	PID110A 2:189 2:191
2:LBL18	-JMP- -LBL-	PID110B 2:197 2:199
2:LBL19	-JMP- -LBL-	PID110C 2:205 2:207
2:LBL2	-JMP- -LBL-	MD2 2:36 2:238
2:LBL20	-JMP- -LBL-	PID111A 2:213 2:215
2:LBL21	-JMP- -LBL-	PID111B 2:221 2:223

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Address	Symbol / Instruction	Comment / File Number:Rung Number
2:LBL22	-JMP- 2:229 -LBL- 2:232	PID111C
2:LBL23	-JMP- 2:383 -LBL- 2:385	PID112A
2:LBL24	-JMP- 2:391 -LBL- 2:393	PID112B
2:LBL25	-JMP- 2:399 -LBL- 2:401	PID112C
2:LBL26	-JMP- 2:407 -LBL- 2:409	PID113A
2:LBL27	-JMP- 2:415 -LBL- 2:417	PID113B
2:LBL28	-JMP- 2:423 -LBL- 2:426	PID113C
2:LBL29	-JMP- 2:555 -LBL- 2:557	PID119
2:LBL3	-JMP- 2:37 -LBL- 2:432	MD3
2:LBL30	-JMP- 2:563 -LBL- 2:565	PID120
2:LBL31	-JMP- 2:571 -LBL- 2:573	PID121
2:LBL32	-JMP- 2:579 -LBL- 2:581	PID122
2:LBL33	-JMP- 2:587 -LBL- 2:589	PID123
2:LBL34	-JMP- 2:595 -LBL- 2:597	PID124

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Address	Symbol / Instruction	Comment / File Number:Rung Number
2:LBL35		PID125
	-JMP- 2:603	
	-LBL- 2:606	
2:LBL36		PID130
	-JMP- 2:743	
	-LBL- 2:745	
2:LBL37		PID131
	-JMP- 2:751	
	-LBL- 2:753	
2:LBL38		PID132
	-JMP- 2:759	
	-LBL- 2:761	
2:LBL39		PID133
	-JMP- 2:767	
	-LBL- 2:769	
2:LBL4		MD4
	-JMP- 2:38	
	-LBL- 2:612	
2:LBL40		PID134
	-JMP- 2:775	
	-LBL- 2:777	
2:LBL41		PID140
	-JMP- 2:783	
	-LBL- 2:785	
2:LBL42		PID141
	-JMP- 2:791	
	-LBL- 2:793	
2:LBL43		PID142
	-JMP- 2:799	
	-LBL- 2:802	
2:LBL56		
	-JMP- 2:192	
	-LBL- 2:196	
2:LBL57		
	-JMP- 2:200	
	-LBL- 2:204	
2:LBL58		
	-JMP- 2:208	
	-LBL- 2:212	
2:LBL59		
	-JMP- 2:216	
	-LBL- 2:220	

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Address	Symbol / Instruction	Comment / File Number:Rung Number
2:LBL6		NOT END
	-JMP-	2:39 2:233 2:237 2:427 2:431 2:607 2:611 2:803 2:807
	-LBL-	2:808
2:LBL60		
	-JMP-	2:224
	-LBL-	2:228
2:LBL62		
	-JMP-	2:394
	-LBL-	2:398
2:LBL63		
	-JMP-	2:402
	-LBL-	2:406
2:LBL64		
	-JMP-	2:410
	-LBL-	2:414
2:LBL65		
	-JMP-	2:418
	-LBL-	2:422
2:LBL67		
	-JMP-	2:558
	-LBL-	2:562
2:LBL68		
	-JMP-	2:566
	-LBL-	2:570
2:LBL69		
	-JMP-	2:574
	-LBL-	2:578
2:LBL7		END
	-JMP-	2:31
	-LBL-	2:909
2:LBL70		
	-JMP-	2:582
	-LBL-	2:586
2:LBL71		
	-JMP-	2:590
	-LBL-	2:594
2:LBL72		
	-JMP-	2:598
	-LBL-	2:602
2:LBL74		
	-JMP-	2:746
	-LBL-	2:750

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Cross Reference

Processor File: SODIUM1A.ACH

Address	Symbol / Instruction	Comment / File Number:Rung Number
2:LBL75	-JMP- -LBL-	2:754 2:758
2:LBL76	-JMP- -LBL-	2:762 2:766
2:LBL77	-JMP- -LBL-	2:770 2:774
2:LBL78	-JMP- -LBL-	2:778 2:782
2:LBL79	-JMP- -LBL-	2:786 2:790
2:LBL8	-JMP- -LBL-	SCHTMR RUN 2:0 2:32 JUMPS OVER STARTUP CODE
2:LBL80	-JMP- -LBL-	2:794 2:798
2:LBL82	-JMP- -LBL-	2:386 2:390
2:LBL9	-JMP- -LBL-	DEV1 2:188 2:119
3	-JSR-	2:1
B3/21	ENABLE_T2 -J [- -J/[- -()-	TNK T-3002 2:814 2:817 2:818 2:822 2:824 2:824 2:826 2:826 2:821
B3/22	ENABLE_T3 -J [- -J/[- -()-	TNK T-3003 2:815 2:817 2:819 2:820 2:820 2:822 2:824 2:824 2:826 2:826 2:823
B3/23	ENABLE_T4 -J [- -J/[- -()-	TNK T-3004 2:816 2:818 2:819 2:820 2:820 2:822 2:822 2:826 2:826 2:825

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Address	Symbol / Instruction	Comment / File Number:	Rung Number
B3/24	ENABLE_T1		
	-J [-	2:814 2:815 2:816	
	-J/[-	2:820 2:820 2:822 2:822 2:824 2:824	
	-()-	2:827	
B3/60	T1_T2		
	-J [-	2:811 2:812	
	-()-	2:814	
B3/61	T1_T3		
	-J [-	2:810	
	-()-	2:815	
B3/62	T1_T4		
	-J [-	2:810 2:811 2:812	
	-()-	2:816	
B3/63	T2_T3		
	-J [-	2:812 2:813	
	-()-	2:817	
B3/64	T2_T4		
	-J [-	2:811 2:813	
	-()-	2:818	
B3/65	T3_T4		
	-J [-	2:810 2:813	
	-()-	2:819	
F8:0	TOTAL		
	-ADD-	2:153 2:153 2:154 2:154 2:155 2:155 2:156 2:156 2:159 2:159	
		2:160 2:160 2:161 2:161 2:162 2:162 2:165 2:165 2:166 2:166	
		2:167 2:167 2:168 2:168 2:171 2:171 2:172 2:172 2:173 2:173	
		2:174 2:174 2:177 2:177 2:178 2:178 2:179 2:179 2:180 2:180	
		2:183 2:183 2:184 2:184 2:185 2:185 2:186 2:186 2:347 2:347	
		2:348 2:348 2:349 2:349 2:350 2:350 2:353 2:353 2:354 2:354	
		2:355 2:355 2:356 2:356 2:359 2:359 2:360 2:360 2:361 2:361	
		2:362 2:362 2:365 2:365 2:366 2:366 2:367 2:367 2:368 2:368	
		2:371 2:371 2:372 2:372 2:373 2:373 2:374 2:374 2:377 2:377	
		2:378 2:378 2:379 2:379 2:380 2:380 2:522 2:522 2:523 2:523	
		2:524 2:524 2:527 2:527 2:528 2:528 2:529 2:529 2:532 2:532	
		2:533 2:533 2:534 2:534 2:537 2:537 2:538 2:538 2:539 2:539	
		2:542 2:542 2:543 2:543 2:544 2:544 2:547 2:547 2:548 2:548	
		2:551 2:551 2:552 2:552 2:707 2:707 2:708 2:708 2:709 2:709	
		2:712 2:712 2:713 2:713 2:714 2:714 2:717 2:717 2:718 2:718	
		2:721 2:721 2:722 2:722 2:725 2:725 2:726 2:726 2:729 2:729	
		2:730 2:730 2:731 2:731 2:734 2:734 2:735 2:735 2:736 2:736	
		2:739 2:739 2:740 2:740	
	-CLR-	2:152 2:158 2:164 2:170 2:176 2:182 2:346 2:352 2:358 2:364	
		2:370 2:376 2:521 2:526 2:531 2:536 2:541 2:546 2:706 2:711	
		2:716 2:720 2:724 2:728 2:733 2:738	
	-DIV-	2:157 2:163 2:169 2:175 2:181 2:187 2:351 2:357 2:363 2:369	
		2:375 2:381 2:525 2:530 2:535 2:540 2:545 2:549 2:553 2:710	
		2:715 2:719 2:723 2:727 2:732 2:737 2:741	
	-MOV-	2:550	

Address	Symbol / Instruction	Comment / File Number:Rung NumLar
I:2/0	PSH_3001 -] [- 2:114	
I:2/1	PSH_3002 -] [- 2:115	
I:2/2	PSH_3003 -] [- 2:116	
I:2/3	PSH_3004 -] [- 2:117	
I:3.0	TC110A1 -ADD- 2:42	
I:3.1	TC110A2 -ADD- 2:44	
I:3.2	TC110A3 -ADD- 2:46	
I:3.3	TC110A4 -ADD- 2:48	
I:3/75	-] / [- 2:90	T/C ENABLE
I:3/76	-] [- 2:90	OPEN T/C
I:3/77	-] [- 2:90	LO LIMIT
I:3/78	-] [- 2:90	HI LIMIT
I:3/79	-] [- 2:90	CNFG ERROR
I:3/91	-] / [- 2:91	T/C ENABLE
I:3/92	-] [- 2:91	OPEN T/C
I:3/93	-] [- 2:91	LO LIMIT
I:3/94	-] [- 2:91	HI LIMIT
I:3/95	-] [- 2:91	CNFG ERROR
I:3/107	-] / [- 2:92	T/C ENABLE

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:3/108	-1 [- 2:92	OPEN T/C
I:3/109	-1 [- 2:92	LO LIMIT
I:3/110	-1 [- 2:92	HI LIMIT
I:3/111	-1 [- 2:92	CNFG ERROR
I:3/123	-1/[- 2:93	T/C ENABLE
I:3/124	-1 [- 2:93	OPEN T/C
I:3/125	-1 [- 2:93	LO LIMIT
I:3/126	-1 [- 2:93	HI LIMIT
I:3/127	-1 [- 2:93	CNFG ERROR
I:4.0	TC110B1 -ADD- 2:50	
I:4.1	TC110B2 -ADD- 2:52	
I:4.2	TC110B3 -ADD- 2:54	
I:4.3	TC110B4 -ADD- 2:56	
I:4/75	-1/[- 2:94	T/C ENABLE
I:4/76	-1 [- 2:94	OPEN T/C
I:4/77	-1 [- 2:94	LO LIMIT
I:4/78	-1 [- 2:94	HI LIMIT
I:4/79	-1 [- 2:94	CNFG ERROR
I:4/91	-1/[- 2:95	T/C ENABLE

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:4/92	-] [- 2:95	OPEN T/C
I:4/93	-] [- 2:95	LO LIMIT
I:4/94	-] [- 2:95	HI LIMIT
I:4/95	-] [- 2:95	CNFG ERROR
I:4/107	-] [- 2:96	T/C ENABLE
I:4/108	-] [- 2:96	OPEN T/C
I:4/109	-] [- 2:96	LO LIMIT
I:4/110	-] [- 2:96	HI LIMIT
I:4/111	-] [- 2:96	CNFG ERROR
I:4/123	-] [- 2:97	T/C ENABLE
I:4/124	-] [- 2:97	OPEN T/C
I:4/125	-] [- 2:97	LO LIMIT
I:4/126	-] [- 2:97	HI LIMIT
I:4/127	-] [- 2:97	CNFG ERROR
I:5.0	TC110C1 -ADD- 2:58	
I:5.1	TC110C2 -ADD- 2:60	
I:5.2	TC110C3 -ADD- 2:62	
I:5.3	TC110C4 -ADD- 2:64	
I:5/75	-] [- 2:98	T/C ENABLE

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Cross Reference

Processor File: SODIUM1A.ACH

Address	Symbol / Instruction	Comment / File Number:Rung Number
I:5/76	-J [- 2:98	OPEN T/C
I:5/77	-J [- 2:98	LO LIMIT
I:5/78	-1 [- 2:98	HI LIMIT
I:5/79	-J [- 2:98	CNFG ERROR
I:5/91	-1/[- 2:99	T/C ENABLE
I:5/92	-J [- 2:99	OPEN T/C
I:5/93	-J [- 2:99	LO LIMIT
I:5/94	-J [- 2:99	HI LIMIT
I:5/95	-J [- 2:99	CNFG ERROR
I:5/107	-1/[- 2:100	T/C ENABLE
I:5/108	-J [- 2:100	OPEN T/C
I:5/109	-J [- 2:100	LO LIMIT
I:5/110	-J [- 2:100	HI LIMIT
I:5/111	-J [- 2:100	CNFG ERROR
I:5/123	-1/[- 2:101	T/C ENABLE
I:5/124	-J [- 2:101	OPEN T/C
I:5/125	-J [- 2:101	LO LIMIT
I:5/126	-J [- 2:101	HI LIMIT
I:5/127	-J [- 2:101	CNFG ERROR

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Address	Symbol / Instruction	Comment / File Number:Rung Numlar
I:6.0	TC111A1 -ADD-	2:66
I:6.1	TC111A2 -ADD-	2:68
I:6.2	TC111A3 -ADD-	2:70
I:6.3	TC111A4 -ADD-	2:72
I:6/75	-J/[-	2:102 T/C ENABLE
I:6/76	-J [-	2:102 OPEN T/C
I:6/77	-J [-	2:102 LO LIMIT
I:6/78	-J [-	2:102 HI LIMIT
I:6/79	-J [-	2:102 CNFG ERROR
I:6/91	-J/[-	2:103 T/C ENABLE
I:6/92	-J [-	2:103 OPEN T/C
I:6/93	-J [-	2:103 LO LIMIT
I:6/94	-J [-	2:103 HI LIMIT
I:6/95	-J [-	2:103 CNFG ERROR
I:6/107	-J/[-	2:104 T/C ENABLE
I:6/108	-J [-	2:104 OPEN T/C
I:6/109	-J [-	2:104 LO LIMIT
I:6/110	-J [-	2:104 HI LIMIT
I:6/111	-J [-	2:104 CNFG ERROR

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:6/123	-J/[- 2:105	T/C ENABLE
I:6/124	-J [- 2:105	OPEN T/C
I:6/125	-J [- 2:105	LO LIMIT
I:6/126	-J [- 2:105	HI LIMIT
I:6/127	-J [- 2:105	CNFG ERROR
I:7.0	TC111B1 -ADD- 2:74	
I:7.1	TC111B2 -ADD- 2:76	
I:7.2	TC111B3 -ADD- 2:78	
I:7.3	TC111B4 -ADD- 2:80	
I:7/75	-J/[- 2:106	T/C ENABLE
I:7/76	-J [- 2:106	OPEN T/C
I:7/77	-J [- 2:106	LO LIMIT
I:7/78	-J [- 2:106	HI LIMIT
I:7/79	-J [- 2:106	CNFG ERROR
I:7/91	-J/[- 2:107	T/C ENABLE
I:7/92	-J [- 2:107	OPEN T/C
I:7/93	-J [- 2:107	LO LIMIT
I:7/94	-J [- 2:107	HI LIMIT
I:7/95	-J [- 2:107	CNFG ERROR

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:7/107	-J/[- 2:108	T/C ENABLE
I:7/108	-J [- 2:108	OPEN T/C
I:7/109	-1 [- 2:108	LO LIMIT
I:7/110	-1 [- 2:108	HI LIMIT
I:7/111	-J [- 2:108	CNFG ERROR
I:7/123	-J/[- 2:109	T/C ENABLE
I:7/124	-1 [- 2:109	OPEN T/C
I:7/125	-1 [- 2:109	LO LIMIT
I:7/126	-J [- 2:109	HI LIMIT
I:7/127	-1 [- 2:109	CNFG ERROR
I:8.0	TC111C1 -ADD- 2:82	
I:8.1	TC111C2 -ADD- 2:84	
I:8.2	TC111C3 -ADD- 2:86	
I:8.3	TC111C4 -ADD- 2:88	
I:8/75	-J/[- 2:110	T/C ENABLE
I:8/76	-J [- 2:110	OPEN T/C
I:8/77	-1 [- 2:110	LO LIMIT
I:8/78	-J [- 2:110	HI LIMIT
I:8/79	-J [- 2:110	CNFG ERROR

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:8/91	-1/[- 2:111	T/C ENABLE T/C ENABLE
I:8/92	-] [- 2:111	OPEN T/C OPEN T/C
I:8/93	-] [- 2:111	LO LIMIT LO LIMIT
I:8/94	-] [- 2:111	HI LIMIT
I:8/95	-] [- 2:111	CNFG ERROR
I:8/107	-1/[- 2:112	T/C ENABLE
I:8/108	-] [- 2:112	OPEN T/C
I:8/109	-] [- 2:112	LO LIMIT
I:8/110	-] [- 2:112	HI LIMIT
I:8/111	-] [- 2:112	CNFG ERROR
I:8/123	-]/[- 2:113	
I:8/124	-] [- 2:113	OPEN T/C
I:8/125	-] [- 2:113	LO LIMIT
I:8/126	-] [- 2:113	HI LIMIT
I:8/127	-] [- 2:113	CNFG ERROR
I:9.0	TC112A1 -ADD- 2:240	
I:9.1	TC112A2 -ADD- 2:242	
I:9.2	TC112A3 -ADD- 2:244	

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:9/3	TC112A4 -ADD- 2:246	
I:9/75	-1/[2:288	T/C ENABLE
I:9/76	-1 [2:288	OPEN T/C
I:9/77	-] I- 2:288	
I:9/78	-] [2:288	HI LIMIT
I:9/79	-] [2:288	CNFG ERROR
I:9/91	-1/[2:289	T/C ENABLE
I:9/92	-] [2:289	OPEN T/C
I:9/93	-] I- 2:289	LO LIMIT
I:9/94	-] [2:289	HI LIMIT
I:9/95	-] [2:289	CNFG ERROR
I:9/107	-1/[2:290	T/C ENABLE
I:9/108	-] [2:290	OPEN T/C
I:9/109	-] I- 2:290	LO LIMIT
I:9/110	-] [2:290	HI LIMIT
I:9/111	-] [2:290	CNFG ERROR
I:9/123	-1/[2:291	T/C ENABLE
I:9/124	-] [2:291	OPEN T/C
I:9/125	-] I- 2:291	LO LIMIT

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:9/126	-] [- 2:291	HI LIMIT
I:9/127	-] [- 2:291	CNFG ERROR
I:10.0	TC112B1 -ADD- 2:248	
I:10.1	TC112B2 -ADD- 2:250	
I:10.2	TC112B3 -ADD- 2:252	
I:10.3	TC112B4 -ADD- 2:254	
I:10/75	-]/[- 2:292	T/C ENABLE
I:10/76	-] [- 2:292	OPEN T/C
I:10/77	-] [- 2:292	LO LIMIT
I:10/78	-] [- 2:292	HI LIMIT
I:10/79	-] [- 2:292	CNFG ERROR
I:10/91	-]/[- 2:293	T/C ENABLE
I:10/92	-] [- 2:293	OPEN T/C
I:10/93	-] [- 2:293	LO LIMIT
I:10/94	-] [- 2:293	HI LIMIT
I:10/95	-] [- 2:293	CNFG ERROR
I:10/107	-]/[- 2:294	T/C ENABLE
I:10/108	-] [- 2:294	OPEN T/C
I:10/109	-] [- 2:294	LO LIMIT

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:10/110	-J [- 2:294	HI LIMIT
I:10/111	-J [- 2:294	CNFG ERROR
I:10/123	-J/[- 2:295	T/C ENABLE
I:10/124	-J [- 2:295	OPEN T/C
I:10/125	-J [- 2:295	LO LIMIT
I:10/126	-J [- 2:295	HI LIMIT
I:10/127	-J [- 2:295	CNFG ERROR
I:11.0	TC112C1 -ADD- 2:256	
I:11.1	TC112C2 -ADD- 2:258	
I:11.2	TC112C3 -ADD- 2:260	
I:11.3	TC112C4 -ADD- 2:262	
I:11/75	-J/[- 2:296	T/C ENABLE
I:11/76	-J [- 2:296	OPEN T/C
I:11/77	-J [- 2:296	LO LIMIT
I:11/7B	-J [- 2:296	HI LIMIT
I:11/79	-J [- 2:296	CNFG ERROR
I:11/91	-J/[- 2:297	T/C ENABLE
I:11/92	-J [- 2:297	OPEN T/C
I:11/93	-J [- 2:297	LO LIMIT

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:11/94	-] [- 2:297	HI LIMIT
I:11/95	-] [- 2:297	CNFG ERROR
I:11/107	-] / [- 2:298	T/C ENABLE
I:11/108	-] [- 2:298	OPEN T/C
I:11/109	-] [- 2:298	LO LIMIT
I:11/110	-] [- 2:298	HI LIMIT
I:11/111	-] [- 2:298	CNFG ERROR
I:11/123	-] / [- 2:299	T/C ENABLE
I:11/124	-] [- 2:299	OPEN T/C
I:11/125	-] [- 2:299	LO LIMIT
I:11/126	-] [- 2:299	HI LIMIT
I:11/127	-] [- 2:299	CNFG ERROR
I:12.0	TC113A1 -ADD- 2:264	T-3001
I:12.1	TC113A2 -ADD- 2:266	
I:12.2	TC113A3 -ADD- 2:268	
I:12.3	TC113A4 -ADD- 2:270	
I:12/75	-] / [- 2:300	T/C ENABLE
I:12/76	-] [- 2:300	OPEN T/C
I:12/77	-] [- 2:300	LO LIMIT

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Address	Symbol / Instruction	Comment / File Number:Rung Numler
I:12/78	-) [- 2:300	HI LIMIT
I:12/79	-) [- 2:300	CNFG ERROR
I:12/91	-)/[- 2:301	T/C ENABLE
I:12/92	-) [- 2:301	OPEN T/C
I:12/93	-) [- 2:301	LO LIMIT
I:12/94	-) [- 2:301	HI LIMIT
I:12/95	-) [- 2:301	CNFG ERROR
I:12/107	-)/[- 2:302	T/C ENABLE
I:12/108	-) [- 2:302	OPEN T/C
I:12/109	-) [- 2:302	LO LIMIT
I:12/110	-) [- 2:302	HI LIMIT
I:12/111	-) [- 2:302	CNFG ERROR
I:12/123	-)/[- 2:303	T/C ENABLE
I:12/124	-) [- 2:303	OPEN T/C
I:12/125	-) [- 2:303	LO LIMIT
I:12/126	-) [- 2:303	HI LIMIT
I:12/127	-) [- 2:303	CNFG ERROR
I:13.0	TC113B1 -ADD- 2:272	T-3001
I:13.1	TC113B2 -ADD- 2:274	

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:13.2	TC113B3 -ADD- 2:276	
I:13.3	TC113B4 -ADD- 2:278	
I:13/75	-]/[- 2:304	T/C ENABLE
I:13/76	-] [- 2:304	OPEN T/C
I:13/77	-] [- 2:304	LO LIMIT
I:13/78	-] [- 2:304	HI LIMIT
I:13/79	-] [- 2:304	CNFG ERROR
I:13/91	-]/[- 2:305	T/C ENABLE
I:13/92	-] [- 2:305	OPEN T/C
I:13/93	-] [- 2:305	LO LIMIT
I:13/94	-] [- 2:305	HI LIMIT
I:13/95	-] [- 2:305	CNFG ERROR
I:13/107	-]/[- 2:306	T/C ENABLE
I:13/108	-] [- 2:306	OPEN T/C
I:13/109	-] [- 2:306	LO LIMIT
I:13/110	-] [- 2:306	HI LIMIT
I:13/111	-] [- 2:306	CNFG ERROR
I:13/123	-]/[- 2:307	T/C ENABLE
I:13/124	-] [- 2:307	OPEN T/C

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Cross Reference

Processor File: SODIUM1A.ACH

Address	Symbol / Instruction	Comment / File Number:Rung Number
I:13/125	-) [- 2:307	LO LIMIT
I:13/126	-) [- 2:307	HI LIMIT
I:13/127	-) [- 2:307	CNFG ERROR
I:14.0	TC113C1 -ADD- 2:280	T-3001
I:14.1	TC113C2 -ADD- 2:282	
I:14.2	TC113C3 -ADD- 2:284	
I:14.3	TC113C4 -ADD- 2:286	
I:14/75	-) / [- 2:308	T/C ENABLE
I:14/76	-) [- 2:308	OPEN T/C
I:14/77	-) [- 2:308	LO LIMIT
I:14/78	-) [- 2:308	HI LIMIT
I:14/79	-) [- 2:308	CNFG ERROR
I:14/91	-) / [- 2:309	T/C ENABLE
I:14/92	-) [- 2:309	OPEN T/C
I:14/93	-) [- 2:309	LO LIMIT
I:14/94	-) [- 2:309	HI LIMIT
I:14/95	-) [- 2:309	CNFG ERROR
I:14/107	-) / [- 2:310	T/C ENABLE
I:14/108	-) [- 2:310	OPEN T/C

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:14/109	-J [- 2:310	LO LIMIT
I:14/110	-J [- 2:310	HI LIMIT
I:14/111	-J [- 2:310	CNFG ERROR
I:14/123	-J/[- 2:311	T/C ENABLE
I:14/124	-J [- 2:311	OPEN T/C
I:14/125	-J [- 2:311	LO LIMIT
I:14/126	-J [- 2:311	HI LIMIT
I:14/127	-J [- 2:311	CNFG ERROR
I:15.0	TC119A -ADD- 2:434	ZONE 119
I:15.1	TC119B -ADD- 2:436	
I:15.2	TC119C -ADD- 2:438	
I:15.3	TC120A -ADD- 2:440	
I:15/75	-J/[- 2:472	T/C ENABLE
I:15/76	-J [- 2:472	OPEN T/C
I:15/77	-J [- 2:472	LO LIMIT
I:15/78	-J [- 2:472	HI LIMIT
I:15/79	-J [- 2:472	CNFG ERROR
I:15/91	-J/[- 2:473	T/C ENABLE
I:15/92	-J [- 2:473	OPEN T/C

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:15/93	-J [- 2:473	LO LIMIT
I:15/94	-J [- 2:473	HI LIMIT
I:15/95	-J [- 2:473	CNFG ERROR
I:15/107	-J/[- 2:474	T/C ENABLE
I:15/108	-J [- 2:474	OPEN T/C
I:15/109	-J [- 2:474	LO LIMIT
I:15/110	-J [- 2:474	HI LIMIT
I:15/111	-J [- 2:474	CNFG ERROR
I:15/123	-J/[- 2:475	T/C ENABLE
I:15/124	-J [- 2:475	OPEN T/C
I:15/125	-J [- 2:475	LO LIMIT
I:15/126	-J [- 2:475	HI LIMIT
I:15/127	-J [- 2:475	CNFG ERROR
I:16.0	TC120B -ADD- 2:442	
I:16.1	TC120C -ADD- 2:444	
I:16.2	TC121A -ADD- 2:446	
I:16.3	TC121B -ADD- 2:448	

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:16/75	-1/[- 2:476	T/C ENABLE
I:16/76	-1 [- 2:476	OPEN T/C
I:16/77	-1 [- 2:476	LO LIMIT
I:16/78	-1 [- 2:476	HI LIMIT
I:16/79	-1 [- 2:476	CNFG ERROR
I:16/91	-1/[- 2:477	T/C ENABLE
I:16/92	-1 [- 2:477	OPEN T/C
I:16/93	-1 [- 2:477	LO LIMIT
I:16/94	-1 [- 2:477	HI LIMIT
I:16/95	-1 [- 2:477	CNFG ERROR
I:16/107	-1/[- 2:478	T/C ENABLE
I:16/108	-1 [- 2:478	OPEN T/C
I:16/109	-1 [- 2:478	LO LIMIT
I:16/110	-1 [- 2:478	HI LIMIT

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:16/111	-) [- 2:478	CNFG ERROR
I:16/123	-) / [- 2:479	T/C ENABLE
I:16/124	-) [- 2:479	OPEN T/C
I:16/125	-) [- 2:479	LO LIMIT
I:16/126	-) [- 2:479	HI LIMIT
I:16/127	-) [- 2:479	CNFG ERROR
I:17.0	TC121C -ADD- 2:450	
I:17.1	TC122A -ADD- 2:452	
I:17.2	TC122B -ADD- 2:454	
I:17.3	TC122C -ADD- 2:456	
I:17/75	-) / [- 2:480	T/C ENABLE
I:17/76	-) [- 2:480	OPEN T/C
I:17/77	-) [- 2:480	LO LIMIT
I:17/78	-) [- 2:480	HI LIMIT
I:17/79	-) [- 2:480	CNFG ERROR

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:17/91	-1/[- 2:481	T/C ENABLE
I:17/92	-] [- 2:481	OPEN T/C
I:17/93	-] [- 2:481	LO LIMIT
I:17/94	-] [- 2:481	HI LIMIT
I:17/95	-] [- 2:481	CNFG ERROR
I:17/107	-1/[- 2:482	T/C ENABLE
I:17/108	-] [- 2:482	OPEN T/C
I:17/109	-] [- 2:482	LO LIMIT
I:17/110	-] [- 2:482	HI LIMIT
I:17/111	-] [- 2:482	CNFG ERROR
I:17/123	-1/[- 2:483	T/C ENABLE
I:17/124	-] [- 2:483	OPEN T/C
I:17/125	-] [- 2:483	LO LIMIT
I:17/126	-] [- 2:483 2:483	CNFG ERROR
I:18.0	TC123A -ADD- 2:458	

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:18.1	TC123B -ADD-	2:460
I:18.2	TC123C -ADD-	2:462
I:18.3	TC124A -ADD-	2:464
I:18/75	-J/[-	2:484 T/C ENABLE
I:18/76	-J [-	2:484 OPEN T/C
I:18/77	-J [-	2:484 LO LIMIT
I:18/78	-J [-	2:484 HI LIMIT
I:18/79	-J [-	2:484 CNFG ERROR
I:18/91	-J/[-	2:485 T/C ENABLE
I:18/92	-J [-	2:485 OPEN T/C
I:18/93	-J [-	2:485 LO LIMIT
I:18/94	-J [-	2:485 HI LIMIT
I:18/95	-J [-	2:485 CNFG ERROR
I:18/107	-J/[-	2:486 T/C ENABLE
I:18/108	-J [-	2:486 OPEN T/C

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:18/109	-J [- 2:486	LO LIMIT
I:18/110	-J [- 2:486	HI LIMIT
I:18/111	-J [- 2:486	CNFG ERROR
I:18/123	-J[- 2:487	T/C ENABLE
I:18/124	-J [- 2:487	OPEN T/C
I:18/125	-J [- 2:487	LO LIMIT
I:18/126	-J [- 2:487	HI LIMIT
I:18/127	-J [- 2:487	CNFG ERROR
I:19.0	TC124B -ADD- 2:466	
I:19.1	TC125A -ADD- 2:468	
I:19.2	TC125B -ADD- 2:470	
I:19.3	TC130A -ADD- 2:614	
I:19/75	-J[- 2:488	T/C ENABLE
I:19/76	-J [- 2:488	OPEN T/C
I:19/77	-J [- 2:488	LO LIMIT

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:19/78	-] [- 2:488	HI LIMIT
I:19/79	-] [- 2:488	CNFG ERROR
I:19/91	-] / [- 2:489	T/C ENABLE
I:19/92	-] [- 2:489	OPEN T/C
I:19/93	-] [- 2:489	LO LIMIT
I:19/94	-] [- 2:489	HI LIMIT
I:19/95	-] [- 2:489	CNFG ERROR
I:19/107	-] / [- 2:490	T/C ENABLE
I:19/108	-] [- 2:490	OPEN T/C
I:19/109	-] [- 2:490	LO LIMIT
I:19/110	-] [- 2:490	HI LIMIT
I:19/111	-] [- 2:490	CNFG ERROR
I:19/123	-] / [- 2:654	T/C ENABLE
I:19/124	-] [- 2:654	OPEN T/C

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:19/125	-] [- 2:654	LO LIMIT
I:19/126	-] [- 2:654	HI LIMIT
I:19/127	-] [- 2:654	CNFG ERROR
I:20.0	TC130B -ADD- 2:616	
I:20.1	TC130C -ADD- 2:618	
I:20.2	TC131A -ADD- 2:620	
I:20.3	TC131B -ADD- 2:622	
I:20/75	-]/[- 2:655	T/C ENABLE
I:20/76	-] [- 2:655	OPEN T/C
I:20/77	-] [- 2:655	LO LIMIT
I:20/78	-] [- 2:655	HI LIMIT
I:20/79	-] [- 2:655	CNFG ERROR
I:20/91	-]/[- 2:656	T/C ENABLE
I:20/92	-] [- 2:656	OPEN T/C
I:20/93	-] [- 2:656	LO LIMIT

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:20/94	-] [- 2:656	HI LIMIT
I:20/95	-] [- 2:656	CNFG ERROR
I:20/107	-] / [- 2:657	T/C ENABLE
I:20/108	-] [- 2:657	OPEN T/C
I:20/109	-] [- 2:657	LO LIMIT
I:20/110	-] [- 2:657	HI LIMIT
I:20/111	-] [- 2:657	CNFG ERROR
I:20/123	-] / [- 2:658	T/C ENABLE
I:20/124	-] [- 2:658	OPEN T/C
I:20/125	-] [- 2:658	LO MLIMIT
I:20/126	-] [- 2:658	HI LIMIT
I:20/127	-] [- 2:658	CNFG ERROR
I:21.0	TC131C -ADD-	2:624
I:21.1	TC132A -ADD-	2:626
I:21.2	TC132B -ADD-	2:628

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Cross Reference

Processor File: SODIUM1A.ACH

Address	Symbol / Instruction	Comment / File Number:Rung Number
I:21.3	TC133A -ADD-	2:630
I:21/75	-J/[T/C ENABLE 2:659
I:21/76	-J [-	OPEN T/C 2:659
I:21/77	-J [-	LO LIMIT 2:659
I:21/78	-J [-	HI LIMIT 2:659
I:21/79	-J [-	CNFG ERROR 2:659
I:21/91	-J/[T/C ENABLE 2:660
I:21/92	-J [-	OPEN T/C 2:660
I:21/93	-J [-	LO LIMIT 2:660
I:21/94	-J [-	HI LIMIT 2:660
I:21/95	-J [-	CNFG ERROR 2:660
I:21/107	-J/[T/C ENABLE 2:661
I:21/108	-J [-	OPEN T/C 2:661
I:21/109	-J [-	LO LIMIT 2:661
I:21/110	-J [-	HI LIMIT 2:661

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:21/111	-J [- 2:661	CNFG ERROR
I:21/123	-J/[- 2:662	T/C ENABLE
I:21/124	-J [- 2:662	OPEN T/C
I:21/125	-J [- 2:662	LO LIMIT
I:21/126	-J [- 2:662	HI LIMIT
I:21/127	-J [- 2:662	CNFG ERROR
I:22.0	TC133B -ADD- 2:632	
I:22.1	TC134A -ADD- 2:634	
I:22.2	TC134B -ADD- 2:636	
I:22.3	TC140A -ADD- 2:638	
I:22/75	-J/[- 2:663	T/C ENABLE
I:22/76	-J [- 2:663	OPEN T/C
I:22/77	-J [- 2:663	LO LIMIT
I:22/78	-J [- 2:663	HI LIMIT
I:22/79	-J [- 2:663	CNFG ERROR

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:22/91	-1/[- 2:664	T/C ENABLE
I:22/92	-] [- 2:664	OPEN T/C
I:22/93	-] [- 2:664	LO LIMIT
I:22/94	-] [- 2:664	HI LIMIT
I:22/95	-] [- 2:664	CNFG ERROR
I:22/107	-1/[- 2:665	T/C ENABLE
I:22/108	-] [- 2:665	OPEN T/C
I:22/109	-] [- 2:665	LO LIMIT
I:22/110	-] [- 2:665	HI LIMIT
I:22/111	-] [- 2:665	CNFG ERROR
I:22/123	-1/[- 2:666	T/C ENABLE
I:22/124	-] [- 2:666	OPEN T/C
I:22/125	-] [- 2:666	LO LIMIT
I:22/126	-] [- 2:666	HI LIMIT

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:22/127	-] [- 2:666	CNFG ERROR
I:23.0	TC140B -ADD- 2:640	
I:23.1	TC140C -ADD- 2:642	
I:23.2	TC141A -ADD- 2:644	
I:23.3	TC141B -ADD- 2:646	
I:23/75	-]/[- 2:667	T/C ENABLE
I:23/76	-] [- 2:667	OPEN T/C
I:23/77	-] [- 2:667	LO LIMIT
I:23/78	-] [- 2:667	HI LIMIT
I:23/79	-] [- 2:667	CNFG ERROR
I:23/91	-]/[- 2:668	T/C ENABLE
I:23/92	-] [- 2:668	OPEN T/C
I:23/93	-] [- 2:668	LO LIMIT
I:23/94	-] [- 2:668	HI LIMIT
I:23/95	-] [- 2:668	CNFG ERROR

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Address Symbol / Comment /
 Instruction File Number:Rung Number

I:24/77 -] [- LO LIMIT
 2:671

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I:24/78 -] [- HI LIMIT
 2:671

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I:24/79 -] [- CNFG ERROR
 2:671

I:24/91 -]/[- T/C ENABLE
 2:672

I:24/92 -] [- OPEN T/C
 2:672

I:24/93 -] [- LO LIMIT
 2:672

I:24/94 -] [- HI LIMIT
 2:672

I:24/95 -] [- CNFG ERROR
 2:672

I:24/107 -]/[- T/C ENABLE
 2:673

I:24/108 -] [- OPEN T/C
 2:673

I:24/109 -] [- LO LIMIT
 2:673

I:24/110 -] [- HI LIMIT
 2:673

I:24/111 -] [- CNFG ERROR
 2:673

N7:0 CONFIGURE
-FLL- 3:1 3:2 3:3 3:4 3:5 3:6 3:7 3:8 3:9 3:10 3:11 3:12 3:13 3:14
 3:15 3:16 3:17 3:18 3:19 3:20 3:21 3:22 3:14
-MOV- 3:0

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
C110A1	AA	T-3002 Zone A1	DEV1:N7:1	1D0	ADD 2:42 2:153 GRT 2:43 2:121 LES 2:121 MOV 2:43
C110A2	AA	T-3002 Zone A2	DEV1:N7:2	1D3	ADD 2:44 2:154 GRT 2:45 2:122 LES 2:122 MOV 2:45
C110A3	AA	T-3002 Zone A3	DEV1:N7:3	1D6	ADD 2:46 2:155 GRT 2:47 2:123 LES 2:123 MOV 2:47
C110A4	AA	T-3002 Zone A4	DEV1:N7:4	1D9	ADD 2:48 2:156 GRT 2:49 2:124 LES 2:124 MOV 2:49
C110B1	AA	T-3002 Zone B1	DEV1:N7:5	1E0	ADD 2:50 2:159 GRT 2:51 2:126 LES 2:126 MOV 2:51
C110B2	AA	T-3002 Zone B2	DEV1:N7:6	1E3	ADD 2:52 2:160 GRT 2:53 2:127 LES 2:127 MOV 2:53
C110B3	AA	T-3002 Zone B3	DEV1:N7:7	1E6	ADD 2:54 2:161 GRT 2:55 2:128 LES 2:128 MOV 2:55
C110B4	AA	T-3002 Zone B4	DEV1:N7:8	1E9	ADD 2:56 2:162 GRT 2:57 2:129 LES 2:129 MOV 2:57
C110C1	AA	T-3002 Zone C1	DEV1:N7:9	1F0	ADD 2:58 2:165 GRT 2:59 2:131 LES 2:131 MOV 2:59
C110C2	AA	T-3002 Zone C2	DEV1:N7:10	1F3	ADD 2:60 2:166 GRT 2:61 2:132 LES 2:132 MOV 2:61
C110C3	AA	T-3002 Zone C3	DEV1:N7:11	1F6	ADD 2:62 2:167 GRT 2:63 2:133 LES 2:133 MOV 2:63
C110C4	AA	T-3002 Zone C4	DEV1:N7:12	1F9	ADD 2:64 2:168 GRT 2:65 2:134 LES 2:134 MOV 2:65
C111A1	AA	T-3003 Zone A1	DEV1:N7:13	1G0	ADD 2:66 2:171

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
					GRT 2:67 2:136
					LES 2:136
					MOV 2:67
C111A2	AA	T-3003 Zone A2	DEV1:N7:14	1G3	ADD 2:68 2:172
					GRT 2:69 2:137
					LES 2:137
					MOV 2:69
C111A3	AA	T-3003 Zone A3	DEV1:N7:15	1G6	ADD 2:70 2:173
					GRT 2:71 2:138
					LES 2:138
					MOV 2:71
C111A4	AA	T-3003 Zone A4	DEV1:N7:16	1G9	ADD 2:72 2:174
					GRT 2:73 2:139
					LES 2:139
					MOV 2:73
C111B1	AA	T-3003 Zone B1	DEV1:N7:17	1H0	ADD 2:74 2:177
					GRT 2:75 2:141
					LES 2:141
					MOV 2:75
C111B2	AA	T-3003 Zone B2	DEV1:N7:18	1H3	ADD 2:76 2:178
					GRT 2:77 2:142
					LES 2:142
					MOV 2:77
C111B3	AA	T-3003 Zone B3	DEV1:N7:19	1H6	ADD 2:78 2:179
					GRT 2:79 2:143
					LES 2:143
					MOV 2:79
C111B4	AA	T-3003 Zone B4	DEV1:N7:20	1H9	ADD 2:80 2:180
					GRT 2:81 2:144
					LES 2:144
					MOV 2:81
C111C1	AA	T-3003 Zone C1	DEV1:N7:21	1I0	ADD 2:82 2:183
					GRT 2:83 2:146
					LES 2:146
					MOV 2:83
C111C2	AA	T-3003 Zone C2	DEV1:N7:22	1I3	ADD 2:84 2:184
					GRT 2:85 2:147
					LES 2:147
					MOV 2:85
C111C3	AA	T-3003 Zone C3	DEV1:N7:23	1I6	ADD 2:86 2:185
					GRT 2:87 2:148
					LES 2:148
					MOV 2:87
C111C4	AA	T-3003 Zone C4	DEV1:N7:24	1I9	ADD 2:88 2:186
					GRT 2:89 2:149
					LES 2:149
					MOV 2:89
C112A1	AA	T-3004 Zone A1	DEV1:N7:25	1J0	ADD 2:240 2:347
					GRT 2:241 2:315

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
					LES 2:315
					MOV 2:241
C112A2	AA	T-3004 Zone A2	DEV1:N7:26	1J3	ADD 2:242 2:348
					GRT 2:243 2:316
					LES 2:316
					MOV 2:243
C112A3	AA	T-3004 Zone A3	DEV1:N7:27	1J6	ADD 2:244 2:349
					GRT 2:245 2:317
					LES 2:317
					MOV 2:245
C112A4	AA	T-3004 Zone A4	DEV1:N7:28	1J9	ADD 2:246 2:350
					GRT 2:247 2:318
					LES 2:318
					MOV 2:247
C112B1	AA	T-3004 Zone B1	DEV1:N7:29	1K0	ADD 2:248 2:353
					GRT 2:249 2:320
					LES 2:320
					MOV 2:249
C112B2	AA	T-3004 Zone B2	DEV1:N7:30	1K3	ADD 2:250 2:354
					GRT 2:251 2:321
					LES 2:321
					MOV 2:251
C112B3	AA	T-3004 Zone B3	DEV1:N7:31	1K6	ADD 2:252 2:355
					GRT 2:253 2:322
					LES 2:322
					MOV 2:253
C112B4	AA	T-3004 Zone B4	DEV1:N7:32	1K9	ADD 2:254 2:356
					GRT 2:255 2:323
					LES 2:323
					MOV 2:255
C112C1	AA	T-3004 Zone C1	DEV1:N7:33	1L0	ADD 2:256 2:359
					GRT 2:257 2:325
					LES 2:325
					MOV 2:257
C112C2	AA	T-3004 Zone C2	DEV1:N7:34	1L3	ADD 2:258 2:360
					GRT 2:259 2:326
					LES 2:326
					MOV 2:259
C112C3	AA	T-3004 Zone C3	DEV1:N7:35	1L6	ADD 2:260 2:361
					GRT 2:261 2:327
					LES 2:327
					MOV 2:261
C112C4	AA	T-3004 Zone C4	DEV1:N7:36	1L9	ADD 2:262 2:362
					GRT 2:263 2:328
					LES 2:328
					MOV 2:263
C113A1	AA	T-3001 Zone A1	DEV1:N7:37	1M0	ADD 2:264 2:365
					GRT 2:265 2:330
					LES 2:330

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
C113A2	AA	T-3001 Zone A2	DEV1:N7:38	1M3	MOV 2:265
					ADD 2:266 2:366
					GRT 2:267 2:331
					LES 2:331
					MOV 2:267
C113A3	AA	T-3001 Zone A3	DEV1:N7:39	1M6	ADD 2:268 2:367
					GRT 2:269 2:332
					LES 2:332
					MOV 2:269
					ADD 2:270 2:368
C113A4	AA	T-3001 Zone A4	DEV1:N7:40	1M9	GRT 2:271 2:333
					LES 2:333
					MOV 2:271
					ADD 2:272 2:371
					GRT 2:273 2:335
C113B1	AA	T-3001 Zone B1	DEV1:N7:41	2A0	LES 2:335
					MOV 2:273
					ADD 2:274 2:372
					GRT 2:275 2:336
					LES 2:336
C113B2	AA	T-3001 Zone B2	DEV1:N7:42	2A3	MOV 2:275
					ADD 2:276 2:373
					GRT 2:277 2:337
					LES 2:337
					MOV 2:277
C113B3	AA	T-3001 Zone B3	DEV1:N7:43	2A6	ADD 2:278 2:374
					GRT 2:279 2:338
					LES 2:338
					MOV 2:279
					ADD 2:280 2:377
C113B4	AA	T-3001 Zone B4	DEV1:N7:44	2A9	GRT 2:281 2:340
					LES 2:340
					MOV 2:281
					ADD 2:282 2:378
					GRT 2:283 2:341
C113C1	AA	T-3001 Zone C1	DEV1:N7:45	2B0	LES 2:341
					MOV 2:283
					ADD 2:284 2:379
					GRT 2:285 2:342
					LES 2:342
C113C2	AA	T-3001 Zone C2	DEV1:N7:46	2B3	MOV 2:285
					ADD 2:286 2:380
					GRT 2:287 2:343
					LES 2:343
					MOV 2:287
C113C3	AA	T-3001 Zone C3	DEV1:N7:47	2B6	ADD 2:434 2:522
					GRT 2:435 2:494
					LES 2:494
					MOV 2:435
C113C4	AA	T-3001 Zone C4	DEV1:N7:48	2B9	
C119A	AA	Zone 119A	DEV1:N7:49	2C0	

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>	
C119B	AA	Zone 119B	DEV1:N7:50	2C3	ADD	2:436 2:523
					GRT	2:437 2:495
					LES	2:495
					MOV	2:437
C119C	AA	Zone 119C	DEV1:N7:51	2C6	ADD	2:438 2:524
					GRT	2:439 2:496
					LES	2:496
					MOV	2:439
C120A	AA	Zone 120A	DEV1:N7:52	2C9	ADD	2:440 2:527
					GRT	2:441 2:498
					LES	2:498
					MOV	2:441
C120B	AA	Zone 120B	DEV1:N7:53	2D0	ADD	2:442 2:528
					GRT	2:443 2:499
					LES	2:499
					MOV	2:443
C120C	AA	Zone 120C	DEV1:N7:54	2D3	ADD	2:444 2:529
					GRT	2:445 2:500
					LES	2:500
					MOV	2:445
C121A	AA	Zone 121A	DEV1:N7:55	2D6	ADD	2:446 2:532
					GRT	2:447 2:502
					LES	2:502
					MOV	2:447
C121B	AA	Zone 121B	DEV1:N7:56	2D9	ADD	2:448 2:533
					GRT	2:449 2:503
					LES	2:503
					MOV	2:449
C121C	AA	Zone 121C	DEV1:N7:57	2E0	ADD	2:450 2:534
					GRT	2:451 2:504
					LES	2:504
					MOV	2:451
C122A	AA	Zone 122A	DEV1:N7:58	2E3	ADD	2:452 2:537
					GRT	2:453 2:506
					LES	2:506
					MOV	2:453
C122B	AA	Zone 122B	DEV1:N7:59	2E6	ADD	2:454 2:538
					GRT	2:455 2:507
					LES	2:507
					MOV	2:455
C122C	AA	Zone 122C	DEV1:N7:60	2E9	ADD	2:456 2:539
					GRT	2:457 2:508
					LES	2:508
					MOV	2:457
C123A	AA	Zone 123A	DEV1:N7:61	2F0	ADD	2:458 2:542
					GRT	2:459 2:510
					LES	2:510
					MOV	2:459
C123B	AA	Zone 123B	DEV1:N7:62	2F3	ADD	2:460 2:543

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
					GRT 2:461 2:511
					LES 2:511
					MOV 2:461
C123C	AA	Zone 123C	DEV1:N7:63	2F6	ADD 2:462 2:544
					GRT 2:463 2:512
					LES 2:512
					MOV 2:463
C124A	AA	Zone 124A	DEV1:N7:64	2F9	ADD 2:464 2:547
					GRT 2:465 2:514
					LES 2:514
					MOV 2:465
C124B	AA	Zone 124B	DEV1:N7:65	2G0	ADD 2:466 2:548
					GRT 2:467 2:515
					LES 2:515
					MOV 2:467
C125A	AA	Zone 125A	DEV1:N7:66	2G3	ADD 2:468 2:551
					GRT 2:469 2:517
					LES 2:517
					MOV 2:469
C125B	AA	Zone 125B	DEV1:N7:67	2G6	ADD 2:470 2:552
					GRT 2:471 2:518
					LES 2:518
					MOV 2:471
C130A	AA	Zone 130A	DEV1:N7:68	2G9	ADD 2:614 2:707
					GRT 2:615 2:677
					LES 2:677
					MOV 2:615
C130B	AA	Zone 130B	DEV1:N7:69	2H0	ADD 2:616 2:708
					GRT 2:617 2:678
					LES 2:678
					MOV 2:617
C130C	AA	Zone 130	DEV1:N7:70	2H3	ADD 2:618 2:709
					GRT 2:619 2:679
					LES 2:679
					MOV 2:619
C131A	AA	Zone 131A	DEV1:N7:71	2H6	ADD 2:620 2:712
					GRT 2:621 2:681
					LES 2:681
					MOV 2:621
C131B	AA	Zone 131B	DEV1:N7:72	2H9	ADD 2:622 2:713
					GRT 2:623 2:682
					LES 2:682
					MOV 2:623
C131C	AA	Zone 131C	DEV1:N7:73	2I0	ADD 2:624 2:714
					GRT 2:625 2:683
					LES 2:683
					MOV 2:625
C132A	AA	Zone 132A	DEV1:N7:74	2I3	ADD 2:626 2:717
					GRT 2:627 2:685

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
					LES 2:685
					MOV 2:627
C132B	AA	Zone 132B	DEV1:N7:75	2I6	ADD 2:628 2:718
					GRT 2:629 2:686
					LES 2:686
					MOV 2:629
C133A	AA	Zone 133A	DEV1:N7:76	2I9	ADD 2:630 2:721
					GRT 2:631 2:688
					LES 2:688
					MOV 2:631
C133B	AA	Zone 133B	DEV1:N7:77	2J0	ADD 2:632 2:722
					GRT 2:633 2:689
					LES 2:689
					MOV 2:633
C134A	AA	Zone 134A	DEV1:N7:78	2J3	ADD 2:634 2:725
					GRT 2:635 2:691
					LES 2:691
					MOV 2:635
C134B	AA	Zone 134B	DEV1:N7:79	2J6	ADD 2:636 2:726
					GRT 2:637 2:692
					LES 2:692
					MOV 2:637
C140A	AA	Zone 140A	DEV1:N7:80	2J9	ADD 2:638 2:729
					GRT 2:639 2:694
					LES 2:694
					MOV 2:639
C140B	AA	Zone 140B	DEV1:N7:81	2K0	ADD 2:640 2:730
					GRT 2:641 2:695
					LES 2:695
					MOV 2:641
C140C	AA	Zone 140C	DEV1:N7:82	2K3	ADD 2:642 2:731
					GRT 2:643 2:696
					LES 2:696
					MOV 2:643
C141A	AA	Zone 141A	DEV1:N7:83	2K6	ADD 2:644 2:734
					GRT 2:645 2:698
					LES 2:698
					MOV 2:645
C141B	AA	Zone 141B	DEV1:N7:84	2K9	ADD 2:646 2:735
					GRT 2:647 2:699
					LES 2:699
					MOV 2:647
C141C	AA	Zone 141C	DEV1:N7:85	2L0	ADD 2:648 2:736
					GRT 2:649 2:700
					LES 2:700
					MOV 2:649
C142A	AA	Zone 142A	DEV1:N7:86	2L3	ADD 2:650 2:739
					GRT 2:651 2:702
					LES 2:702

Tag Name Tag Type Description PLC Device PLC I/O Ladder Logic Rungs

C142B AA Zone 142B DEV1:N7:87 2L6
 MOV 2:651
 ADD 2:652 2:740
 GRT 2:653 2:703
 LES 2:703
 MOV 2:653

Address Symbol / Comment /
 Instruction File Number:Rung Number

N7:88

COUNT
 -ADD- 2:153 2:153 2:154 2:154 2:155 2:155 2:156 2:156 2:159 2:159
 2:160 2:160 2:161 2:161 2:162 2:162 2:165 2:165 2:166 2:166
 2:167 2:167 2:168 2:168 2:171 2:171 2:172 2:172 2:173 2:173
 2:174 2:174 2:177 2:177 2:178 2:178 2:179 2:179 2:180 2:180
 2:183 2:183 2:184 2:184 2:185 2:185 2:186 2:186 2:347 2:347
 2:348 2:348 2:349 2:349 2:350 2:350 2:353 2:353 2:354 2:354
 2:355 2:355 2:356 2:356 2:359 2:359 2:360 2:360 2:361 2:361
 2:362 2:362 2:365 2:365 2:366 2:366 2:367 2:367 2:368 2:368
 2:371 2:371 2:372 2:372 2:373 2:373 2:374 2:374 2:377 2:377
 2:378 2:378 2:379 2:379 2:380 2:380 2:522 2:522 2:523 2:523
 2:524 2:524 2:527 2:527 2:528 2:528 2:529 2:529 2:532 2:532
 2:533 2:533 2:534 2:534 2:537 2:537 2:538 2:538 2:539 2:539
 2:542 2:542 2:543 2:543 2:544 2:544 2:547 2:547 2:548 2:548
 2:551 2:551 2:552 2:552 2:707 2:707 2:708 2:708 2:709 2:709
 2:712 2:712 2:713 2:713 2:714 2:714 2:717 2:717 2:718 2:718
 2:721 2:721 2:722 2:722 2:725 2:725 2:726 2:726 2:729 2:729
 2:730 2:730 2:731 2:731 2:734 2:734 2:735 2:735 2:736 2:736
 2:739 2:739 2:740 2:740
 -CLR- 2:152 2:158 2:164 2:170 2:176 2:182 2:346 2:352 2:358 2:364
 2:370 2:376 2:521 2:526 2:531 2:536 2:541 2:546 2:706 2:711
 2:716 2:720 2:724 2:728 2:733 2:738
 -DIV- 2:157 2:163 2:169 2:175 2:181 2:187 2:351 2:357 2:363 2:369
 2:375 2:381 2:525 2:530 2:535 2:540 2:545 2:549 2:553 2:710
 2:715 2:719 2:723 2:727 2:732 2:737 2:741
 -MOV- 2:550

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
AV110A	AI	Tank 3002A Average	DEV1:N7:91	2M00	ADD 2:120 DIV 2:157 MOV 2:4 2:4 2:190 PID 2:195 SUB 2:120
AV110B	AI	Tank 3002B Average	DEV1:N7:92	2M01	ADD 2:125 DIV 2:163 MOV 2:5 2:5 2:198 PID 2:203 SUB 2:125
AV110C	AI	Tank 3002C Average	DEV1:N7:93	2M02	ADD 2:130 DIV 2:169 MOV 2:6 2:6 2:206 PID 2:211 SUB 2:130
AV111A	AI	Tank 3003A Average	DEV1:N7:94	2M03	ADD 2:135 DIV 2:175 MOV 2:7 2:7 2:214 PID 2:219 SUB 2:135
AV111B	AI	Tank 3003B Average	DEV1:N7:95	2M04	ADD 2:140 DIV 2:181 MOV 2:8 2:8 2:222 PID 2:227 SUB 2:140
AV111C	AI	Tank 3003C Average	DEV1:N7:96	2M05	ADD 2:145 DIV 2:187 MOV 2:9 2:9 2:231 PID 2:236 SUB 2:145
AV112A	AI	Tank 3004A Average	DEV1:N7:97	2M06	ADD 2:314 DIV 2:351 MOV 2:10 2:10 2:384 PID 2:389 SUB 2:314
AV112B	AI	Tank 3004B Average	DEV1:N7:98	2M07	ADD 2:319 DIV 2:357 MOV 2:11 2:11 2:392 PID 2:397 SUB 2:319
AV112C	AI	Tank 3004C Average	DEV1:N7:99	2M08	ADD 2:324 DIV 2:363 MOV 2:12 2:12 2:400 PID 2:405 SUB 2:324
AV113A	AI	Tank 3001A Average	DEV1:N7:100	2M09	ADD 2:329 DIV 2:369 MOV 2:13 2:13 2:408 PID 2:413 SUB 2:329
AV113B	AI	Tank 3001B Average	DEV1:N7:101	2M10	ADD 2:334

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>	
AV113C	AI	Tank 3001C Average	DEV1:N7:102	2M11	DIV	2:375
					MOV	2:14 2:14 2:416
					PID	2:421
					SUB	2:334
					ADD	2:339
AV119	AI	TY-119 Average	DEV1:N7:103	2M12	DIV	2:381
					MOV	2:15 2:15 2:425
					PID	2:430
					SUB	2:339
					ADD	2:493
AV120	AI	TY-120 Average	DEV1:N7:104	2M13	DIV	2:525
					MOV	2:16 2:16 2:556
					PID	2:561
					SUB	2:493
					ADD	2:497
AV121	AI	TY-121 Average	DEV1:N7:105	2M14	DIV	2:530
					MOV	2:17 2:17 2:564
					PID	2:569
					SUB	2:497
					ADD	2:501
AV122	AI	TY-122 Average	DEV1:N7:106	2M15	DIV	2:535
					MOV	2:18 2:18 2:572
					PID	2:577
					SUB	2:501
					ADD	2:505
AV123	AI	TY-123 Average	DEV1:N7:107	2M16	DIV	2:540
					MOV	2:19 2:19 2:580
					PID	2:585
					SUB	2:505
					ADD	2:509
AV124	AI	TY-124 Average	DEV1:N7:108	2M17	DIV	2:545
					MOV	2:20 2:20 2:588
					PID	2:593
					SUB	2:509
					ADD	2:513
AV125	AI	TY-125 Average	DEV1:N7:109	2M18	DIV	2:549
					MOV	2:21 2:21 2:596
					PID	2:601
					SUB	2:513
					ADD	2:516
AV130	AI	TY-130 Average	DEV1:N7:110	2M19	DIV	2:553
					MOV	2:22 2:22 2:605
					PID	2:610
					SUB	2:516
					ADD	2:676
AV131	AI	TY-131 Average	DEV1:N7:111	2M20	DIV	2:710
					MOV	2:23 2:23 2:744
					PID	2:749
					SUB	2:676
					ADD	2:680
					DIV	2:715

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
AV132	AI	TY-132 Average	DEV1:N7:112	2M21	MOV 2:24 2:24 2:752
					PID 2:757
					SUB 2:680
					ADD 2:684
					DIV 2:719
AV133	AI	TY-133 Average	DEV1:N7:113	2M22	MOV 2:25 2:25 2:760
					PID 2:765
					SUB 2:684
					ADD 2:687
					DIV 2:723
AV134	AI	TY-134 Average	DEV1:N7:114	2M23	MOV 2:26 2:26 2:768
					PID 2:773
					SUB 2:687
					ADD 2:690
					DIV 2:727
AV140	AI	Zone 140 Average	DEV1:N7:115	2M24	MOV 2:27 2:27 2:776
					PID 2:781
					SUB 2:690
					ADD 2:693
					DIV 2:732
AV141	AI	Zone 141 Average	DEV1:N7:116	2M25	MOV 2:28 2:28 2:784
					PID 2:789
					SUB 2:693
					ADD 2:697
					DIV 2:737
AV142	AI	Zone 142 Average	DEV1:N7:117	2M26	MOV 2:29 2:29 2:792
					PID 2:797
					SUB 2:697
					ADD 2:701
					DIV 2:741
					MOV 2:30 2:30 2:801
					PID 2:806
					SUB 2:701

Tag Name	Tag Type	Description	PLC Device	PLC I/O	Ladder Logic Rungs
	DO	PID MODE SELECT	DEV1:N7:118		CLR 3:23
A_MRD110A		ZONE 110A AUTO/MAN.	DEV1:N7:118/0	2M00	-]I[- 2:193
ONRD110A	DO	PID SELECT ON/OFF	DEV1:N7:118/1		-]I[- 2:820
					-(U)- 2:810
A_MRD110B	DO	ZONE 110B AUTO/MAN.	DEV1:N7:118/2	2M01	-]I[- 2:201
ONRD110B	DO	PID SELECT ON/OFF	DEV1:N7:118/3		-]I[- 2:820
					-(U)- 2:810
A_MRD110C	DO	ZONE 110C AUTO/MAN.	DEV1:N7:118:4	2M02	-]I[- 2:209
ONRD110C	DO	PID SELECT ON/OFF	DEV1:N7:118:5		-]I[- 2:820
					-(U)- 2:810
A_MRD111A	DO	ZONE 111A AUTO/MAN.	DEV1:N7:118:6	2M03	-]I[- 2:217
ONRD111A	DO	PID SELECT ON/OFF	DEV1:N7:118:7		-]I[- 2:822
					-(U)- 2:811
A_MRD111B	DO	ZONE 111B AUTO/MAN.	DEV1:N7:118:8	2M04	-]I[- 2:225
ONRD111B	DO	PID SELECT ON/OFF	DEV1:N7:118:9		-]I[- 2:822
					-(U)- 2:811
A_MRD111C	DO	ZONE 111C AUTO/MAN.	DEV1:N7:118:10	2M05	-]I[- 2:234
ONRD111C	DO	PID SELECT ON/OFF	DEV1:N7:118:11		-]I[- 2:822
					-(U)- 2:811
A_MRD112A	DO	ZONE 112A AUTO/MAN.	DEV1:N7:118:12	2M06	-]I[- 2:387
ONRD112A	DO	PID SELECT ON/OFF	DEV1:N7:118:13		-]I[- 2:824
					-(U)- 2:812
A_MRD112B	DO	ZONE 112B AUTO/MAN.	DEV1:N7:118:14	2M07	-]I[- 2:395
ONRD112B	DO	PID SELECT ON/OFF	DEV1:N7:118:15		-]I[- 2:824
					-(U)- 2:812
		PID MODE SELECT	DEV1:N7:119		CLR 3:24
A_MRD112C	DO	ZONE 112C AUTO/MAN.	DEV1:N7:119:0	2M08	-]I[- 2:403
ONRD112C	DO	PID SELECT ON/OFF	DEV1:N7:119:1		-]I[- 2:824
					-(U)- 2:812
A_MRD113A	DO	ZONE 113A AUTO/MAN.	DEV1:N7:119:2	2M09	-]I[- 2:411
ONRD113A	DO	PID SELECT ON/OFF	DEV1:N7:119:3		-]I[- 2:826
					-(U)- 2:813
A_MRD113B	DO	ZONE 113B AUTO/MAN.	DEV1:N7:119:4	2M10	-]I[- 2:419
ONRD113B	DO	PID SELECT ON/OFF	DEV1:N7:119:5		-]I[- 2:826
					-(U)- 2:813
A_MRD113C	DO	ZONE 113C AUTO/MAN.	DEV1:N7:119:6	2M11	-]I[- 2:428
ONRD113C	DO	PID SELECT ON/OFF	DEV1:N7:119:7		-]I[- 2:826
					-(U)- 2:813
A_MRD119	DO	TY-119 AUTO/MAN.	DEV1:N7:119:8	2M12	-]I[- 2:559
ONRD119	DO	PID SELECT ON/OFF	DEV1:N7:119:9		-]I[- 2:558
A_MRD120	DO	TY-120 AUTO/MAN.	DEV1:N7:119:10	2M13	-]I[- 2:567
ONRD120	DO	PID SELECT ON/OFF	DEV1:N7:119:11		-]I[- 2:566
A_MRD121	DO	TY-121 AUTO/MAN.	DEV1:N7:119:12	2M14	-]I[- 2:575
ONRD121	DO	PID SELECT ON/OFF	DEV1:N7:119:13		-]I[- 2:574
A_MRD122	DO	TY-122 AUTO/MAN.	DEV1:N7:119:14	2M15	-]I[- 2:583
ONRD122	DO	PID SELECT ON/OFF	DEV1:N7:119:15		-]I[- 2:582
		PID MODE SELECT	DEV1:N7:120		CLR 3:25
A_MRD123	DO	TY-123 AUTO/MAN.	DEV1:N7:120:0	2M16	-]I[- 2:591
ONRD123	DO	PID SELECT ON/OFF	DEV1:N7:120:1		-]I[- 2:590
A_MRD124	DO	TY-124 AUTO/MAN.	DEV1:N7:120:2	2M17	-]I[- 2:599
ONRD124	DO	PID SELECT ON/OFF	DEV1:N7:120:3		-]I[- 2:598
A_MRD125	DO	TY-125 AUTO/MAN.	DEV1:N7:120:4	2M18	-]I[- 2:608

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
ONRD125	DO	PID SELECT ON/OFF	DEV1:N7:120:5		- / - 2:607
A_MRD130	DO	TY-130 AUTO/MAN.	DEV1:N7:120:6	2M19	- / - 2:747
ONRD130	DO	PID SELECT ON/OFF	DEV1:N7:120:7		- / - 2:746
A_MRD131	DO	TY-131 AUTO/MAN.	DEV1:N7:120:8	2M20	- / - 2:755
ONRD131	DO	PID SELECT ON/OFF	DEV1:N7:120:9		- / - 2:754
A_MRD132	DO	TY-132 AUTO/MAN.	DEV1:N7:120:10	2M21	- / - 2:763
ONRD132	DO	PID SELECT ON/OFF	DEV1:N7:120:11		- / - 2:762
A_MRD133	DO	TY-133 AUTO/MAN.	DEV1:N7:120:12	2M22	- / - 2:771
ONRD133	DO	PID SELECT ON/OFF	DEV1:N7:120:13		- / - 2:770
A_MRD134	DO	TY-134 AUTO/MAN.	DEV1:N7:120:14	2M23	- / - 2:779
ONRD134	DO	PID SELECT ON/OFF	DEV1:N7:120:15		- / - 2:778
		PID MODE SELECT	DEV1:N7:121		CLR 3:26
A_MRD140	DO	TY-140 AUTO/MAN.	DEV1:N7:121:0	2M24	- / - 2:787
ONRD140	DO	PID SELECT ON/OFF	DEV1:N7:121:1		- / - 2:786
A_MRD141	DO	TY-141 AUTO/MAN.	DEV1:N7:121:2	2M25	- / - 2:795
ONRD141	DO	PID SELECT ON/OFF	DEV1:N7:121:3		- / - 2:794
A_MRD142	DO	TY-142 AUTO/MAN.	DEV1:N7:121:4	2M26	- / - 2:804
ONRD142	DO	PID SELECT ON/OFF	DEV1:N7:121:5		- / - 2:803

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
SET110A	AO	TY-110A SET POINT ADJ.	DEV1:N7:122	2M00	MOV 2:194
SET110B	AO	TY-110B SET POINT ADJ.	DEV1:N7:123	2M01	MOV 2:202
SET110C	AO	TY-110C SET POINT ADJ.	DEV1:N7:124	2M02	MOV 2:210
SET111A	AO	TY-111A SET POINT ADJ.	DEV1:N7:125	2M03	MOV 2:218
SET111B	AO	TY-111B SET POINT ADJ.	DEV1:N7:126	2M04	MOV 2:226
SET111C	AO	TY-111C SET POINT ADJ.	DEV1:N7:127	2M05	MOV 2:235
SET112A	AO	TY-112A SET POINT ADJ.	DEV1:N7:128	2M06	MOV 2:388
SET112B	AO	TY-112B SET POINT ADJ.	DEV1:N7:129	2M07	MOV 2:396
SET112C	AO	TY-112C SET POINT ADJ.	DEV1:N7:130	2M08	MOV 2:404
SET113A	AO	TY-113A SET POINT ADJ.	DEV1:N7:131	2M09	MOV 2:412
SET113B	AO	TY-113B SET POINT ADJ.	DEV1:N7:132	2M10	MOV 2:420
SET113C	AO	TY-113C SET POINT ADJ.	DEV1:N7:133	2M11	MOV 2:429
SET119	AO	TY-119 SET POINT ADJ.	DEV1:N7:134	2M12	MOV 2:560
SET120	AO	TY-120 SET POINT ADJ.	DEV1:N7:135	2M13	MOV 2:568
SET121	AO	TY-121 SET POINT ADJ.	DEV1:N7:136	2M14	MOV 2:576
SET122	AO	TY-122 SET POINT ADJ.	DEV1:N7:137	2M15	MOV 2:584
SET123	AO	TY-123 SET POINT ADJ.	DEV1:N7:138	2M16	MOV 2:592
SET124	AO	TY-124 SET POINT ADJ.	DEV1:N7:139	2M17	MOV 2:600
SET125	AO	TY-125 SET POINT ADJ.	DEV1:N7:140	2M18	MOV 2:609
SET130	AO	TY-130 SET POINT ADJ.	DEV1:N7:141	2M19	MOV 2:748
SET131	AO	TY-131 SET POINT ADJ.	DEV1:N7:142	2M20	MOV 2:756
SET132	AO	TY-132 SET POINT ADJ.	DEV1:N7:143	2M21	MOV 2:764
SET133	AO	TY-133 SET POINT ADJ.	DEV1:N7:144	2M22	MOV 2:772
SET134	AO	TY-134 SET POINT ADJ.	DEV1:N7:145	2M23	MOV 2:780
SET140	AO	TY-140 SET POINT ADJ.	DEV1:N7:146	2M24	MOV 2:788
SET141	AO	TY-141 SET POINT ADJ.	DEV1:N7:147	2M25	MOV 2:796
SET142	AO	TY-142 SET POINT ADJ.	DEV1:N7:181	2M26	MOV 2:805

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
D110A1	DA	TE-110A1 Value Out of Range (OOR)	DEV1:N7:148/0	1D0	- /- 2:153 -() 2:121
D110A2	DA	TE-110A2 Val. OOR	DEV1:N7:148/1	1D3	- /- 2:154 -() 2:122
D110A3	DA	TE-110A3 Val. OOR	DEV1:N7:148/2	1D6	- /- 2:155 -() 2:123
D110A4	DA	TE-110A4 Val. OOR	DEV1:N7:148/3	1D9	- /- 2:156 -() 2:124
D110B1	DA	TE-110B1 Val. OOR	DEV1:N7:148/4	1E0	- /- 2:159 -() 2:126
D110B2	DA	TE-110B2 Val. OOR	DEV1:N7:148/5	1E3	- /- 2:160 -() 2:127
D110B3	DA	TE-110B3 Val. OOR	DEV1:N7:148/6	1E6	- /- 2:161 -() 2:128
D110B4	DA	TE-110B4 Val. OOR	DEV1:N7:148/7	1E9	- /- 2:162 -() 2:129
D110C1	DA	TE-110C1 Val. OOR	DEV1:N7:148/8	1F0	- /- 2:165 -() 2:131
D110C2	DA	TE-110C2 Val. OOR	DEV1:N7:148/9	1F3	- /- 2:166 -() 2:132
D110C3	DA	TE-110C3 Val. OOR	DEV1:N7:148/10	1F6	- /- 2:167 -() 2:133
D110C4	DA	TE-110C4 Val. OOR	DEV1:N7:148/11	1F9	- /- 2:168 -() 2:134
D111A1	DA	TE-111A1 Val. OOR	DEV1:N7:148/12	1G0	- /- 2:171 -() 2:136
D111A2	DA	TE-111A2 Val. OOR	DEV1:N7:148/13	1G3	- /- 2:172 -() 2:137
D111A3	DA	TE-111A3 Val. OOR	DEV1:N7:148/14	1G6	- /- 2:173 -() 2:138
D111A4	DA	TE-111A4 Val. OOR	DEV1:N7:148/15	1G9	- /- 2:174 -() 2:139
D111B1	DA	TE-111B1 Val. OOR	DEV1:N7:149/0	1H0	- /- 2:177 -() 2:141
D111B2	DA	TE-111B2 Val. OOR	DEV1:N7:149/1	1H3	- /- 2:178 -() 2:142
D111B3	DA	TE-111B3 Val. OOR	DEV1:N7:149/2	1H6	- /- 2:179 -() 2:143
D111B4	DA	TE-111B4 Val. OOR	DEV1:N7:149/3	1H9	- /- 2:180 -() 2:144
D111C1	DA	TE-111C1 Val. OOR	DEV1:N7:149/4	1I0	- /- 2:183 -() 2:146
D111C2	DA	TE-111C2 Val. OOR	DEV1:N7:149/5	1I3	- /- 2:184 -() 2:147
D111C3	DA	TE-111C3 Val. OOR	DEV1:N7:149/6	1I6	- /- 2:185 -() 2:148
D111C4	DA	TE-111C4 Val. OOR	DEV1:N7:149/7	1I9	- /- 2:186 -() 2:149
D112A1	DA	TE-112A1 Val. OOR	DEV1:N7:149/8	1J0	- /- 2:347 -() 2:315
D112A2	DA	TE-112A2 Val. OOR	DEV1:N7:149/9	1J3	- /- 2:348

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
D112A3	DA	TE-112A3 Val. OOR	DEV1:N7:149/10	1J6	-(-)- 2:316 - / - 2:349 -(-)- 2:317
D112A4	DA	TE-112A4 Val. OOR	DEV1:N7:149/11	1J9	- / - 2:350 -(-)- 2:318
D112B1	DA	TE-112B1 Val. OOR	DEV1:N7:149/12	1K0	- / - 2:353 -(-)- 2:320
D112B2	DA	TE-112B2 Val. OOR	DEV1:N7:149/13	1K3	- / - 2:354 -(-)- 2:321
D112B3	DA	TE-112B3 Val. OOR	DEV1:N7:149/14	1K6	- / - 2:355 -(-)- 2:322
D112B4	DA	TE-112B4 Val. OOR	DEV1:N7:149/15	1K9	- / - 2:356 -(-)- 2:323
D112C1	DA	TE-112C1 Val. OOR	DEV1:N7:150/0	1L0	- / - 2:359 -(-)- 2:325
D112C2	DA	TE-112C2 Val. OOR	DEV1:N7:150/1	1L3	- / - 2:360 -(-)- 2:326
D112C3	DA	TE-112C3 Val. OOR	DEV1:N7:150/2	1L6	- / - 2:361 -(-)- 2:327
D112C4	DA	TE-112C4 Val. OOR	DEV1:N7:150/3	1L9	- / - 2:362 -(-)- 2:328
D113A1	DA	TE-113A1 Val. OOR	DEV1:N7:150/4	1M0	- / - 2:365 -(-)- 2:330
D113A2	DA	TE-113A2 Val. OOR	DEV1:N7:150/5	1M3	- / - 2:366 -(-)- 2:331
D113A3	DA	TE-113A3 Val. OOR	DEV1:N7:150/6	1M6	- / - 2:367 -(-)- 2:332
D113A4	DA	TE-113A4 Val. OOR	DEV1:N7:150/7	1M9	- / - 2:368 -(-)- 2:333
D113B1	DA	TE-113B1 Val. OOR	DEV1:N7:150/8	2A0	- / - 2:371 -(-)- 2:335
D113B2	DA	TE-113B2 Val. OOR	DEV1:N7:150/9	2A3	- / - 2:372 -(-)- 2:336
D113B3	DA	TE-113B3 Val. OOR	DEV1:N7:150/10	2A6	- / - 2:373 -(-)- 2:337
D113B4	DA	TE-113B4 Val. OOR	DEV1:N7:150/11	2A9	- / - 2:374 -(-)- 2:338
D113C1	DA	TE-113C1 Val. OOR	DEV1:N7:150/12	2B0	- / - 2:377 -(-)- 2:340
D113C2	DA	TE-113C2 Val. OOR	DEV1:N7:150/13	2B3	- / - 2:378 -(-)- 2:341
D113C3	DA	TE-113C3 Val. OOR	DEV1:N7:150/14	2B6	- / - 2:379 -(-)- 2:342
D113C4	DA	TE-113C4 Val. OOR	DEV1:N7:150/15	2B9	- / - 2:380 -(-)- 2:343
D119A	DA	TE-119A Val. OOR	DEV1:N7:151/0	2C0	- / - 2:522 -(-)- 2:494
D119B	DA	TE-119B Val. OOR	DEV1:N7:151/1	2C3	- / - 2:523 -(-)- 2:495
D119C	DA	TE-119C Val. OOR	DEV1:N7:151/2	2C6	- / - 2:524 -(-)- 2:496

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
D120A	DA	TE-120A Val. OOR	DEV1:N7:151/3	2C9	- / - 2:527 -()- 2:498
D120B	DA	TE-120B Val. OOR	DEV1:N7:151/4	2D0	- / - 2:528 -()- 2:499
D120C	DA	TE-120C Val. OOR	DEV1:N7:151/5	2D3	- / - 2:529 -()- 2:500
D121A	DA	TE-121A Val. OOR	DEV1:N7:151/6	2D6	- / - 2:532 -()- 2:502
D121B	DA	TE-121B Val. OOR	DEV1:N7:151/7	2D9	- / - 2:533 -()- 2:503
D121C	DA	TE-121C Val. OOR	DEV1:N7:151/8	2E0	- / - 2:534 -()- 2:504
D122A	DA	T/C Value Out of Ran	DEV1:N7:151/9	2E3	- / - 2:537 -()- 2:506
D122B	DA	T/C Value Out of Ran	DEV1:N7:151/10	2E6	- / - 2:538 -()- 2:507
D122C	DA	T/C Value Out of Ran	DEV1:N7:151/11	2E9	- / - 2:539 -()- 2:508
D123A	DA	T/C Value Out of Ran	DEV1:N7:151/12	2F0	- / - 2:542 -()- 2:510
D123B	DA	T/C Value Out of Ran	DEV1:N7:151/13	2F3	- / - 2:543 -()- 2:511
D123C	DA	T/C Value Out of Ran	DEV1:N7:151/14	2F6	- / - 2:544 -()- 2:512
D124A	DA	T/C Value Out of Ran	DEV1:N7:151/15	2F9	- / - 2:547 -()- 2:514
D124B	DA	T/C Value Out of Ran	DEV1:N7:152/0	2G0	- / - 2:548 -()- 2:515
D125A	DA	T/C Value Out of Ran	DEV1:N7:152/1	2G3	- / - 2:551 -()- 2:517
D125B	DA	T/C Value Out of Ran	DEV1:N7:152/2	2G6	- / - 2:552 -()- 2:518
D130A	DA	T/C Value Out of Ran	DEV1:N7:152/3	2G9	- / - 2:707 -()- 2:677
D130B	DA	T/C Value Out of Ran	DEV1:N7:152/4	2H0	- / - 2:708 -()- 2:678
D130C	DA	T/C Value Out of Ran	DEV1:N7:152/5	2H3	- / - 2:709 -()- 2:679
D131A	DA	T/C Value Out of Ran	DEV1:N7:152/6	2H6	- / - 2:712 -()- 2:681
D131B	DA	T/C Value Out of Ran	DEV1:N7:152/7	2H9	- / - 2:713 -()- 2:682
D131C	DA	T/C Value Out of Ran	DEV1:N7:152/8	2I0	- / - 2:714 -()- 2:683
D132A	DA	T/C Value Out of Ran	DEV1:N7:152/9	2I3	- / - 2:717 -()- 2:685
D132B	DA	T/C Value Out of Ran	DEV1:N7:152/10	2I6	- / - 2:718 -()- 2:686
D133A	DA	T/C Value Out of Ran	DEV1:N7:152/11	2I9	- / - 2:721 -()- 2:688
D133B	DA	T/C Value Out of Ran	DEV1:N7:152/12	2J0	- / - 2:722

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
D134A	DA	T/C Value Out of Ran	DEV1:N7:152/13	2J3	-()- - /- 2:689 2:725
D134B	DA	T/C Value Out of Ran	DEV1:N7:152/14	2J6	-()- - /- 2:691 2:726
D140A	DA	T/C Value Out of Ran	DEV1:N7:152/15	2J9	-()- - /- 2:692 2:729
D140B	DA	T/C Value Out of Ran	DEV1:N7:153/0	2K0	-()- - /- 2:694 2:730
D140C	DA	T/C Value Out of Ran	DEV1:N7:153/1	2K3	-()- - /- 2:695 2:731
D141A	DA	T/C Value Out of Ran	DEV1:N7:153/2	2K6	-()- - /- 2:696 2:734
D141B	DA	T/C Value Out of Ran	DEV1:N7:153/3	2K9	-()- - /- 2:698 2:735
D141C	DA	T/C Value Out of Ran	DEV1:N7:153/4	2L0	-()- - /- 2:699 2:736
D142A	DA	T/C Value Out of Ran	DEV1:N7:153/5	2L3	-()- - /- 2:700 2:739
D142B	DA	T/C Value Out of Ran	DEV1:N7:153/6	2L6	-()- - /- 2:702 2:740
PSH1	DA	pressure switch alm	DEV1:N7:246/0	1C0	-()- - /- 2:703 2:114
PSH2	DA	pressure switch alm	DEV1:N7:246/1	1C1	-()- - /- 2:115
PSH3	DA	pressure switch alm	DEV1:N7:246/2	1C2	-()- - /- 2:116
PSH4	DA	pressure switch alm	DEV1:N7:246/4	1C3	-()- - /- 2:117

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>	
CV110A	AO	TY-110A PID_CV	DEV1:N7:154	2M00	PID	2:195
CVRD110A	AI	CV READBACK	DEV1:N7:154	2M00	SCL	2:195
CV110B	AO	TY-110B PID_CV	DEV1:N7:155	2M01	PID	2:203
CVRD110B	AI	CV READBACK	DEV1:N7:155	2M01	SCL	2:203
CV110C	AO	TY-110C PID_CV	DEV1:N7:156	2M02	PID	2:211
CVRD110C	AI	CV READBACK	DEV1:N7:156	2M02	SCL	2:211
CV111A	AO	TY-111A PID_CV	DEV1:N7:157	2M03	PID	2:219
CVRD111A	AI	CV READBACK	DEV1:N7:157	2M03	SCL	2:219
CV111B	AO	TY-111B PID_CV	DEV1:N7:158	2M04	PID	2:227
CVRD111B	AI	CV READBACK	DEV1:N7:158	2M04	SCL	2:227
CV111C	AO	TY-111C PID_CV	DEV1:N7:159	2M05	PID	2:236
CVRD111C	AI	CV READBACK	DEV1:N7:159	2M05	SCL	2:236
CV112A	AO	TY-112A PID_CV	DEV1:N7:160	2M06	PID	2:389
CVRD112A	AI	CV READBACK	DEV1:N7:160	2M06	SCL	2:389
CV112B	AO	TY-112B PID_CV	DEV1:N7:161	2M07	PID	2:397
CVRD112B	AI	CV READBACK	DEV1:N7:161	2M07	SCL	2:397
CV112C	AO	TY-112C PID_CV	DEV1:N7:162	2M08	PID	2:405
CVRD112C	AI	CV READBACK	DEV1:N7:162	2M08	SCL	2:405
CV113A	AO	TY-113A PID_CV	DEV1:N7:163	2M09	PID	2:413
CVRD113A	AI	CV READBACK	DEV1:N7:163	2M09	SCL	2:413
CV113B	AO	TY-113B PID_CV	DEV1:N7:164	2M10	PID	2:421
CVRD113B	AI	CV READBACK	DEV1:N7:164	2M10	SCL	2:421
CV113C	AO	TY-113C PID_CV	DEV1:N7:165	2M11	PID	2:430
CVRD113C	AI	CV READBACK	DEV1:N7:165	2M11	SCL	2:430
CV119	AO	TY-119 PID_CV	DEV1:N7:166	2M12	PID	2:561
CVRD119	AI	CV READBACK	DEV1:N7:166	2M12	SCL	2:561
CV120	AO	TY-120 PID_CV	DEV1:N7:167	2M13	PID	2:569
CVRD120	AI	CV READBACK	DEV1:N7:167	2M13	SCL	2:569
CV121	AO	TY-121 PID_CV	DEV1:N7:168	2M14	PID	2:577
CVRD121	AI	CV READBACK	DEV1:N7:168	2M14	SCL	2:577
CV122	AO	TY-122 PID_CV	DEV1:N7:169	2M15	PID	2:585
CVRD122	AI	CV READBACK	DEV1:N7:169	2M15	SCL	2:585
CV123	AO	TY-123 PID_CV	DEV1:N7:170	2M16	PID	2:593
CVRD123	AI	CV READBACK	DEV1:N7:170	2M16	SCL	2:593
CV124	AO	TY-124 PID_CV	DEV1:N7:171	2M17	PID	2:601
CVRD124	AI	CV READBACK	DEV1:N7:171	2M17	SCL	2:601
CV125	AO	TY-125 PID_CV	DEV1:N7:172	2M18	PID	2:610
CVRD125	AI	CV READBACK	DEV1:N7:172	2M18	SCL	2:610
CV130	AO	TY-130 PID_CV	DEV1:N7:173	2M19	PID	2:749
CVRD130	AI	CV READBACK	DEV1:N7:173	2M19	SCL	2:749
CV131	AO	TY-131 PID_CV	DEV1:N7:174	2M20	PID	2:757
CVRD131	AI	CV READBACK	DEV1:N7:174	2M20	SCL	2:757
CV132	AO	TY-132 PID_CV	DEV1:N7:175	2M21	PID	2:765
CVRD132	AI	CV READBACK	DEV1:N7:175	2M21	SCL	2:765
CV133	AO	TY-133 PID_CV	DEV1:N7:176	2M22	PID	2:773
CVRD133	AI	CV READBACK	DEV1:N7:176	2M22	SCL	2:773
CV134	AO	TY-134 PID_CV	DEV1:N7:177	2M23	PID	2:781
CVRD134	AI	CV READBACK	DEV1:N7:177	2M23	SCL	2:781
CV140	AO	TY-140 PID_CV	DEV1:N7:178	2M24	PID	2:789
CVRD140	AI	CV READBACK	DEV1:N7:178	2M24	SCL	2:789
CV141	AO	TY-141 PID_CV	DEV1:N7:179	2M25	PID	2:797

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
CVRD141	AI	CV READBACK	DEV1:N7:179	2M25	SCL 2:797
CV142	AO	TY-142 PID_CV	DEV1:N7:180	2M26	PID 2:806
CVRD142	AI	CV READBACK	DEV1:N7:180	2M26	SCL 2:806

<u>Address</u>	<u>Symbol / Instruction</u>	<u>Comment / File Number:Rung Number</u>
N7:182	PW110A -CLR- 2:192 -LES- 2:830 -SCL- 2:195	
N7:183	PW110B -CLR- 2:200 -LES- 2:833 -SCL- 2:203	
N7:184	PW110C -CLR- 2:208 -LES- 2:836 -SCL- 2:211	
N7:185	PW111A -CLR- 2:216 -LES- 2:839 -SCL- 2:219	

Address	Symbol / Instruction	Comment / File Number:Rung Number
N7:186	PW111B -CLR- 2:224 -LES- 2:842 -SCL- 2:227	
N7:187	PW111C -CLR- 2:233 -LES- 2:845 -SCL- 2:236	
N7:188	PW112A -CLR- 2:386 -LES- 2:848 -SCL- 2:389	
N7:189	PW112B -CLR- 2:394 -LES- 2:851 -SCL- 2:397	
N7:190	PW112C -CLR- 2:402 -LES- 2:854 -SCL- 2:405	
N7:191	PW113A -CLR- 2:410 -LES- 2:857 -SCL- 2:413	
N7:192	PW113B -CLR- 2:418 -LES- 2:860 -SCL- 2:421	
N7:193	PW113C -CLR- 2:427 -LES- 2:863 -SCL- 2:430	
N7:194	PW119 -CLR- 2:558 -LES- 2:866 -SCL- 2:561	
N7:195	PW120 -CLR- 2:566 -LES- 2:869 -SCL- 2:569	
N7:196	PW121 -CLR- 2:574 -LES- 2:872 -SCL- 2:577	

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Address	Symbol / Instruction	Comment / File Number:Rung Number
N7:197	PW122 -CLR- -LES- -SCL-	2:582 2:875 2:585
N7:198	PW123 -CLR- -LES- -SCL-	2:590 2:878 2:593
N7:199	PW124 -CLR- -LES- -SCL-	2:598 2:881 2:601
N7:200	PW125 -CLR- -LES- -SCL-	2:607 2:884 2:610
N7:201	PW130 -CLR- -LES- -SCL-	2:746 2:887 2:749
N7:202	PW131 -CLR- -LES- -SCL-	2:754 2:890 2:757
N7:203	PW132 -CLR- -LES- -SCL-	2:762 2:893 2:765
N7:204	PW133 -CLR- -LES- -SCL-	2:770 2:896 2:773
N7:205	PW134 -CLR- -LES- -SCL-	2:778 2:899 2:781
N7:206	PW140 -CLR- -LES- -SCL-	2:786 2:902 2:789
N7:207	PW141 -CLR- -LES- -SCL-	2:794 2:905 2:797

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Address	Symbol / Instruction	Comment / File Number:Rung Number
N7:208	PW142 -CLR- 2:803 -LES- 2:908 -SCL- 2:806	
N7:239/3	ON_110A -] [- 2:821 2:828 2:830 -]/[- 2:192 -()- 2:820	
N7:239/4	ON_110B -] [- 2:821 2:831 -]/[- 2:200 -()- 2:820	
N7:239/5	ON_110C -] [- 2:821 2:833 2:834 2:836 -]/[- 2:208 -()- 2:820	
N7:239/6	ON_111A -] [- 2:823 2:837 2:839 -]/[- 2:216 -()- 2:822	
N7:239/7	ON_111B -] [- 2:823 2:840 2:842 -]/[- 2:224 -()- 2:822	
N7:239/8	ON_111C -] [- 2:823 2:843 2:845 -]/[- 2:233 -()- 2:822	
N7:239/9	ON_112A -] [- 2:825 2:846 2:848 -]/[- 2:386 -()- 2:824	
N7:239/10	ON_112B -] [- 2:825 2:849 2:851 -]/[- 2:394 -()- 2:824	
N7:239/11	ON_112C -] [- 2:825 2:852 2:854 -]/[- 2:402 -()- 2:824	
N7:239/12	ON_113A -] [- 2:827 2:855 2:857 -]/[- 2:410 -()- 2:826	
N7:239/13	ON_113B -] [- 2:827 2:858 2:860 -]/[- 2:418 -()- 2:826	
N7:239/14	ON_113C -] [- 2:827 2:861 2:863 -]/[- 2:427 -()- 2:826	

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<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
HA110A1	DA	T/C Hardware Alarms	DEV1:N7:240/0	1D0	- /[- 2:121 2:153 -(-) 2:90
HA110A2	DA	T/C Hardware Alarms	DEV1:N7:240/1	1D3	- /[- 2:122 2:154 -(-) 2:91
HA110A3	DA	T/C Hardware Alarms	DEV1:N7:240/2	1D6	- /[- 2:123 2:155 -(-) 2:92
HA110A4	DA	T/C Hardware Alarms	DEV1:N7:240/3	1D9	- /[- 2:124 2:156 -(-) 2:93
HA110B1	DA	T/C Hardware Alarms	DEV1:N7:240/4	1E0	- /[- 2:126 2:159 -(-) 2:94
HA110B2	DA	T/C Hardware Alarms	DEV1:N7:240/5	1E3	- /[- 2:127 2:160 -(-) 2:95
HA110B3	DA	T/C Hardware Alarms	DEV1:N7:240/6	1E6	- /[- 2:128 2:161 -(-) 2:96
HA110B4	DA	T/C Hardware Alarms	DEV1:N7:240/7	1E9	- /[- 2:129 2:162 -(-) 2:97
HA110C1	DA	T/C Hardware Alarms	DEV1:N7:240/8	1F0	- /[- 2:131 2:165 -(-) 2:98
HA110C2	DA	T/C Hardware Alarms	DEV1:N7:240/9	1F3	- /[- 2:132 2:166 -(-) 2:99
HA110C3	DA	T/C Hardware Alarms	DEV1:N7:240/10	1F6	- /[- 2:133 2:167 -(-) 2:100
HA110C4	DA	T/C Hardware Alarms	DEV1:N7:240/11	1F9	- /[- 2:134 2:168 -(-) 2:101
HA111A1	DA	T/C Hardware Alarms	DEV1:N7:240/12	1G0	- /[- 2:136 2:171 -(-) 2:102
HA111A2	DA	T/C Hardware Alarms	DEV1:N7:240/13	1G3	- /[- 2:137 2:172 -(-) 2:103
HA111A3	DA	T/C Hardware Alarms	DEV1:N7:240/14	1G6	- /[- 2:138 2:173 -(-) 2:104
HA111A4	DA	T/C Hardware Alarms	DEV1:N7:240/15	1G9	- /[- 2:139 2:174 -(-) 2:105
HA111B1	DA	T/C Hardware Alarms	DEV1:N7:241/0	1H0	- /[- 2:141 2:177 -(-) 2:106
HA111B2	DA	T/C Hardware Alarms	DEV1:N7:241/1	1H3	- /[- 2:142 2:178 -(-) 2:107
HA111B3	DA	T/C Hardware Alarms	DEV1:N7:241/2	1H6	- /[- 2:143 2:179 -(-) 2:108
HA111B4	DA	T/C Hardware Alarms	DEV1:N7:241/3	1H9	- /[- 2:144 2:180 -(-) 2:109
HA111C1	DA	T/C Hardware Alarms	DEV1:N7:241/4	1I0	- /[- 2:146 2:183 -(-) 2:110
HA111C2	DA	T/C Hardware Alarms	DEV1:N7:241/5	1I3	- /[- 2:147 2:184 -(-) 2:111
HA111C3	DA	T/C Hardware Alarms	DEV1:N7:241/6	1I6	- /[- 2:148 2:185 -(-) 2:112
HA111C4	DA	T/C Hardware Alarms	DEV1:N7:241/7	1I9	- /[- 2:149 2:186 -(-) 2:113
HA112A1	DA	T/C Hardware Alarms	DEV1:N7:241/8	1J0	- /[- 2:315 2:347 -(-) 2:228
HA112A2	DA	T/C Hardware Alarms	DEV1:N7:241/9	1J3	- /[- 2:316 2:348

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
HA112A3	DA	T/C Hardware Alarms	DEV1:N7:241/10	1J6	-()- - /- 2:289 2:317 2:349 2:290
HA112A4	DA	T/C Hardware Alarms	DEV1:N7:241/11	1J9	-()- - /- 2:318 2:350 2:291
HA112B1	DA	T/C Hardware Alarms	DEV1:N7:241/12	1K0	-()- - /- 2:320 2:353 2:292
HA112B2	DA	T/C Hardware Alarms	DEV1:N7:241/13	1K3	-()- - /- 2:321 2:354 2:293
HA112B3	DA	T/C Hardware Alarms	DEV1:N7:241/14	1K6	-()- - /- 2:322 2:355 2:294
HA112B4	DA	T/C Hardware Alarms	DEV1:N7:241/15	1K9	-()- - /- 2:323 2:356 2:295
HA112C1	DA	T/C Hardware Alarms	DEV1:N7:242/0	1L0	-()- - /- 2:325 2:359 2:296
HA112C2	DA	T/C Hardware Alarms	DEV1:N7:242/1	1L3	-()- - /- 2:326 2:360 2:297
HA112C3	DA	T/C Hardware Alarms	DEV1:N7:242/2	1L6	-()- - /- 2:327 2:361 2:298
HA112C4	DA	T/C Hardware Alarms	DEV1:N7:242/3	1L9	-()- - /- 2:328 2:362 2:299
HA113A1	DA	T/C Hardware Alarms	DEV1:N7:242/4	1M0	-()- - /- 2:330 2:365 2:300
HA113A2	DA	T/C Hardware Alarms	DEV1:N7:242/5	1M3	-()- - /- 2:331 2:366 2:301
HA113A3	DA	T/C Hardware Alarms	DEV1:N7:242/6	1M6	-()- - /- 2:332 2:367 2:302
HA113A4	DA	T/C Hardware Alarms	DEV1:N7:242/7	1M9	-()- - /- 2:333 2:368 2:303
HA113B1	DA	T/C Hardware Alarms	DEV1:N7:242/8	2A0	-()- - /- 2:335 2:371 2:304
HA113B2	DA	T/C Hardware Alarms	DEV1:N7:242/9	2A3	-()- - /- 2:336 2:372 2:305
HA113B3	DA	T/C Hardware Alarms	DEV1:N7:242/10	2A6	-()- - /- 2:337 2:373 2:306
HA113B4	DA	T/C Hardware Alarms	DEV1:N7:242/11	2A9	-()- - /- 2:338 2:374 2:307
HA113C1	DA	T/C Hardware Alarms	DEV1:N7:242/12	2B0	-()- - /- 2:340 2:377 2:308
HA113C2	DA	T/C Hardware Alarms	DEV1:N7:242/13	2B3	-()- - /- 2:341 2:378 2:309
HA113C3	DA	T/C Hardware Alarms	DEV1:N7:242/14	2B6	-()- - /- 2:342 2:379 2:310
HA113C4	DA	T/C Hardware Alarms	DEV1:N7:242/15	2B9	-()- - /- 2:343 2:380 2:311
HA119A	DA	T/C Hardware Alarms	DEV1:N7:243/0	2C0	-()- - /- 2:494 2:522 2:472
HA119B	DA	T/C Hardware Alarms	DEV1:N7:243/1	2C3	-()- - /- 2:495 2:523 2:473
HA119C	DA	T/C Hardware Alarms	DEV1:N7:243/2	2C6	-()- - /- 2:496 2:524 2:474

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
HA120A	DA	T/C Hardware Alarms	DEV1:N7:243/3	2C9	- / - 2:498 2:527 -() 2:475
HA120B	DA	T/C Hardware Alarms	DEV1:N7:243/4	2D0	- / - 2:499 2:528 -() 2:476
HA120C	DA	T/C Hardware Alarms	DEV1:N7:243/5	2D3	- / - 2:500 2:529 -() 2:477
HA121A	DA	T/C Hardware Alarms	DEV1:N7:243/6	2D6	- / - 2:502 2:532 -() 2:478
HA121B	DA	T/C Hardware Alarms	DEV1:N7:243/7	2D9	- / - 2:503 2:533 -() 2:479
HA121C	DA	T/C Hardware Alarms	DEV1:N7:243/8	2E0	- / - 2:504 2:534 -() 2:480
HA122A	DA	T/C Hardware Alarms	DEV1:N7:243/9	2E3	- / - 2:506 2:537 -() 2:481
HA122B	DA	T/C Hardware Alarms	DEV1:N7:243/10	2E6	- / - 2:507 2:538 -() 2:482
HA122C	DA	T/C Hardware Alarms	DEV1:N7:243/11	2E9	- / - 2:508 2:539 -() 2:483
HA123A	DA	T/C Hardware Alarms	DEV1:N7:243/12	2F0	- / - 2:510 2:542 -() 2:484
HA123B	DA	T/C Hardware Alarms	DEV1:N7:243/13	2F3	- / - 2:511 2:543 -() 2:485
HA123C	DA	T/C Hardware Alarms	DEV1:N7:243/14	2F6	- / - 2:512 2:544 -() 2:486
HA124A	DA	T/C Hardware Alarms	DEV1:N7:243/15	2F9	- / - 2:514 2:547 -() 2:487
HA124B	DA	T/C Hardware Alarms	DEV1:N7:244/0	2G0	- / - 2:515 2:548 -() 2:488
HA125A	DA	T/C Hardware Alarms	DEV1:N7:244/1	2G3	- / - 2:517 2:551 -() 2:489
HA125B	DA	T/C Hardware Alarms	DEV1:N7:244/2	2G6	- / - 2:518 2:552 -() 2:490
HA130A	DA	T/C Hardware Alarms	DEV1:N7:244/3	2G9	- / - 2:677 2:707 -() 2:654
HA130B	DA	T/C Hardware Alarms	DEV1:N7:244/4	2H0	- / - 2:678 2:708 -() 2:655
HA130C	DA	T/C Hardware Alarms	DEV1:N7:244/5	2H3	- / - 2:679 2:709 -() 2:656
HA131A	DA	T/C Hardware Alarms	DEV1:N7:244/6	2H6	- / - 2:681 2:712 -() 2:657
HA131B	DA	T/C Hardware Alarms	DEV1:N7:244/7	2H9	- / - 2:682 2:713 -() 2:658
HA131C	DA	T/C Hardware Alarms	DEV1:N7:244/8	2I0	- / - 2:683 2:714 -() 2:659
HA132A	DA	T/C Hardware Alarms	DEV1:N7:244/9	2I3	- / - 2:685 2:717 -() 2:660
HA132B	DA	T/C Hardware Alarms	DEV1:N7:244/10	2I6	- / - 2:686 2:718 -() 2:661
HA133A	DA	T/C Hardware Alarms	DEV1:N7:244/11	2I9	- / - 2:688 2:721 -() 2:662
HA133B	DA	T/C Hardware Alarms	DEV1:N7:244/12	2J0	- / - 2:689 2:722

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
HA134A	DA	T/C Hardware Alarms	DEV1:N7:244/13	2J3	-(-) - /- 2:663 2:691 2:725 2:664
HA134B	DA	T/C Hardware Alarms	DEV1:N7:244/14	2J6	-(-) - /- 2:665 2:692 2:726
HA140A	DA	T/C Hardware Alarms	DEV1:N7:244/15	2J9	-(-) - /- 2:666 2:694 2:729
HA140B	DA	T/C Hardware Alarms	DEV1:N7:245/0	2K0	-(-) - /- 2:667 2:695 2:730
HA140C	DA	T/C Hardware Alarms	DEV1:N7:245/1	2K3	-(-) - /- 2:668 2:696 2:731
HA141A	DA	T/C Hardware Alarms	DEV1:N7:245/2	2K6	-(-) - /- 2:669 2:698 2:734
HA141B	DA	T/C Hardware Alarms	DEV1:N7:245/3	2K9	-(-) - /- 2:670 2:699 2:735
HA141C	DA	T/C Hardware Alarms	DEV1:N7:245/4	2L0	-(-) - /- 2:671 2:700 2:736
HA142A	DA	T/C Hardware Alarms	DEV1:N7:245/5	2L3	-(-) - /- 2:672 2:702 2:739
HA142B	DA	T/C Hardware Alarms	DEV1:N7:245/6	2L6	-(-) - /- 2:673 2:703 2:740
PSH1	DA	pressure switch alm	DEV1:N7:246/0	1C0	-(-) 2:114
PSH2	DA	pressure switch alm	DEV1:N7:246/1	1C1	-(-) 2:115
PSH3	DA	pressure switch alm	DEV1:N7:246/2	1C2	-(-) 2:116
PSH4	DA	pressure switch alm	DEV1:N7:246/3	1C3	-(-) 2:117

<u>Tag Name</u>	<u>Tag type</u>	<u>Description</u>	<u>PLC Device</u>	<u>Ladder Logic Rungs</u>
OUT110A1	DO	TE TAKE-OUT	DEV1:N7:246:4	- / - 2:153
OUT110A2	DO	TE TAKE-OUT	DEV1:N7:246:5	- / - 2:154
OUT110A3	DO	TE TAKE-OUT	DEV1:N7:246:6	- / - 2:155
OUT110A4	DO	TE TAKE-OUT	DEV1:N7:246:7	- / - 2:156
OUT110B1	DO	TE TAKE-OUT	DEV1:N7:246:8	- / - 2:159
OUT110B2	DO	TE TAKE-OUT	DEV1:N7:246:9	- / - 2:160
OUT110B3	DO	TE TAKE-OUT	DEV1:N7:246:10	- / - 2:161
OUT110B4	DO	TE TAKE-OUT	DEV1:N7:246:11	- / - 2:162
OUT110C1	DO	TE TAKE-OUT	DEV1:N7:246:12	- / - 2:165
OUT110C2	DO	TE TAKE-OUT	DEV1:N7:246:13	- / - 2:166
OUT110C3	DO	TE TAKE-OUT	DEV1:N7:246:14	- / - 2:167
OUT110C4	DO	TE TAKE-OUT	DEV1:N7:246:15	- / - 2:168
OUT111A1	DO	TE TAKE-OUT	DEV1:N7:247:0	- / - 2:171
OUT111A2	DO	TE TAKE-OUT	DEV1:N7:247:1	- / - 2:172
OUT111A3	DO	TE TAKE-OUT	DEV1:N7:247:2	- / - 2:173
OUT111A4	DO	TE TAKE-OUT	DEV1:N7:247:3	- / - 2:174
OUT111B1	DO	TE TAKE-OUT	DEV1:N7:247:4	- / - 2:177
OUT111B2	DO	TE TAKE-OUT	DEV1:N7:247:5	- / - 2:178
OUT111B3	DO	TE TAKE-OUT	DEV1:N7:247:6	- / - 2:179
OUT111B4	DO	TE TAKE-OUT	DEV1:N7:247:7	- / - 2:180
OUT111C1	DO	TE TAKE-OUT	DEV1:N7:247:8	- / - 2:183
OUT111C2	DO	TE TAKE-OUT	DEV1:N7:247:9	- / - 2:184
OUT111C3	DO	TE TAKE-OUT	DEV1:N7:247:10	- / - 2:185
OUT111C4	DO	TE TAKE-OUT	DEV1:N7:247:11	- / -
OUT112A1	DO	TE TAKE-OUT	DEV1:N7:247:12	- / - 2:347
OUT112A2	DO	TE TAKE-OUT	DEV1:N7:247:13	- / - 2:348
OUT112A3	DO	TE TAKE-OUT	DEV1:N7:247:14	- / - 2:349
OUT112A4	DO	TE TAKE-OUT	DEV1:N7:247:15	- / - 2:350
OUT112B1	DO	TE TAKE-OUT	DEV1:N7:248:0	- / - 2:353
OUT112B2	DO	TE TAKE-OUT	DEV1:N7:248:1	- / - 2:354
OUT112B3	DO	TE TAKE-OUT	DEV1:N7:248:2	- / - 2:355
OUT112B4	DO	TE TAKE-OUT	DEV1:N7:248:3	- / - 2:356
OUT112C1	DO	TE TAKE-OUT	DEV1:N7:248:4	- / - 2:359
OUT112C2	DO	TE TAKE-OUT	DEV1:N7:248:5	- / - 2:360
OUT112C3	DO	TE TAKE-OUT	DEV1:N7:248:6	- / - 2:361
OUT112C4	DO	TE TAKE-OUT	DEV1:N7:248:7	- / - 2:362
OUT113A1	DO	TE TAKE-OUT	DEV1:N7:248:8	- / - 2:365
OUT113A2	DO	TE TAKE-OUT	DEV1:N7:248:9	- / - 2:366
OUT113A3	DO	TE TAKE-OUT	DEV1:N7:248:10	- / - 2:367
OUT113A4	DO	TE TAKE-OUT	DEV1:N7:248:11	- / - 2:368
OUT113B1	DO	TE TAKE-OUT	DEV1:N7:248:12	- / - 2:371
OUT113B2	DO	TE TAKE-OUT	DEV1:N7:248:13	- / - 2:372
OUT113B3	DO	TE TAKE-OUT	DEV1:N7:248:14	- / - 2:373
OUT113B4	DO	TE TAKE-OUT	DEV1:N7:248:15	- / - 2:374
OUT113C1	DO	TE TAKE-OUT	DEV1:N7:249:0	- / - 2:377
OUT113C2	DO	TE TAKE-OUT	DEV1:N7:249:1	- / - 2:378
OUT113C3	DO	TE TAKE-OUT	DEV1:N7:249:2	- / - 2:379
OUT113C4	DO	TE TAKE-OUT	DEV1:N7:249:3	- / - 2:186 2:380
OUT119A	DO	TE TAKE-OUT	DEV1:N7:249:4	- / - 2:522
OUT119B	DO	TE TAKE-OUT	DEV1:N7:249:5	- / - 2:523
OUT119C	DO	TE TAKE-OUT	DEV1:N7:249:6	- / - 2:524

<u>Tag Name</u>	<u>Tag type</u>	<u>Description</u>	<u>PLC Device</u>	<u>Ladder Logic Rungs</u>
OUT120A	DO	TE TAKE-OUT	DEV1:N7:249:7	- / - 2:527
OUT120B	DO	TE TAKE-OUT	DEV1:N7:249:8	- / - 2:528
OUT120C	DO	TE TAKE-OUT	DEV1:N7:249:9	- / - 2:529
OUT121A	DO	TE TAKE-OUT	DEV1:N7:249:10	- / - 2:532
OUT121B	DO	TE TAKE-OUT	DEV1:N7:249:11	- / - 2:533
OUT121C	DO	TE TAKE-OUT	DEV1:N7:249:12	- / - 2:534
OUT122A	DO	TE TAKE-OUT	DEV1:N7:249:13	- / - 2:537
OUT122B	DO	TE TAKE-OUT	DEV1:N7:249:14	- / - 2:538
OUT122C	DO	TE TAKE-OUT	DEV1:N7:249:14	- / - 2:539
OUT123A	DO	TE TAKE-OUT	DEV1:N7:250:0	- / - 2:542
OUT123B	DO	TE TAKE-OUT	DEV1:N7:250:1	- / - 2:543
OUT123C	DO	TE TAKE-OUT	DEV1:N7:250:2	- / - 2:544
OUT124A	DO	TE TAKE-OUT	DEV1:N7:250:3	- / - 2:547
OUT124B	DO	TE TAKE-OUT	DEV1:N7:250:4	- / - 2:548
OUT125A	DO	TE TAKE-OUT	DEV1:N7:250:5	- / - 2:551
OUT125B	DO	TE TAKE-OUT	DEV1:N7:250:6	- / - 2:552
OUT130A	DO	TE TAKE-OUT	DEV1:N7:250:7	- / - 2:707
OUT130B	DO	TE TAKE-OUT	DEV1:N7:250:8	- / - 2:708
OUT130C	DO	TE TAKE-OUT	DEV1:N7:250:9	- / -
OUT131A	DO	TE TAKE-OUT	DEV1:N7:250:10	- / - 2:712
OUT131B	DO	TE TAKE-OUT	DEV1:N7:250:11	- / - 2:713
OUT131C	DO	TE TAKE-OUT	DEV1:N7:250:12	- / - 2:714
OUT132A	DO	TE TAKE-OUT	DEV1:N7:250:13	- / - 2:717
OUT132B	DO	TE TAKE-OUT	DEV1:N7:250:14	- / - 2:718
OUT133A	DO	TE TAKE-OUT	DEV1:N7:250:15	- / - 2:721
OUT133B	DO	TE TAKE-OUT	DEV1:N7:251:0	- / - 2:722
OUT134A	DO	TE TAKE-OUT	DEV1:N7:251:1	- / - 2:725
OUT134B	DO	TE TAKE-OUT	DEV1:N7:251:2	- / - 2:726
OUT140A	DO	TE TAKE-OUT	DEV1:N7:251:3	- / - 2:729
OUT140B	DO	TE TAKE-OUT	DEV1:N7:251:4	- / - 2:730
OUT140C	DO	TE TAKE-OUT	DEV1:N7:251:5	- / - 2:709 2:731
OUT141A	DO	TE TAKE-OUT	DEV1:N7:251:6	- / - 2:734
OUT141B	DO	TE TAKE-OUT	DEV1:N7:251:7	- / - 2:735
OUT141C	DO	TE TAKE-OUT	DEV1:N7:251:8	- / - 2:736
OUT142A	DO	TE TAKE-OUT	DEV1:N7:251:9	- / - 2:739
OUT142B	DO	TE TAKE-OUT	DEV1:N7:251:10	- / - 2:740

Address	Symbol / Instruction	Comment / File Number:Rung Number
N9:20/15	-()-	2:390
N10:89	DEVIATION	
	-ADD-	2:120 2:125 2:130 2:135 2:140 2:145 2:314 2:319 2:324 2:329 2:334 2:339 2:493 2:497 2:501 2:505 2:509 2:513 2:516 2:676
	-SUB-	2:680 2:684 2:687 2:690 2:693 2:697 2:701 2:120 2:125 2:130 2:135 2:140 2:145 2:314 2:319 2:324 2:329 2:334 2:339 2:493 2:497 2:501 2:505 2:509 2:513 2:516 2:676 2:680 2:684 2:687 2:690 2:693 2:697 2:701
N10:91	H110A	
	-ADD-	2:120
	-GRT-	2:121 2:122 2:123 2:124
N10:92	H110B	
	-ADD-	2:125
	-GRT-	2:126 2:127 2:128 2:129
N10:93	H110C	
	-ADD-	2:130
	-GRT-	2:131 2:132 2:133 2:134
N10:94	H111A	
	-ADD-	2:135
	-GRT-	2:136 2:137 2:138 2:139
N10:95	H111B	
	-ADD-	2:140
	-GRT-	2:141 2:142 2:143 2:144
N10:96	H111C	
	-ADD-	2:145
	-GRT-	2:146 2:147 2:148 2:149
N10:97	H112A	
	-ADD-	2:314
	-GRT-	2:315 2:316 2:317 2:318 2:323
N10:98	H112B	
	-ADD-	2:319
	-GRT-	2:320 2:321 2:322
N10:99	H112C	
	-ADD-	2:324
	-GRT-	2:325 2:326 2:327 2:328
N10:100	H113A	
	-ADD-	2:329
	-GRT-	2:330 2:331 2:332 2:333
N10:101	H113B	
	-ADD-	2:334
	-GRT-	2:335 2:336 2:337 2:338
N10:102	H113C	
	-ADD-	2:339
	-GRT-	2:340 2:341 2:342 2:343

Address	Symbol / Instruction	Comment / File Number:Rung Number
N10:103	H119 -ADD- -GRT-	2:493 2:494 2:495 2:496
N10:104	H120 -ADD- -GRT-	2:497 2:498 2:499 2:500
N10:105	H121 -ADD- -GRT-	2:501 2:502 2:503 2:504
N10:106	H122 -ADD- -GRT-	2:505 2:506 2:507 2:508
N10:107	H123 -ADD- -GRT-	2:509 2:510 2:511 2:512
N10:108	H124 -ADD- -GRT-	2:513 2:514 2:515
N10:109	H125 -ADD- -GRT-	2:516 2:517 2:518
N10:110	H130 -ADD- -GRT-	2:676 2:677 2:678 2:679
N10:111	H131 -ADD- -GRT-	2:680 2:681 2:682 2:683
N10:112	H132 -ADD- -GRT-	2:684 2:685 2:686
N10:113	H133 -ADD- -GRT-	2:687 2:688 2:689
N10:114	H134 -ADD- -GRT-	2:690 2:691 2:692
N10:115	H140 -ADD- -GRT-	2:693 2:694 2:695 2:696
N10:116	H141 -ADD- -GRT-	2:697 2:698 2:699 2:700

Address	Symbol / Instruction	Comment / File Number:Rung Number
N10:117	H142 -ADD- -GRT-	2:701 2:702 2:703
N11:1	L110A -LES- -SUB-	2:121 2:122 2:123 2:124 2:120
N11:2	L110B -LES- -SUB-	2:126 2:127 2:128 2:129 2:125
N11:3	L110C -LES- -SUB-	2:131 2:132 2:133 2:134 2:130
N11:4	L111A -LES- -SUB-	2:136 2:137 2:138 2:139 2:135
N11:5	L111B -LES- -SUB-	2:141 2:142 2:143 2:144 2:140
N11:6	L111C -LES- -SUB-	2:146 2:147 2:148 2:149 2:145
N11:7	L112A -LES- -SUB-	2:315 2:316 2:317 2:318 2:314
N11:8	L112B -LES- -SUB-	2:320 2:321 2:322 2:323 2:319
N11:9	L112C -LES- -SUB-	2:325 2:326 2:327 2:328 2:324
N11:10	L113A -LES- -SUB-	2:330 2:331 2:332 2:333 2:329
N11:11	L113B -LES- -SUB-	2:335 2:336 2:337 2:338 2:334
N11:12	L113C -LES- -SUB-	2:340 2:341 2:342 2:343 2:339
N11:13	L119 -LES- -SUB-	2:494 2:495 2:496 2:493

Address	Symbol / Instruction	Comment / File Number:Rung Number
N11:14	L120 -LES- -SUB-	2:498 2:499 2:500 2:497
N11:15	L121 -LES- -SUB-	2:502 2:503 2:504 2:501
N11:16	L122 -LES- -SUB-	2:506 2:507 2:508 2:505
N11:17	L123 -LES- -SUB-	2:510 2:511 2:512 2:509
N11:18	L124 -LES- -SUB-	2:514 2:515 2:513
N11:19	L125 -LES- -SUB-	2:517 2:518 2:516
N11:20	L130 -LES- -SUB-	2:677 2:678 2:679 2:676
N11:21	L131 -LES- -SUB-	2:681 2:682 2:683 2:680
N11:22	L132 -LES- -SUB-	2:685 2:686 2:684
N11:23	L133 -LES- -SUB-	2:688 2:689 2:687
N11:24	L134 -LES- -SUB-	2:691 2:692 2:690
N11:25	L140 -LES- -SUB-	2:694 2:695 2:696 2:693
N11:26	L141 -LES- -SUB-	2:698 2:699 2:700 2:697
N11:27	L142 -LES- -SUB-	2:702 2:703 2:701

Address	Symbol / Instruction	Comment / File Number:Rung Number
N12:0	PID110A -MOV- 3:27 -PID- 2:195	
N12:0/1	-()- 2:193	
N12:1	-CLR- 3:54	
N12:2	PIDSP110A -MOV- 2:194	
N12:11	-MOV- 2:190 2:190 2:190 -SUB- 2:190	
N12:30	PID110B -MOV- 3:28 -PID- 2:203	
N12:30/1	-()- 2:201	
N12:31	-CLR- 3:55	
N12:32	PIDSP110B -MOV- 2:202	
N12:41	-MOV- 2:198 2:198 2:198 -SUB- 2:198	
N12:60	PID110C -MOV- 3:29 -PID- 2:211	
N12:60/1	-()- 2:209	
N12:61	-CLR- 3:56	
N12:62	PIDSP110C -MOV- 2:210	
N12:71	-MOV- 2:206 2:206 2:206 -SUB- 2:206	
N12:90	PID111A -MOV- 3:30 -PID- 2:219	
N12:90/1	-()- 2:217	

Address	Symbol / Instruction	Comment / File Number:Rung Number
N12:91	-CLR-	3:57
N12:92	PIDSP111A -MOV-	2:218
N12:101	-MOV- -SUB-	2:214 2:214 2:214 2:214
N12:120	PID111B -MOV- -PID-	3:31 2:227
N12:120/1	- ()-	2:225
N12:121	-CLR-	3:58
N12:122	PIDSP111B -MOV-	2:226
N12:131	-MOV- -SUB-	2:222 2:222 2:222 2:222
N12:150	PID111C -MOV- -PID-	3:32 2:236
N12:150/1	- ()-	2:234
N12:151	-CLR-	3:59
N12:152	PIDSP111C -MOV-	2:235
N12:161	-MOV- -SUB-	2:231 2:231 2:231 2:231
N12:180	-CLR-	3:60
N13:0	PID112A -MOV- -PID-	3:33 2:389
N13:0/1	- ()-	2:387
N13:1	-CLR-	3:61

Address	Symbol / Instruction	Comment / File Number:Rung Number
N13:2	PIDSP112A -MOV-	2:388
N13:11	-MOV- -SUB-	2:384 2:384 2:384 2:384
N13:30	PID112B -MOV- -PID-	3:34 2:397
N13:30/1	- ()-	2:395
N13:31	-CLR-	3:62
N13:32	PIDSP112B -MOV-	2:396
N13:41	-MOV- -SUB-	2:392 2:392 2:392 2:392
N13:60	PID112C -MOV- -PID-	3:35 2:405
N13:60/1	- ()-	2:403
N13:61	-CLR-	3:63
N13:62	PIDSP112C -MOV-	2:404
N13:71	-MOV- -SUB-	2:400 2:400 2:400 2:400
N13:90	PID113A -MOV- -PID-	3:36 2:413
N13:90/1	- ()-	2:411
N13:91	-CLR-	3:64
N13:92	PIDSP113A -MOV-	2:412
N13:101	-MOV- -SUB-	2:408 2:408 2:408 2:408

Address	Symbol / Instruction	Comment / File Number:Rung Number
N14:1	-CLR-	3:68
N14:2	PIDSP120 -MOV-	2:568
N14:11	-MOV- -SUB-	2:564 2:564 2:564 2:564
N14:30	PID121 -MOV- -PID-	3:41 2:577
N14:30/1	-()-	2:575
N14:31	-CLR-	3:69
N14:32	PIDSP121 -MOV-	2:576
N14:41	-MOV- -SUB-	2:572 2:572 2:572 2:572
N14:60	PID122 -MOV- -PID-	3:42 2:585
N14:60/1	-()-	2:583
N14:61	-CLR-	3:70
N14:62	PIDSP122 -MOV-	2:584
N14:71	-MOV- -SUB-	2:580 2:580 2:580 2:580
N14:90	PID123 -MOV- -PID-	3:43 2:593
N14:90/1	-()-	2:591
N14:91	-CLR-	3:71
N14:92	PIDSP123 -MOV-	2:592

Address	Symbol / Instruction	Comment / File Number:Rung Number
N14:101	-MOV- 2:588 -SUB- 2:588	2:588 2:588
N14:120	PID124 -MOV- 3:44 -PID- 2:601	
N14:120/1	- () -	2:599
N14:121	-CLR- 3:72	
N14:122	PIDSP124 -MOV- 2:600	
N14:131	-MOV- 2:596 -SUB- 2:596	2:596 2:596
N14:150	PID125 -MOV- 3:45 -PID- 2:610	
N14:150/1	- () -	2:608
N14:151	-CLR- 3:73	
N14:152	PIDSP125 -MOV- 2:609	
N14:161	-MOV- 2:605 -SUB- 2:605	2:605 2:605
N14:180	PID130 -MOV- 3:46 -PID- 2:749	
N14:180/1	- () -	2:747
N14:181	-CLR- 3:74	
N14:182	PIDSP130 -MOV- 2:748	
N14:191	-MOV- 2:744 -SUB- 2:744	2:744 2:744
N15:0	PID131 -MOV- 3:47 -PID- 2:757	

Address	Symbol / Instruction	Comment / File Number:Rung Number
N15:0/1	- () -	2:755
N15:1	-CLR-	3:75
N15:2	PIDSP131 -MOV-	2:756
N15:11	-MOV- -SUB-	2:752 2:752 2:752 2:752
N15:30	PID132 -MOV- -PID-	3:48 2:765
N15:30/1	- () -	2:763
N15:31	-CLR-	3:76
N15:32	PIDSP132 -MOV-	2:764
N15:41	-MOV- -SUB-	2:760 2:760 2:760 2:760
N15:60	PID133 -MOV- -PID-	3:49 2:773
N15:60/1	- () -	2:771
N15:61	-CLR-	3:77
N15:62	PIDSP133 -MOV-	2:772
N15:71	-MOV- -SUB-	2:768 2:768 2:768 2:768
N15:90	PID134 -MOV- -PID-	3:50 2:781
N15:90/1	- () -	2:779
N15:91	-CLR-	3:78

Address	Symbol / Instruction	Comment / File Number:Rung Number
N15:92	PIDSP134 -MOV-	2:780
N15:101	-MOV- -SUB-	2:776 2:776 2:776 2:776
N15:120	PID140 -MOV- -PID-	3:51 2:789
N15:120/0	-()-	2:787
N15:121	-CLR-	3:79
N15:122	PIDSP140 -MOV-	2:788
N15:131	-MOV-	2:784 2:784 2:784
N15:150	PID141 -MOV- -PID-	3:52 2:797
N15:150/1	-()-	2:795
N15:151	-CLR- -SUB-	3:80 2:784
N15:152	PIDSP141 -MOV-	2:796
N15:161	-MOV- -SUB-	2:792 2:792 2:792 2:792
N15:180	PID142 -MOV- -PID-	3:53 2:806
N15:180/1	-()-	2:804
N15:181	-CLR-	3:81
N15:182	PIDSP142 -MOV-	2:805
N15:191	-MOV- -SUB-	2:801 2:801 2:801 2:801

Address	Symbol / Instruction	Comment / File Number:Rung Number
N16:0	R1_110A -MOV- -SUB-	2:4 2:190 2:190 2:190
N16:1	R1_110B -MOV- -SUB-	2:5 2:198 2:198 2:198
N16:2	R1_110C -MOV- -SUB-	2:6 2:206 2:206 2:206
N16:3	R1_111A -MOV- -SUB-	2:7 2:214 2:214 2:214
N16:4	R1_111B -MOV- -SUB-	2:8 2:222 2:222 2:222
N16:5	R1_111C -MOV- -SUB-	2:9 2:231 2:231 2:231
N16:6	R1_112A -MOV- -SUB-	2:10 2:384 2:384 2:384
N16:7	R1_112B -MOV- -SUB-	2:11 2:392 2:392 2:392
N16:8	R1_112C -MOV- -SUB-	2:12 2:400 2:400 2:400
N16:9	R1_113A -MOV- -SUB-	2:13 2:408 2:408 2:408
N16:10	R1_113B -MOV- -SUB-	2:14 2:416 2:416 2:416
N16:11	R1_113C -MOV- -SUB-	2:15 2:425 2:425 2:425
N16:12	R1_119 -MOV- -SUB-	2:16 2:556 2:556 2:556
N16:13	R1_120 -MOV- -SUB-	2:17 2:564 2:564 2:564

Address	Symbol / Instruction	Comment / File Number:Rung Number
N16:14	R1_121 -MOV- -SUB-	2:18 2:572 2:572 2:572
N16:15	R1_122 -MOV- -SUB-	2:19 2:580 2:580 2:580
N16:16	R1_123 -MOV- -SUB-	2:20 2:588 2:588 2:588
N16:17	R1_124 -MOV- -SUB-	2:21 2:596 2:596 2:596
N16:18	R1_125 -MOV- -SUB-	2:22 2:605 2:605 2:605
N16:19	R1_130 -MOV- -SUB-	2:23 2:744 2:744 2:744
N16:20	R1_131 -MOV- -SUB-	2:24 2:752 2:752 2:752
N16:21	R1_132 -MOV- -SUB-	2:25 2:760 2:760 2:760
N16:22	R1_133 -MOV- -SUB-	2:26 2:768 2:768 2:768
N16:23	R1_134 -MOV- -SUB-	2:27 2:776 2:776 2:776
N16:24	R1_140 -MOV- -SUB-	2:28 2:784 2:784 2:784
N16:25	R1_141 -MOV- -SUB-	2:29 2:792 2:792 2:792
N16:26	R1_142 -MOV- -SUB-	2:30 2:801 2:801 2:801
N17:0	R2_110A -MOV- -SUB-	2:4 2:190 2:190

Address	Symbol / Instruction	Comment / File Number:Rung Number
N17:1	R2_110B -MOV- -SUB-	2:5 2:198 2:198
N17:2	R2_110C -MOV- -SUB-	2:6 2:206 2:206
N17:3	R2_111A -MOV- -SUB-	2:7 2:214 2:214
N17:4	R2_111B -MOV- -SUB-	2:8 2:222 2:222
N17:5	R2_111C -MOV- -SUB-	2:9 2:231 2:231
N17:6	R2_112A -MOV- -SUB-	2:10 2:384 2:384
N17:7	R2_112B -MOV- -SUB-	2:11 2:392 2:392
N17:8	R2_112C -MOV- -SUB-	2:12 2:400 2:400
N17:9	R2_113A -MOV- -SUB-	2:13 2:408 2:408
N17:10	R2_113B -MOV- -SUB-	2:14 2:416 2:416
N17:11	R2_113C -MOV- -SUB-	2:15 2:425 2:425
N17:12	R2_119 -MOV- -SUB-	2:16 2:556 2:556
N17:13	R2_120 -MOV- -SUB-	2:17 2:564 2:564
N17:14	R2_121 -MOV- -SUB-	2:18 2:572 2:572

Address	Symbol / Instruction	Comment / File Number:Rung Number
N17:15	R2_122 -MOV- -SUB-	2:19 2:580 2:580
N17:16	R2_123 -MOV- -SUB-	2:20 2:588 2:588
N17:17	R2_124 -MOV- -SUB-	2:21 2:596 2:596
N17:18	R2_125 -MOV- -SUB-	2:22 2:605 2:605
N17:19	R2_130 -MOV- -SUB-	2:23 2:744 2:744
N17:20	R2_131 -MOV- -SUB-	2:24 2:752 2:752
N17:21	R2_132 -MOV- -SUB-	2:25 2:760 2:760
N17:22	R2_133 -MOV- -SUB-	2:26 2:768 2:768
N17:23	R2_134 -MOV- -SUB-	2:27 2:776 2:776
N17:24	R2_140 -MOV- -SUB-	2:28 2:784 2:784
N17:25	R2_141 -MOV- -SUB-	2:29 2:792 2:792
N17:26	R2_142 -MOV- -SUB-	2:30 2:801 2:801
N18:0	DIF1_110A -MOV- -MUL- -SUB-	2:4 2:190 2:190 2:190 2:190 2:190 2:190 2:190 2:190
N18:1	DIF1_110B -MOV- -MUL- -SUB-	2:5 2:198 2:198 2:198 2:198 2:198 2:198 2:198 2:198

Address	Symbol / Instruction	Comment / File Number:Rung Number
N18:2	DIF1_110C -ADD- -MOV- -MUL- -SUB-	2:206 2:206 2:6 2:206 2:206 2:206 2:206 2:206 2:206
N18:3	DIF1_111A -MOV- -MUL- -SUB-	2:7 2:214 2:214 2:214 2:214 2:214 2:214 2:214 2:214
N18:4	DIF1_111B -MOV- -MUL- -SUB-	2:8 2:222 2:222 2:222 2:222 2:222 2:222 2:222 2:222
N18:5	DIF1_111C -MOV- -MUL- -SUB-	2:9 2:231 2:231 2:231 2:231 2:231 2:231 2:231 2:231
N18:6	DIF1_112A -MOV- -MUL- -SUB-	2:10 2:384 2:384 2:384 2:384 2:384 2:384 2:384 2:384
N18:7	DIF1_112B -MOV- -MUL- -SUB-	2:11 2:392 2:392 2:392 2:392 2:392 2:392 2:392 2:392
N18:8	DIF1_112C -MOV- -MUL- -SUB-	2:12 2:400 2:400 2:400 2:400 2:400 2:400 2:400 2:400
N18:9	DIF1_113A -MOV- -MUL- -SUB-	2:13 2:408 2:408 2:408 2:408 2:408 2:408 2:408 2:408
N18:10	DIF1_113B -MOV- -MUL- -SUB-	2:14 2:416 2:416 2:416 2:416 2:416 2:416 2:416 2:416
N18:11	DIF1_113C -MOV- -MUL- -SUB-	2:15 2:425 2:425 2:425 2:425 2:425 2:425 2:425 2:425
N18:12	DIF1_119 -MOV- -MUL- -SUB-	2:16 2:556 2:556 2:556 2:556 2:556 2:556 2:556 2:556

Address	Symbol / Instruction	Comment / File Number:Rung Number
N18:13	DIF1_120	
	-MOV-	2:17 2:564
	-MUL-	2:564 2:564 2:564
	-SUB-	2:564 2:564 2:564 2:564
N18:14	DIF1_121	
	-MOV-	2:18 2:572
	-MUL-	2:572 2:572 2:572
	-SUB-	2:572 2:572 2:572 2:572
N18:15	DIF1_122	
	-MOV-	2:19 2:580
	-MUL-	2:580 2:580 2:580
	-SUB-	2:580 2:580 2:580 2:580
N18:16	DIF1_123	
	-MOV-	2:20 2:588
	-MUL-	2:588 2:588 2:588
	-SUB-	2:588 2:588 2:588 2:588
N18:17	DIF1_124	
	-MOV-	2:21 2:596
	-MUL-	2:596 2:596 2:596
	-SUB-	2:596 2:596 2:596 2:596
N18:18	DIF1_125	
	-MOV-	2:22 2:605
	-MUL-	2:605 2:605 2:605
	-SUB-	2:605 2:605 2:605 2:605
N18:19	DIF1_130	
	-MOV-	2:23 2:744
	-MUL-	2:744 2:744 2:744
	-SUB-	2:744 2:744 2:744 2:744
N18:20	DIF1_131	
	-MOV-	2:24 2:752
	-MUL-	2:752 2:752 2:752
	-SUB-	2:752 2:752 2:752 2:752
N18:21	DIF1_132	
	-MOV-	2:25 2:760
	-MUL-	2:760 2:760 2:760
	-SUB-	2:760 2:760 2:760 2:760
N18:22	DIF1_133	
	-MOV-	2:26 2:768
	-MUL-	2:768 2:768 2:768
	-SUB-	2:768 2:768 2:768 2:768
N18:23	DIF1_134	
	-MOV-	2:27 2:776
	-MUL-	2:776 2:776 2:776
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N18:25	DIF1_141 -MOV- -MUL- -SUB-	2:29 2:792 2:792 2:792 2:792 2:792 2:792 2:792 2:792
N18:26	DIF1_142 -MOV- -MUL- -SUB-	2:30 2:801 2:801 2:801 2:801 2:801 2:801 2:801 2:801
N19:0	DIF2_110A -MOV- -SUB-	2:4 2:190 2:190
N19:1	DIF2_110B -MOV- -SUB-	2:5 2:198 2:198
N19:2	DIF2_110C -MOV- -SUB-	2:6 2:206 2:206
N19:3	DIF2_111A -MOV- -SUB-	2:7 2:214 2:214
N19:4	DIF2_111B -MOV- -SUB-	2:8 2:222 2:222
N19:5	DIF2_111C -MOV- -SUB-	2:9 2:231 2:231
N19:6	DIF2_112A -MOV- -SUB-	2:10 2:384 2:384
N19:7	DIF2_112B -MOV- -SUB-	2:11 2:392 2:392
N19:8	DIF2_112C -MOV- -SUB-	2:12 2:400 2:400
N19:9	DIF2_113A -MOV- -SUB-	2:13 2:408 2:408
N19:10	DIF2_113B -MOV- -SUB-	2:14 2:416 2:416

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N19:11	DIF2_113C -MOV- -SUB-	2:15 2:425 2:425
N19:12	DIF2_119 -MOV- -SUB-	2:16 2:556 2:556
N19:13	DIF2_120 -MOV- -SUB-	2:17 2:564 2:564
N19:14	DIF2_121 -MOV- -SUB-	2:18 2:572 2:572
N19:15	DIF2_122 -MOV- -SUB-	2:19 2:580 2:580
N19:16	DIF2_123 -MOV- -SUB-	2:20 2:588 2:588
N19:17	DIF2_124 -MOV- -SUB-	2:21 2:596 2:596
N19:18	DIF2_125 -MOV- -SUB-	2:22 2:605 2:605
N19:19	DIF2_130 -MOV- -SUB-	2:23 2:744 2:744
N19:20	DIF2_131 -MOV- -SUB-	2:24 2:752 2:752
N19:21	DIF2_132 -MOV- -SUB-	2:25 2:760 2:760
N19:22	DIF2_133 -MOV- -SUB-	2:26 2:768 2:768
N19:23	DIF2_134 -MOV- -SUB-	2:27 2:776 2:776
N19:24	DIF2_140 -MOV- -SUB-	2:28 2:784 2:784

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	-MOV-	2:29 2:792
	-SUB-	2:792
N19:26	DIF2_142	
	-MOV-	2:30 2:801
	-SUB-	2:801
N20:0	ACC	
	-ADD-	2:190 2:190 2:190 2:198 2:198 2:198 2:206 2:206 2:206 2:214 2:214 2:214 2:222 2:222 2:222 2:231 2:231 2:231 2:384 2:384 2:384 2:392 2:400 2:400 2:400 2:408 2:408 2:408 2:416 2:416 2:416 2:425 2:425 2:425 2:425 2:556 2:556 2:564 2:564 2:564 2:572 2:572 2:572 2:580 2:580 2:580 2:588 2:588 2:588 2:596 2:596 2:596 2:605 2:605 2:605 2:744 2:744 2:744 2:776 2:776 2:752 2:760 2:760 2:760 2:768 2:768 2:768 2:776 2:776 2:776 2:784 2:784 2:784 2:784 2:792 2:792 2:792 2:801 2:801 2:801 -EQU- 2:190 2:190 2:198 2:198 2:206 2:206 2:214 2:214 2:222 2:222 2:231 2:231 2:384 2:384 2:392 2:392 2:400 2:400 2:408 2:408 2:416 2:416 2:425 2:425 2:556 2:556 2:564 2:564 2:572 2:572 2:580 2:580 2:588 2:588 2:596 2:596 2:605 2:605 2:744 2:744 2:752 2:752 2:760 2:760 2:768 2:768 2:776 2:776 2:784 2:784 2:792 2:792 2:801 2:801 -GRT- 2:190 2:198 2:206 2:214 2:222 2:231 2:384 2:392 2:400 2:408 2:416 2:425 2:556 2:564 2:572 2:580 2:588 2:596 2:605 2:744 2:752 2:760 2:768 2:776 2:784 2:792 2:801 -LES- 2:190 2:198 2:206 2:214 2:222 2:231 2:384 2:392 2:400 2:408 2:416 2:425 2:556 2:564 2:572 2:580 2:588 2:596 2:605 2:744 2:752 2:760 2:768 2:776 2:784 2:792 2:801 -LIN- 2:190 2:198 2:206 2:214 2:222 2:231 2:384 2:392 2:400 2:408 2:416 2:425 2:556 2:564 2:572 2:580 2:588 2:596 2:605 2:744 2:752 2:760 2:768 2:776 2:784 2:792 2:801 -MOV- 2:190 2:198 2:206 2:214 2:222 2:231 2:384 2:392 2:400 2:408 2:416 2:425 2:556 2:564 2:572 2:580 2:588 2:596 2:605 2:744 2:752 2:760 2:768 2:776 2:784 2:792 2:801 -MUL- 2:190 2:190 2:190 2:198 2:198 2:198 2:206 2:206 2:206 2:214 2:214 2:214 2:222 2:222 2:222 2:231 2:231 2:231 2:384 2:384 2:384 2:392 2:392 2:392 2:400 2:400 2:400 2:408 2:408 2:408 2:416 2:416 2:416 2:425 2:425 2:425 2:556 2:556 2:556 2:564 2:564 2:564 2:572 2:572 2:572 2:580 2:580 2:580 2:588 2:588 2:588 2:596 2:596 2:596 2:596 2:605 2:605 2:605 2:744 2:744 2:752 2:752 2:752 2:760 2:760 2:760 2:768 2:768 2:768 2:776 2:776 2:776 2:784 2:784 2:784 2:792 2:792 2:792 2:801 2:801 2:801 -SUB- 2:190 2:190 2:190 2:198 2:198 2:198 2:206 2:206 2:206 2:214 2:214 2:214 2:222 2:222 2:222 2:231 2:231 2:231 2:384 2:384 2:384 2:392 2:392 2:392 2:400 2:400 2:400 2:408 2:408 2:408 2:416 2:416 2:416 2:425 2:425 2:425 2:556 2:556 2:556 2:564 2:564 2:564 2:572 2:572 2:572 2:580 2:580 2:580 2:588 2:588 2:588 2:596 2:596 2:596 2:596 2:605 2:605 2:605 2:744 2:744 2:752 2:752 2:752 2:760 2:760 2:760 2:768 2:768 2:768 2:776 2:776 2:776 2:784 2:784 2:784 2:792 2:792 2:792 2:801 2:801 2:801

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	-SUB-	2:190 2:198 2:206 2:214 2:222 2:231 2:384 2:392 2:400 2:408 2:416 2:425 2:556 2:564 2:572 2:580 2:588 2:596 2:605 2:744 2:752 2:760 2:768 2:776 2:784 2:792 2:801
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	-MUL-	2:190 2:190 2:190 2:198 2:198 2:198 2:206 2:206 2:206 2:214 2:214 2:214 2:222 2:222 2:222 2:231 2:231 2:231 2:384 2:384 2:384 2:392 2:392 2:392 2:400 2:400 2:400 2:408 2:408 2:408 2:416 2:416 2:416 2:425 2:425 2:425 2:556 2:556 2:556 2:564 2:564 2:564 2:572 2:572 2:572 2:580 2:580 2:580 2:588 2:588 2:588 2:596 2:596 2:596 2:605 2:605 2:605 2:744 2:744 2:744 2:752 2:752 2:752 2:760 2:760 2:760 2:768 2:768 2:768 2:776 2:776 2:776 2:784 2:784 2:784 2:792 2:792 2:792 2:801 2:801 2:801
	-SUB-	2:190 2:198 2:206 2:214 2:222 2:231 2:384 2:392 2:400 2:408 2:416 2:425 2:556 2:564 2:572 2:580 2:588 2:596 2:605 2:744 2:752 2:760 2:768 2:776 2:784 2:792 2:801
N20:3	DDIF1	
	-CLR-	2:4 2:5 2:6 2:7 2:8 2:9 2:10 2:11 2:12 2:13 2:14 2:15 2:16 2:17 2:18 2:19 2:20 2:21 2:22 2:23 2:24 2:25 2:26 2:27 2:28 2:29 2:30
N20:4	DDIF2	
	-CLR-	2:4 2:5 2:6 2:7 2:8 2:9 2:10 2:11 2:12 2:13 2:14 2:15 2:16 2:17 2:18 2:19 2:20 2:21 2:22 2:23 2:24 2:25 2:26 2:27 2:28 2:29 2:30
N20:5/1	DN_1	
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N20:5/5	DNR_1 -J [- 2:34 -(L)- 2:230 -(U)- 2:34	
N20:5/6	DNR_2 -J [- 2:34 -(L)- 2:424 -(U)- 2:34	
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N20:5/8	DNR_4 -J [- 2:34 -(L)- 2:800 -(U)- 2:34	
N20:6/1	DEV_1 -J [- 2:153 2:154 2:155 2:156 2:159 2:160 2:161 2:162 2:165 2:166 2:167 2:168 2:171 2:172 2:173 2:174 2:177 2:178 2:179 2:180 2:183 2:184 2:185 2:186 2:188 -(L)- 2:118 -(U)- 2:150	
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N20:7/2	DUMMY3 -()-	2:909
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N20:7/4	DUMMY5 -()-	2:119
N20:7/5	DUMMY6 -()-	2:151
N20:7/6	DUMMY7 -()-	2:238
N20:7/7	DUMMY8 -()-	2:313
N20:7/8	DUMMY9 -()-	2:345
N20:7/9	DUMMY10 -()-	2:492
N20:7/10	DUMMY11 -()-	2:520
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N20:7/12	DUMMY13 -()-	2:705
N20:7/13	DUMMY14 -()-	2:432
N20:7/14	DUMMY15 -()-	2:612
N20:7/15	DUMMY16 -()-	2:191
N20:8/0	DUMMY17 -()-	2:199
N20:8/1	DUMMY18 -()-	2:207
N20:8/2	DUMMY19 -()-	2:215

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N20:8/4	DUMMY21 -()- 2:232	
N20:8/5	DUMMY22 -()- 2:385	
N20:8/6	DUMMY23 -()- 2:393	
N20:8/7	DUMMY24 -()- 2:401	
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N20:8/9	DUMMY26 -()- 2:417	
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N20:8/12	DUMMY29 -()- 2:565	
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N20:9/7	DUMMY40 -()- 2:785	
N20:9/8	DUMMY41 -()- 2:793	
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N20:9/10	-()- 2:196	
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N20:10/5	-()- 2:562	
N20:10/6	-()- 2:570	
N20:10/7	-()- 2:578	
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N20:10/9	-()- 2:594	
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N20:10/12	- () -	2:750
N20:10/13	- () -	2:758
N20:10/14	- () -	2:766
N20:10/15	- () -	2:774
N20:11/0	- () -	2:782
N20:11/1	- () -	2:790
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	- () -	2:190 2:198 2:206 2:214 2:222 2:231 2:384 2:392 2:400 2:408 2:416 2:425 2:556 2:564 2:572 2:580 2:588 2:596 2:605 2:744 2:752 2:760 2:768 2:776 2:784 2:792 2:801
0:3.0	-FLL-	3:1
0:4.0	-FLL-	3:2
0:5.0	-FLL-	3:3
0:6.0	-FLL-	3:4
0:7.0	-FLL-	3:5
0:8.0	-FLL-	3:6
0:9.0	-FLL-	3:7
0:10.0	-FLL-	3:8
0:11.0	-FLL-	3:9
0:12.0	-FLL-	3:10

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0:13.0	-FLL-	3:11
0:14.0	-FLL-	3:12
0:15.0	-FLL-	3:13
0:16.0	-FLL-	3:14
0:17.0	-FLL-	3:15
0:18.0	-FLL-	3:16
0:19.0	-FLL-	3:17
0:20.0	-FLL-	3:18
0:21.0	-FLL-	3:19
0:22.0	-FLL-	3:20
0:23.0	-FLL-	3:21
0:24.0	-FLL-	3:22
0:25/0	SCR_110A -()-	2:830
0:25/1	SCR_110B -()-	2:833
0:25/2	SCR_110C -()-	2:836
0:25/3	SCR_111A -()-	2:839
0:25/4	SCR_111B -()-	2:842
0:25/5	SCR_111C -()-	2:845
0:25/6	SCR_112A -()-	2:848

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0:25/7	SCR_112B -()-	2:851
0:25/8	SCR_112C -()-	2:854
0:25/9	SCR_113A -()-	2:857
0:25/10	SCR_113B -()-	2:860
0:25/11	SCR_113C -()-	2:863
0:25/12	SCR_119 -()-	2:866
0:25/13	SCR_120 -()-	2:869
0:25/14	SCR_121 -()-	2:872
0:25/15	SCR_122 -()-	2:875
0:25/16	SCR_123 -()-	2:878
0:25/17	SCR_124 -()-	2:881
0:25/18	SCR_125 -()-	2:884
0:25/19	SCR_130 -()-	2:887
0:25/20	SCR_131 -()-	2:890
0:25/21	SCR_132 -()-	2:893
0:25/22	SCR_133 -()-	2:896
0:25/23	SCR_134 -()-	2:899
0:25/24	SCR_140 -()-	2:902
0:25/25	SCR_141 -()-	2:905

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O:25/26	SCR_142 -()-	2:908
S:1/15	FIRST_PASS -1 [-	2:1
S:5	-CLR-	2:190 2:190 2:195 2:198 2:198 2:203 2:206 2:206 2:211 2:214 2:214 2:219 2:222 2:222 2:227 2:231 2:231 2:236 2:384 2:384 2:389 2:392 2:392 2:397 2:400 2:400 2:405 2:408 2:408 2:413 2:416 2:416 2:421 2:425 2:425 2:430 2:556 2:556 2:561 2:564 2:564 2:569 2:572 2:572 2:577 2:580 2:580 2:585 2:588 2:588 2:593 2:596 2:596 2:601 2:605 2:605 2:610 2:744 2:744 2:749 2:752 2:752 2:757 2:760 2:760 2:765 2:768 2:768 2:773 2:776 2:776 2:781 2:784 2:784 2:789 2:792 2:792 2:797 2:801 2:801 2:806 2:809 2:910
T4:1	TMR110A -RES- -TON-	2:829 2:828
T4:1.ACC	-LES-	2:830
T4:1/DN	-] [-	2:829
T4:2	TMR110B -RES- -TON-	2:832 2:831
T4:2.ACC	-LES-	2:833
T4:2/DN	-] [-	2:832
T4:3	TMR110C -RES- -TON-	2:835 2:834
T4:3.ACC	-LES-	2:836
T4:3/DN	-] [-	2:835
T4:4	TMR111A -RES- -TON-	2:838 2:837
T4:4.ACC	-LES-	2:839
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T4:5	TMR111B -RES- 2:841 -TON- 2:840	
T4:5.ACC	-LES- 2:842	
T4:5/DN	-] [- 2:841	
T4:6	TMR111C -RES- 2:844 -TON- 2:843	
T4:6.ACC	-LES- 2:845	
T4:6/DN	-] [- 2:844	
T4:7	TMR112A -RES- 2:847 -TON- 2:846	
T4:7.ACC	-LES- 2:848	
T4:7/DN	-] [- 2:847	
T4:8	TMR112B -RES- 2:850 -TON- 2:849	
T4:8.ACC	-LES- 2:851	
T4:8/DN	-] [- 2:850	
T4:9	TMR112C -RES- 2:853 -TON- 2:852	
T4:9.ACC	-LES- 2:854	
T4:9/DN	-] [- 2:853	
T4:10	TMR113A -RES- 2:856 -TON- 2:855	
T4:10.ACC	-LES- 2:857	

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T4:10/DN	-] [-	2:856
T4:11	TMR113B -RES- -TON-	2:859 2:858
T4:11.ACC	-LES-	2:860
T4:11/DN	-] [-	2:859
T4:12	TMR113C -RES- -TON-	2:862 2:861
T4:12.ACC	-LES-	2:863
T4:12/DN	-] [-	2:862
T4:13	TMR119 -RES- -TON-	2:865 2:864
T4:13.ACC	-LES-	2:866
T4:13/DN	-] [-	2:865
T4:14	TMR120 -RES- -TON-	2:868 2:867
T4:14.ACC	-LES-	2:869
T4:14/DN	-] [-	2:868
T4:15	TMR121 -RES- -TON-	2:871 2:870
T4:15.ACC	-LES-	2:872
T4:15/DN	-] [-	2:871
T4:16	TMR122 -RES- -TON-	2:874 2:873

Address	Symbol / Instruction	Comment / File Number:Rung Number
T4:16.ACC	-LES-	2:875
T4:16/DN	-] [-	2:874
T4:17	TMR123 -RES- -TON-	2:877 2:876
T4:17.ACC	-LES-	2:878
T4:17/DN	-] [-	2:877
T4:18	TMR124 -RES- -TON-	2:880 2:879
T4:18.ACC	-LES-	2:881
T4:18/DN	-] [-	2:880
T4:19	TMR125 -RES- -TON-	2:883 2:882
T4:19.ACC	-LES-	2:884
T4:19/DN	-] [-	2:883
T4:20	TMR130 -RES- -TON-	2:886 2:885
T4:20.ACC	-LES-	2:887
T4:20/DN	-] [-	2:886
T4:21	TMR131 -RES- -TON-	2:889 2:888
T4:21.ACC	-LES-	2:890
T4:21/DN	-] [-	2:889

Address	Symbol / Instruction	Comment / File Number:Rung Number
T4:22	TMR132 -RES- -TON-	2:892 2:891
T4:22.ACC	-LES-	2:893
T4:22/DN	-] [-	2:892
T4:23	TMR133 -RES- -TON-	2:895 2:894
T4:23.ACC	-LES-	2:896
T4:23/DN	-] [-	2:895
T4:24	TMR134 -RES- -TON-	2:898 2:897
T4:24.ACC	-LES-	2:899
T4:24/DN	-] [-	2:898
T4:25	TMR140 -RES- -TON-	2:901 2:900
T4:25.ACC	-LES-	2:902
T4:25/DN	-] [-	2:901
T4:26	TMR141 -RES- -TON-	2:904 2:903
T4:26.ACC	-LES-	2:905
T4:26/DN	-] [-	2:904
T4:27	TMR142 -RES- -TON-	2:907 2:906
T4:27.ACC	-LES-	2:908

Address	Symbol / Instruction	Comment / File Number:Rung Number
T4:27/DN	-] [-	2:907
T4:60	TMR_SU -TON-	2:2
T4:60/DN	-] [-	2:0 2:4 2:5 2:6 2:7 2:8 2:9 2:10 2:11 2:12 2:13 2:14 2:15 2:16 2:17 2:18 2:19 2:20 2:21 2:22 2:23 2:24 2:25 2:26 2:27 2:28 2:29 2:30 2:31 -] / [- 2:3
T4:61	TMR_SCH -RES- -TON-	2:34 2:33
T4:61.ACC	-GEQ-	2:35 2:36 2:37 2:38
T4:61/DN	-] [-	2:34
T4:62	RT_TMR -RES- -TON-	2:34 2:33
T4:62/DN	-] [-	2:34 2:230 2:424 2:604 2:800 -] / [- 2:189 2:197 2:205 2:213 2:221 2:229 2:383 2:391 2:399 2:407 2:415 2:423 2:555 2:563 2:571 2:579 2:587 2:595 2:603 2:743 2:751 2:759 2:767 2:775 2:783 2:791 2:799

Address	Symbol / Instruction	Comment / File Number:Rung Number
2:LBL1	-JMP- 2:3 2:44 -LBL- 2:49	MD1
2:LBL10	-JMP- 2:670 -LBL- 2:604	DEV3
2:LBL11	-JMP- 2:868 -LBL- 2:802	DEV4
2:LBL12	-JMP- 2:131 -LBL- 2:168	AV1
2:LBL13	-JMP- 2:361 -LBL- 2:400	AV2
2:LBL14	-JMP- 2:603 -LBL- 2:633	
2:LBL15	-JMP- 2:801 -LBL- 2:831	AV4
2:LBL16	-JMP- 2:214 -LBL- 2:216	PID143
2:LBL17	-JMP- 2:222 -LBL- 2:224	PID144
2:LBL18	-JMP- 2:230 -LBL- 2:232	PID150
2:LBL19	-JMP- 2:238 -LBL- 2:240	PID151
2:LBL2	-JMP- 2:45 -LBL- 2:295	MD2
2:LBL20	-JMP- 2:246 -LBL- 2:248	PID152
2:LBL21	-JMP- 2:254 -LBL- 2:256	PID153

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Address	Symbol / Instruction	Comment / File Number:Rung Number
2:LBL22		PID154
	-JMP- 2:262	
	-LBL- 2:264	
2:LBL23		PID160
	-JMP- 2:270	
	-LBL- 2:272	
2:LBL24		PID161
	-JMP- 2:278	
	-LBL- 2:280	
2:LBL25		PID162
	-JMP- 2:286	
	-LBL- 2:289	
2:LBL26		PID163
	-JMP- 2:450	
	-LBL- 2:452	
2:LBL27		PID164
	-JMP- 2:458	
	-LBL- 2:460	
2:LBL28		PID170B
	-JMP- 2:466	
	-LBL- 2:468	
2:LBL29		PID170V
	-JMP- 2:474	
	-LBL- 2:476	
2:LBL3		MD3
	-JMP- 2:46	
	-LBL- 2:547	
2:LBL30		PID171B
	-JMP- 2:482	
	-LBL- 2:484	
2:LBL31		PID171V
	-JMP- 2:490	
	-LBL- 2:492	
2:LBL32		PID172B
	-JMP- 2:498	
	-LBL- 2:500	
2:LBL33		PID172V
	-JMP- 2:506	
	-LBL- 2:508	
2:LBL34		PID173B
	-JMP- 2:514	
	-LBL- 2:516	

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Address	Symbol / Instruction	Comment / File Number:Rung Number
2:LBL35		PID173V
	-JMP- 2:522	
	-LBL- 2:524	
2:LBL36		PID174B
	-JMP- 2:530	
	-LBL- 2:532	
2:LBL37		PID174V
	-JMP- 2:538	
	-LBL- 2:541	
2:LBL38		PID175B
	-JMP- 2:672	
	-LBL- 2:674	
2:LBL39		PID175V
	-JMP- 2:680	
	-LBL- 2:682	
2:LBL4		MD4
	-JMP- 2:47 2:671	
	-LBL- 2:745	
2:LBL40		PID176B
	-JMP- 2:688	
	-LBL- 2:690	
2:LBL41		PID176V
	-JMP- 2:696	
	-LBL- 2:698	
2:LBL42		PID177B
	-JMP- 2:704	
	-LBL- 2:706	
2:LBL43		PID177V
	-JMP- 2:712	
	-LBL- 2:714	
2:LBL44		PID178B
	-JMP- 2:720	
	-LBL- 2:722	
2:LBL45		PID178V
	-JMP- 2:728	
	-LBL- 2:730	
2:LBL46		PID179B
	-JMP- 2:736	
	-LBL- 2:739	
2:LBL47		PID179V
	-JMP- 2:870	
	-LBL- 2:872	

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Address	Symbol / Instruction	Comment / File Number:Rung Number	HNF-SD-FF-CSWD-60Rev.0
2:LBL48		PID180B	
	-JMP- 2:878		
	-LBL- 2:880		Page 104
2:LBL49		PID180V	
	-JMP- 2:886		
	-LBL- 2:888		
2:LBL5		NOT END	
	-JMP- 2:48 2:290 2:294 2:542 2:546 2:740 2:744 2:938		
	-LBL- 2:942		
2:LBL50		PID181B	
	-JMP- 2:894		
	-LBL- 2:896		
2:LBL51		PID181V	
	-JMP- 2:902		
	-LBL- 2:904		
2:LBL52		PID182B	
	-JMP- 2:910		
	-LBL- 2:912		
2:LBL53		PID182V	
	-JMP- 2:918		
	-LBL- 2:920		
2:LBL54		PID183B	
	-JMP- 2:926		
	-LBL- 2:928		
2:LBL55		PID183V	
	-JMP- 2:934		
	-LBL- 2:937		
2:LBL56			
	-JMP- 2:217		
	-LBL- 2:221		
2:LBL57			
	-JMP- 2:225		
	-LBL- 2:229		
2:LBL58			
	-JMP- 2:233		
	-LBL- 2:237		
2:LBL59			
	-JMP- 2:241		
	-LBL- 2:245		
2:LBL6		END	
	-JMP- 2:40 2:869		
	-LBL- 2:1063		

Address	Symbol / Instruction	Comment / File Number:Rung Number
2:LBL60	-JMP- 2:249 -LBL- 2:253	
2:LBL61	-JMP- 2:257 -LBL- 2:261	
2:LBL62	-JMP- 2:265 -LBL- 2:269	
2:LBL63	-JMP- 2:273 -LBL- 2:277	
2:LBL64	-JMP- 2:281 -LBL- 2:285	
2:LBL66	-JMP- 2:453 -LBL- 2:457	
2:LBL67	-JMP- 2:461 -LBL- 2:465	
2:LBL68	-JMP- 2:469 -LBL- 2:473	
2:LBL69	-JMP- 2:477 -LBL- 2:481	
2:LBL7	-JMP- 2:0 -LBL- 2:41	SCHTMR
2:LBL70	-JMP- 2:485 -LBL- 2:489	
2:LBL71	-JMP- 2:493 -LBL- 2:497	
2:LBL72	-JMP- 2:501 -LBL- 2:505	
2:LBL73	-JMP- 2:509 -LBL- 2:513	

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Address Symbol / Comment /
 Instruction File Number:Rung Number

2:LBL74
 -JMP- 2:517
 -LBL- 2:521

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2:LBL75
 -JMP- 2:525
 -LBL- 2:529

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2:LBL76
 -JMP- 2:533
 -LBL- 2:537

2:LBL77
 -JMP- 2:675
 -LBL- 2:679

2:LBL78
 -JMP- 2:683
 -LBL- 2:687

2:LBL79
 -JMP- 2:691
 -LBL- 2:695

2:LBL8 DEV1
 -JMP- 2:213
 -LBL- 2:132

2:LBL80
 -JMP- 2:699
 -LBL- 2:703

2:LBL81
 -JMP- 2:707
 -LBL- 2:711

2:LBL82
 -JMP- 2:715
 -LBL- 2:719

2:LBL83
 -JMP- 2:723
 -LBL- 2:727

2:LBL84
 -JMP- 2:731
 -LBL- 2:735

2:LBL86
 -JMP- 2:873
 -LBL- 2:877

2:LBL87
 -JMP- 2:881
 -LBL- 2:885

Address	Symbol / Instruction	Comment / File Number:Rung Number
I:3.0	TC143A -ADD- 2:51	
I:3.1	TC143B -ADD- 2:53	
I:3.2	TC144A -ADD- 2:55	
I:3.3	TC144B -ADD- 2:57	
I:3/75	-] [- 2:107	T/C ENABLE 2:793
I:3/76	-] [- 2:107	OPEN T/C 2:793
I:3/77	-] [- 2:107	LO LIMIT 2:793
I:3/78	-] [- 2:107	HI LIMIT 2:793
I:3/79	-] [- 2:107	CNFG ERROR 2:793
I:3/91	-] [- 2:108	T/C ENABLE 2:794
I:3/92	-] [- 2:108	OPEN T/C 2:794
I:3/93	-] [- 2:108	LO LIMIT 2:794
I:3/94	-] [- 2:108	HI LIMIT 2:794
I:3/95	-] [- 2:108	CNFG ERROR 2:794
I:3/107	-] [- 2:109	T/C ENABLE 2:795
I:3/108	-] [- 2:109	OPEN T/C 2:795
I:3/109	-] [- 2:109	LO LIMIT 2:795
I:3/110	-] [- 2:109	HI LIMIT 2:795
I:3/111	-] [- 2:109	CNFG ERROR 2:795

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Processor File: SODIUM2A.ACH

Address	Symbol / Instruction	Comment / File Number:Rung Number
I:3/123	-J/[- 2:110	T/C ENABLE 2:796
I:3/124	-J [- 2:110	OPEN T/C 2:796
I:3/125	-J [- 2:110	LO LIMIT 2:796
I:3/126	-J [- 2:110	HI LIMIT 2:796
I:3/127	-J [- 2:110	CNFG ERROR 2:796
I:4.0	TC150A -ADD- 2:59	
I:4.1	TC150B -ADD- 2:61	
I:4.2	TC150C -ADD- 2:63	
I:4.3	TC151A -ADD- 2:65	
I:4/75	-J/[- 2:111	T/C ENABLE 2:797
I:4/76	-J [- 2:111	OPEN T/C 2:797
I:4/77	-J [- 2:111	LO LIMIT 2:797
I:4/78	-J [- 2:111	HI LIMIT 2:797
I:4/79	-J [- 2:111	CNFG ERROR 2:797
I:4/91	-J/[- 2:112	T/C ENABLE 2:798
I:4/92	-J [- 2:112	OPEN T/C 2:798
I:4/93	-J [- 2:112	LO LIMIT 2:798
I:4/94	-J [- 2:112	HI LIMIT 2:798
I:4/95	-J [- 2:112	CNFG ERROR 2:798

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:4/107	-J/[- 2:113	T/C ENABLE 2:799
I:4/108	-J [- 2:113	OPEN T/C 2:799
I:4/109	-J [- 2:113	LO LIMIT 2:799
I:4/110	-J [- 2:113	HI LIMIT 2:799
I:4/111	-J [- 2:113	CNFG ERROR 2:799
I:4/123	-J/[- 2:114	T/C ENABLE 2:800
I:4/124	-J [- 2:114	OPEN T/C 2:800
I:4/125	-J [- 2:114	LO LIMIT 2:800
I:4/126	-J [- 2:114	HI LIMIT 2:800
I:4/127	-J [- 2:114	CNFG ERROR 2:800
I:5.0	TC151B -ADD-	2:67
I:5.1	TC151C -ADD-	2:69
I:5.2	TC152A -ADD-	2:71
I:5.3	TC152B -ADD-	2:73
I:5/75	-J/[- 2:115	T/C ENABLE
I:5/76	-J [- 2:115	OPEN T/C
I:5/77	-J [- 2:115	LO LIMIT
I:5/78	-J [- 2:115	HI LIMIT
I:5/79	-J [- 2:115	CNFG ERROR

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:5/91	-1/[- 2:116	T/C ENABLE
I:5/92	-1 [- 2:116	OPEN T/C
I:5/93	-1 [- 2:116	LO LIMIT
I:5/94	-1 [- 2:116	HI LIMIT
I:5/95	-1 [- 2:116	CNFG ERROR
I:5/107	-1/[- 2:117	T/C ENABLE
I:5/108	-1 [- 2:117	OPEN T/C
I:5/109	-1 [- 2:117	LO LIMIT
I:5/110	-1 [- 2:117	HI LIMIT
I:5/111	-1 [- 2:117	CNFG ERROR
I:5/123	-1/[- 2:118	T/C ENABLE
I:5/124	-1 [- 2:118	OPEN T/C
I:5/125	-1 [- 2:118	LO LIMIT
I:5/126	-1 [- 2:118	HI LIMIT
I:5/127	-1 [- 2:118	CNFG ERROR
I:6.0	TC153A -ADD- 2:75	
I:6.1	TC153B -ADD- 2:77	
I:6.2	TC154A -ADD- 2:79	
I:6.3	TC154B -ADD- 2:81	

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:6/75	-1/[- 2:119	T/C ENABLE
I:6/76	-1 [- 2:119	OPEN T/C
I:6/77	-1 [- 2:119	LO LIMIT
I:6/78	-1 [- 2:119	HI LIMIT
I:6/79	-1 [- 2:119	CNFG ERROR
I:6/91	-1/[- 2:120	T/C ENABLE
I:6/92	-1 [- 2:120	OPEN T/C
I:6/93	-1 [- 2:120	LO LIMIT
I:6/94	-1 [- 2:120	HI LIMIT
I:6/95	-1 [- 2:120	CNFG ERROR
I:6/107	-1/[- 2:121	T/C ENABLE
I:6/108	-1 [- 2:121	OPEN T/C
I:6/109	-1 [- 2:121	LO LIMIT
I:6/110	-1 [- 2:121	HI LIMIT
I:6/111	-1 [- 2:121	CNFG ERROR
I:6/123	-1/[- 2:122	T/C ENABLE
I:6/124	-1 [- 2:122	OPEN T/C
I:6/125	-1 [- 2:122	LO LIMIT
I:6/126	-1 [- 2:122	HI LIMIT

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:6/127	~J [- 2:122	CNFG ERROR
I:7.0	TC160A -ADD- 2:83	
I:7.1	TC160B -ADD- 2:85	
I:7.2	TC160C -ADD- 2:87	
I:7.3	TC161A -ADD- 2:89	
I:7/75	-J/I- 2:123	T/C ENABLE
I:7/76	-J [- 2:123	OPEN T/C
I:7/77	-J [- 2:123	LO LIMIT
I:7/78	-J [- 2:123	HI LIMIT
I:7/79	-J [- 2:123	CNFG ERROR
I:7/91	-J/I- 2:124	T/C ENABLE
I:7/92	-J [- 2:124	OPEN T/C
I:7/93	-J [- 2:124	LO LIMIT
I:7/94	-J [- 2:124	HI LIMIT
I:7/95	-J [- 2:124	CNFG ERROR
I:7/107	-J/I- 2:125	T/C ENABLE
I:7/108	-J [- 2:125	OPEN T/C
I:7/109	-J [- 2:125	LO LIMIT
I:7/110	-J [- 2:125	HI LIMIT

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:7/111	-J [- 2:125	CNFG ERROR
I:7/123	-J/[- 2:126	T/C ENABLE
I:7/124	-J [- 2:126	OPEN T/C
I:7/125	-J [- 2:126	LO LIMIT
I:7/126	-J [- 2:126	HI LIMIT
I:7/127	-J [- 2:126	CNFG ERROR
I:8.0	TC161B -ADD- 2:91	
I:8.1	TC161C -ADD- 2:93	
I:8.2	TC162A -ADD- 2:95	
I:8.3	TC162B -ADD- 2:97	
I:8/75	-J/[- 2:127	T/C ENABLE
I:8/76	-J [- 2:127	OPEN T/C
I:8/77	-J [- 2:127	LO LIMIT
I:8/78	-J [- 2:127	HI LIMIT
I:8/79	-J [- 2:127	CNFG ERROR
I:8/91	-J/[- 2:128 2:789	T/C ENABLE
I:8/92	-J [- 2:128 2:789	OPEN T/C
I:8/93	-J [- 2:128 2:789	LO LIMIT
I:8/94	-J [- 2:128 2:789	HI LIMIT

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:8/95	-J [- 2:128	CNFG ERROR 2:789
I:8/107	-J/[- 2:129	T/C ENABLE 2:790 2:791
I:8/108	-J [- 2:129	OPEN T/C 2:790 2:791
I:8/109	-J [- 2:129	LO LIMIT 2:790 2:791
I:8/110	-J [- 2:129	HI LIMIT 2:790 2:791
I:8/111	-J [- 2:129	CNFG ERROR 2:790 2:791
I:8/123	-J/[- 2:130	T/C ENABLE 2:792
I:8/124	-J [- 2:130	OPEN T/C 2:792
I:8/125	-J [- 2:130	LO LIMIT 2:792
I:8/126	-J [- 2:130	HI LIMIT 2:792
I:8/127	-J [- 2:130	CNFG ERROR 2:792
I:9.0	TC163A -ADD-	2:99
I:9.1	TC163B -ADD-	2:101
I:9.2	TC164A -ADD-	2:103
I:9.3	TC164B -ADD-	2:105
I:9/75	-J/[- 2:337	T/C ENABLE
I:9/76	-J [- 2:337	OPEN T/C
I:9/77	-J [- 2:337	
I:9/78	-J [- 2:337	HI LIMIT

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:9/79	-] [- 2:337	CNFG ERROR
I:9/91	-] / [- 2:338	T/C ENABLE
I:9/92	-] [- 2:338	OPEN T/C
I:9/93	-] [- 2:338	LO LIMIT
I:9/94	-] [- 2:338	HI LIMIT
I:9/95	-] [- 2:338	CNFG ERROR
I:9/107	-] / [- 2:339	T/C ENABLE
I:9/108	-] [- 2:339	OPEN T/C
I:9/109	-] [- 2:339	LO LIMIT
I:9/110	-] [- 2:339	HI LIMIT
I:9/111	-] [- 2:339	CNFG ERROR
I:9/123	-] / [- 2:340	T/C ENABLE
I:9/124	-] [- 2:340	OPEN T/C
I:9/125	-] [- 2:340	LO LIMIT
I:9/126	-] [- 2:340	HI LIMIT
I:9/127	-] [- 2:340	CNFG ERROR
I:10.0	TC170B1 -ADD- 2:297	
I:10.1	TC170B2 -ADD- 2:299	
I:10.2	TC170V1 -ADD- 2:301	

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:10.3	TC170V2 -ADD- 2:303	
I:10/75	-]/[- 2:341	T/C ENABLE
I:10/76	-] [- 2:341	OPEN T/C
I:10/77	-] [- 2:341	LO LIMIT
I:10/78	-] [- 2:341	HI LIMIT
I:10/79	-] [- 2:341	CNFG ERROR
I:10/91	-]/[- 2:342	T/C ENABLE
I:10/92	-] [- 2:342	OPEN T/C
I:10/93	-] [- 2:342	LO LIMIT
I:10/94	-] [- 2:342	HI LIMIT
I:10/95	-] [- 2:342	CNFG ERROR
I:10/107	-]/[- 2:343	T/C ENABLE
I:10/108	-] [- 2:343	OPEN T/C
I:10/109	-] [- 2:343	LO LIMIT
I:10/110	-] [- 2:343	HI LIMIT
I:10/111	-] [- 2:343	CNFG ERROR
I:10/123	-]/[- 2:344	T/C ENABLE
I:10/124	-] [- 2:344	OPEN T/C
I:10/125	-] [- 2:344	LO LIMIT

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Cross Reference

Processor File: SODIUM2A.ACH

Address	Symbol / Instruction	Comment / File Number:Rung Number
I:10/126	-] [- 2:344	HI LIMIT
I:10/127	-] [- 2:344	CNFG ERROR
I:11.0	TC171B1 -ADD- 2:305	
I:11.1	TC171B2 -ADD- 2:307	
I:11.2	TC171V1 -ADD- 2:309	
I:11.3	TC171V2 -ADD- 2:311	
I:11/75	-] / [- 2:345	T/C ENABLE
I:11/76	-] [- 2:345	OPEN T/C
I:11/77	-] [- 2:345	LO LIMIT
I:11/78	-] [- 2:345	HI LIMIT
I:11/79	-] [- 2:345	CNFG ERROR
I:11/91	-] / [- 2:346	T/C ENABLE
I:11/92	-] [- 2:346	OPEN T/C
I:11/93	-] [- 2:346	LO LIMIT
I:11/94	-] [- 2:346	HI LIMIT
I:11/95	-] [- 2:346	CNFG ERROR
I:11/107	-] / [- 2:347	T/C ENABLE
I:11/108	-] [- 2:347	OPEN T/C
I:11/109	-] [- 2:347	LO LIMIT

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:11/110	-J [- 2:347	HI LIMIT
I:11/111	-J [- 2:347	CNFG ERROR
I:11/123	-J/[- 2:348	T/C ENABLE
I:11/124	-J [- 2:348	OPEN T/C
I:11/125	-J [- 2:348	LO LIMIT
I:11/126	-J [- 2:348	HI LIMIT
I:11/127	-J [- 2:348	CNFG ERROR
I:12.0	TC172B1 -ADD- 2:313	
I:12.1	TC172B2 -ADD- 2:315	
I:12.2	TC172V1 -ADD- 2:317	
I:12.3	TC172V2 -ADD- 2:319	
I:12/75	-J/[- 2:349	T/C ENABLE
I:12/76	-J [- 2:349	OPEN T/C
I:12/77	-J [- 2:349	LO LIMIT
I:12/78	-J [- 2:349	HI LIMIT
I:12/79	-J [- 2:349	CNFG ERROR
I:12/91	-J/[- 2:350	T/C ENABLE
I:12/92	-J [- 2:350	OPEN T/C
I:12/93	-J [- 2:350	LO LIMIT

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:12/94	-1 [- 2:350	HI LIMIT
I:12/95	-1 [- 2:350	CNFG ERROR
I:12/107	-1/[- 2:351	T/C ENABLE
I:12/108	-1 [- 2:351	OPEN T/C
I:12/109	-1 [- 2:351	LO LIMIT
I:12/110	-1 [- 2:351	HI LIMIT
I:12/111	-1 [- 2:351	CNFG ERROR
I:12/123	-1/[- 2:352	T/C ENABLE
I:12/124	-1 [- 2:352	OPEN T/C
I:12/125	-1 [- 2:352	LO LIMIT
I:12/126	-1 [- 2:352	HI LIMIT
I:12/127	-1 [- 2:352	CNFG ERROR
I:13.0	TC173B1 -ADD- 2:321	
I:13.1	TC173B2 -ADD- 2:323	
I:13.2	TC173V1 -ADD- 2:325	
I:13.3	TC173V2 -ADD- 2:327	
I:13/75	-1/[- 2:353	T/C ENABLE
I:13/76	-1 [- 2:353	OPEN T/C
I:13/77	-1 [- 2:353	LO LIMIT

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Cross Reference

Processor File: SODIUM2A.ACH

Address	Symbol / Instruction	Comment / File Number:Rung Number
I:13/78	-J [- 2:353	HI LIMIT
I:13/79	-J [- 2:353	CNFG ERROR
I:13/91	-J/[- 2:354	T/C ENABLE
I:13/92	-J [- 2:354	OPEN T/C
I:13/93	-J [- 2:354	LO LIMIT
I:13/94	-J [- 2:354	HI LIMIT
I:13/95	-J [- 2:354	CNFG ERROR
I:13/107	-J/[- 2:355	T/C ENABLE
I:13/108	-J [- 2:355	OPEN T/C
I:13/109	-J [- 2:355	LO LIMIT
I:13/110	-J [- 2:355	HI LIMIT
I:13/111	-J [- 2:355	CNFG ERROR
I:13/123	-J/[- 2:356	T/C ENABLE
I:13/124	-J [- 2:356	OPEN T/C
I:13/125	-J [- 2:356	LO LIMIT
I:13/126	-J [- 2:356	HI LIMIT
I:13/127	-J [- 2:356	CNFG ERROR
I:14.0	TC174B1 -ADD- 2:329	
I:14.1	TC174B2 -ADD- 2:331	

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:14.2	TC174V1 -ADD- 2:333	
I:14.3	TC174V2 -ADD- 2:335	
I:14/75	-J/[- 2:357	T/C ENABLE
I:14/76	-J [- 2:357	OPEN T/C
I:14/77	-J [- 2:357	LO LIMIT
I:14/78	-J [- 2:357	HI LIMIT
I:14/79	-J [- 2:357	CNFG ERROR
I:14/91	-J/[- 2:358	T/C ENABLE
I:14/92	-J [- 2:358	OPEN T/C
I:14/93	-J [- 2:358	LO LIMIT
I:14/94	-J [- 2:358	HI LIMIT
I:14/95	-J [- 2:358	CNFG ERROR
I:14/107	-J/[- 2:359	T/C ENABLE
I:14/108	-J [- 2:359	OPEN T/C
I:14/109	-J [- 2:359	LO LIMIT
I:14/110	-J [- 2:359	HI LIMIT
I:14/111	-J [- 2:359	CNFG ERROR
I:14/123	-J/[- 2:360	T/C ENABLE
I:14/124	-J [- 2:360	OPEN T/C

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:14/125	-J [- 2:360	LO LIMIT
I:14/126	-J [- 2:360	HI LIMIT
I:14/127	-J [- 2:360	CNFG ERROR
I:15.0	TC175B1 -ADD- 2:549	
I:15.1	TC175B2 -ADD- 2:551	
I:15.2	TC175V1 -ADD- 2:553	
I:15.3	TC175V2 -ADD- 2:555	
I:15/75	-J/[- 2:585	T/C ENABLE
I:15/76	-J [- 2:585	OPEN T/C
I:15/77	-J [- 2:585	LO LIMIT
I:15/78	-J [- 2:585	HI LIMIT
I:15/79	-J [- 2:585	CNFG ERROR
I:15/91	-J/[- 2:586	T/C ENABLE
I:15/92	-J [- 2:586	OPEN T/C
I:15/93	-J [- 2:586	LO LIMIT
I:15/94	-J [- 2:586	HI LIMIT
I:15/95	-J [- 2:586	CNFG ERROR
I:15/107	-J/[- 2:587	T/C ENABLE
I:15/108	-J [- 2:587	OPEN T/C

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:15/109	-] [- 2:587	LO LIMIT
I:15/110	-] [- 2:587	HI LIMIT
I:15/111	-] [- 2:587	CNFG ERROR
I:15/123	-]/[- 2:588	T/C ENABLE
I:15/124	-] [- 2:588	OPEN T/C
I:15/125	-] [- 2:588	LO LIMIT
I:15/126	-] [- 2:588	HI LIMIT
I:15/127	-] [- 2:588	CNFG ERROR
I:16.0	TC176B1 -ADD- 2:557	
I:16.1	TC176B2 -ADD- 2:559	
I:16.2	TC176V1 -ADD- 2:561	
I:16.3	TC176V2 -ADD- 2:563	
I:16/75	-]/[- 2:589	T/C ENABLE
I:16/76	-] [- 2:589	OPEN T/C
I:16/77	-] [- 2:589	LO LIMIT
I:16/78	-] [- 2:589	HI LIMIT
I:16/79	-] [- 2:589	CNFG ERROR
I:16/91	-]/[- 2:590	T/C ENABLE
I:16/92	-] [- 2:590	OPEN T/C

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:16/93	-J [- 2:590	LO LIMIT
I:16/94	-J [- 2:590	HI LIMIT
I:16/95	-J [- 2:590	CNFG ERROR
I:16/107	-J/[- 2:591	T/C ENABLE
I:16/108	-J [- 2:591	OPEN T/C
I:16/109	-J [- 2:591	LO LIMIT
I:16/110	-J [- 2:591	HI LIMIT
I:16/111	-J [- 2:591	CNFG ERROR
I:16/123	-J/[- 2:592	T/C ENABLE
I:16/124	-J [- 2:592	OPEN T/C
I:16/125	-J [- 2:592	LO LIMIT
I:16/126	-J [- 2:592	HI LIMIT
I:16/127	-J [- 2:592	CNFG ERROR
I:17.0	TC177B1 -ADD- 2:565	
I:17.1	TC177B2 -ADD- 2:567	
I:17.2	TC177V1 -ADD- 2:569	
I:17.3	TC177V2 -ADD- 2:571	
I:17/75	-J/[- 2:593	T/C ENABLE
I:17/76	-J [- 2:593	OPEN T/C

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:17/77	-J [- 2:593	LO LIMIT
I:17/78	-J [- 2:593	HI LIMIT
I:17/79	-J [- 2:593	CNFG ERROR
I:17/91	-J/[- 2:594	T/C ENABLE
I:17/92	-J [- 2:594	OPEN T/C
I:17/93	-J [- 2:594	LO LIMIT
I:17/94	-J [- 2:594	HI LIMIT
I:17/95	-J [- 2:594	CNFG ERROR
I:17/107	-J/[- 2:595	T/C ENABLE
I:17/108	-J [- 2:595	OPEN T/C
I:17/109	-J [- 2:595	LO LIMIT
I:17/110	-J [- 2:595	HI LIMIT
I:17/111	-J [- 2:595	CNFG ERROR
I:17/123	-J/[- 2:596	T/C ENABLE
I:17/124	-J [- 2:596	OPEN T/C
I:17/125	-J [- 2:596	LO LIMIT
I:17/126	-J [- 2:596	HIGH LIMIT
I:17/127	-J [- 2:596	CNFG ERROR
I:18.0	TC178B1 -ADD- 2:573	

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:18.1	TC178B2 -ADD- 2:575	
I:18.2	TC178V1 -ADD- 2:577	
I:18.3	TC178V2 -ADD- 2:579	
I:18/75	-J/[- 2:597	T/C ENABLE
I:18/76	-J [- 2:597	OPEN T/C
I:18/77	-J [- 2:597	LO LIMIT
I:18/78	-J [- 2:597	HI LIMIT
I:18/79	-J [- 2:597	CNFG ERROR
I:18/91	-J/[- 2:598	T/C ENABLE
I:18/92	-J [- 2:598	OPEN T/C
I:18/93	-J [- 2:598	LO LIMIT
I:18/94	-J [- 2:598	HI LIMIT
I:18/95	-J [- 2:598	CNFG ERROR
I:18/107	-J/[- 2:599	T/C ENABLE
I:18/108	-J [- 2:599	OPEN T/C
I:18/109	-J [- 2:599	LO LIMIT
I:18/110	-J [- 2:599	HI LIMIT
I:18/111	-J [- 2:599	CNFG ERROR
I:18/123	-J/[- 2:600	T/C ENABLE

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:18/124	-J [- 2:600	OPEN T/C
I:18/125	-J [- 2:600	LO LIMIT
I:18/126	-J [- 2:600	HI LIMIT
I:18/127	-J [- 2:600	CNFG ERROR
I:19.0	TC179B1 -ADD- 2:581	
I:19.1	TC179B2 -ADD- 2:583	
I:19.2	TC179V1 -ADD- 2:747	
I:19.3	TC179V2 -ADD- 2:749	
I:19/75	-J/[- 2:601	T/C ENABLE
I:19/76	-J [- 2:601	OPEN T/C
I:19/77	-J [- 2:601	LO LIMIT
I:19/78	-J [- 2:601	HI LIMIT
I:19/79	-J [- 2:601	CNFG ERROR
I:19/91	-J/[- 2:602	T/C ENABLE
I:19/92	-J [- 2:602	OPEN T/C
I:19/93	-J [- 2:602	LO LIMIT
I:19/94	-J [- 2:602	HI LIMIT
I:19/95	-J [- 2:602	CNFG ERROR
I:19/107	-J/[- 2:783	T/C ENABLE

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:19/108	-J [- 2:783	OPEN T/C
I:19/109	-J [- 2:783	LO LIMIT
I:19/110	-J [- 2:783	HIGH LIMIT
I:19/111	-J [- 2:783	CNFG ERROR
I:19/123	-J/(- 2:784	T/C ENABLE
I:19/124	-J [- 2:784	OPEN T/C
I:19/125	-J [- 2:784	LO LIMIT
I:19/126	-J [- 2:784	HIGH LIMIT
I:19/127	-J [- 2:784	CNFG ERROR
I:20.0	TC180B1 -ADD- 2:751	
I:20.1	TC180B2 -ADD- 2:753	
I:20.2	TC180V1 -ADD- 2:755	
I:20.3	TC180V2 -ADD- 2:757	
I:20/75	-J/(- 2:785	T/C ENABLE
I:20/76	-J [- 2:785	OPEN T/C
I:20/77	-J [- 2:785	LO LIMIT
I:20/78	-J [- 2:785	HIGH LIMIT
I:20/79	-J [- 2:785	CNFG ERROR
I:20/91	-J/(- 2:786	T/C ENABLE

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Address	Symbol / Instruction	Comment / File Number:Rung Number
I:20/92	-1 [- 2:786	OPEN T/C
I:20/93	-1 [- 2:786	LO LIMIT
I:20/94	-1 [- 2:786	HIGH LIMIT
I:20/95	-1 [- 2:786	CNFG ERROR
I:20/107	-1/[- 2:787	T/C ENABLE
I:20/108	-1 [- 2:787	OPEN T/C
I:20/109	-1 [- 2:787	LO LIMIT
I:20/110	-1 [- 2:787	HIGH LIMIT
I:20/111	-1 [- 2:787	CNFG ERROR
I:20/123	-1/[- 2:788	T/C ENABLE
I:20/124	-1 [- 2:788	OPEN T/C
I:20/125	-1 [- 2:788	LO LIMIT
I:20/126	-1 [- 2:788	HIGH LIMIT
I:20/127	-1 [- 2:788	CNFG ERROR
I:21.0	TC181B1 -ADD- 2:759	
I:21.1	TC181B2 -ADD- 2:761	
I:21.2	TC181V1 -ADD- 2:763	
I:21.3	TC181V2 -ADD- 2:765	
I:22.0	TC182B1 -ADD- 2:767	

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Cross Reference

Processor File: SODIUM2A.ACH

Address	Symbol / Instruction	Comment / File Number:Rung Number
I:22.1	TC182B2 -ADD- 2:769	HNF-SD-FF-CSWD-60Rev.0
I:22.2	TC182V1 -ADD- 2:771	Page 131
I:22.3	TC182V2 -ADD- 2:773	
I:23.0	TC183B1 -ADD- 2:775	
I:23.1	TC183B2 -ADD- 2:777	
I:23.2	TC183V1 -ADD- 2:779	
I:23.3	TC183V2 -ADD- 2:781	
N7:0	CONFIGURE -FLL- 3:1 3:2 3:3 3:4 3:5 3:6 3:7 3:8 3:9 3:10 3:11 3:12 3:13 3:14 3:15 3:16 3:17 3:18 3:19 3:20 3:21 -MOV- 3:0	

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
C143A	AA	ZONE 143A	DEV2:N7:1	3D0	ADD 2:51 2:170 GRT 2:52 2:134 LES 2:134 MOV 2:52
C143B	AA	ZONE 143B	DEV2:N7:2	3D3	ADD 2:53 2:171 GRT 2:54 2:135 LES 2:135 MOV 2:54
C144A	AA	ZONE 144A	DEV2:N7:3	3D6	ADD 2:55 2:174 GRT 2:56 2:137 LES 2:137 MOV 2:56
C144B	AA	ZONE 144B	DEV2:N7:4	3D9	ADD 2:57 2:175 GRT 2:58 2:138 LES 2:138 MOV 2:58
C150A	AA	ZONE 150A	DEV2:N7:5	3E0	ADD 2:59 2:178 GRT 2:60 2:140 LES 2:140 MOV 2:60
C150B	AA	ZONE 150B	DEV2:N7:6	3E3	ADD 2:61 2:179 GRT 2:62 2:141 LES 2:141 MOV 2:62
C150C	AA	ZONE 150C	DEV2:N7:7	3E6	ADD 2:63 2:180 GRT 2:64 2:142 LES 2:142 MOV 2:64
C151A	AA	ZONE 151A	DEV2:N7:8	3E9	ADD 2:65 2:183 GRT 2:66 2:144 LES 2:144 MOV 2:66
C151B	AA	ZONE 151B	DEV2:N7:9	3F0	ADD 2:67 2:184 GRT 2:68 2:145 LES 2:145 MOV 2:68
C151C	AA	ZONE 151C	DEV2:N7:10	3F3	ADD 2:69 2:185 GRT 2:70 2:146 LES 2:146 MOV 2:70
C152A	AA	ZONE 152A	DEV2:N7:11	3F6	ADD 2:71 2:188 GRT 2:72 2:148 LES 2:148 MOV 2:72
C152B	AA	ZONE 152B	DEV2:N7:12	3F9	ADD 2:73 2:189 GRT 2:74 2:149 LES 2:149 MOV 2:74
C153A	AA	ZONE 153A	DEV2:N7:13	3G0	ADD 2:75 2:192

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
					GRT 2:76 2:151
					LES 2:151
					MOV 2:76
C153B	AA	ZONE 153B	DEV2:N7:14	3G3	ADD 2:77 2:193
					GRT 2:78 2:152
					LES 2:152
					MOV 2:78
C154A	AA	ZONE 154A	DEV2:N7:15	3G6	ADD 2:79 2:196
					GRT 2:80 2:154
					LES 2:154
					MOV 2:80
C154B	AA	ZONE 154B	DEV2:N7:16	3G9	ADD 2:81 2:197
					GRT 2:82 2:155
					LES 2:155
					MOV 2:82
C160A	AA	ZONE 160A	DEV2:N7:17	3H0	ADD 2:83 2:200
					GRT 2:84 2:157
					LES 2:157
					MOV 2:84
C160B	AA	ZONE 160B	DEV2:N7:18	3H3	ADD 2:85 2:201
					GRT 2:86 2:158
					LES 2:158
					MOV 2:86
C160C	AA	ZONE 160C	DEV2:N7:19	3H6	ADD 2:87 2:202
					GRT 2:88 2:159
					LES 2:159
					MOV 2:88
C161A	AA	ZONE 161A	DEV2:N7:20	3H9	ADD 2:89 2:205
					GRT 2:90 2:161
					LES 2:161
					MOV 2:90
C161B	AA	ZONE 161B	DEV2:N7:21	3I0	ADD 2:91 2:206
					GRT 2:92 2:162
					LES 2:162
					MOV 2:92
C161C	AA	ZONE 161C	DEV2:N7:22	3I3	ADD 2:93 2:207
					GRT 2:94 2:163
					LES 2:163
					MOV 2:94
C162A	AA	ZONE 162A	DEV2:N7:23	3I6	ADD 2:95 2:210
					GRT 2:96 2:165
					LES 2:165
					MOV 2:96
C162B	AA	ZONE 162B	DEV2:N7:24	3I9	ADD 2:97 2:211
					GRT 2:98 2:166
					LES 2:166
					MOV 2:98
C163A	AA	ZONE 163A	DEV2:N7:25	3J0	ADD 2:99 2:402
					GRT 2:100 2:364

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
					LES 2:364
					MOV 2:100
C163B	AA	ZONE 163B	DEV2:N7:26	3J3	ADD 2:101 2:403
					GRT 2:102 2:365
					LES 2:365
					MOV 2:102
C164A	AA	ZONE 164A	DEV2:N7:27	3J6	ADD 2:103 2:406
					GRT 2:104 2:367
					LES 2:367
					MOV 2:104
C164B	AA	ZONE 164B	DEV2:N7:28	3J9	ADD 2:105 2:407
					GRT 2:106 2:368
					LES 2:368
					MOV 2:106
C170B1	AA	ZONE 170B1	DEV2:N7:29	3K0	ADD 2:297 2:410
					GRT 2:298 2:370
					LES 2:370
					MOV 2:298
C170B2	AA	ZONE 170B2	DEV2:N7:30	3K3	ADD 2:299 2:411
					GRT 2:300 2:371
					LES 2:371
					MOV 2:300
C170V1	AA	ZONE 170V1	DEV2:N7:31	3K6	ADD 2:301 2:414
					GRT 2:302 2:373
					LES 2:373
					MOV 2:302
C170V2	AA	ZONE 170V2	DEV2:N7:32	3K9	ADD 2:303 2:415
					GRT 2:304 2:374
					LES 2:374
					MOV 2:304
C171B1	AA	ZONE 171B1	DEV2:N7:33	3L0	ADD 2:305 2:418
					GRT 2:306 2:376
					LES 2:376
					MOV 2:306
C171B2	AA	ZONE 171B2	DEV2:N7:34	3L3	ADD 2:307 2:419
					GRT 2:308 2:377
					LES 2:377
					MOV 2:308
C171V1	AA	ZONE 171V1	DEV2:N7:35	3L6	ADD 2:309 2:422
					GRT 2:310 2:379
					LES 2:379
					MOV 2:310
C171V2	AA	ZONE 171V2	DEV2:N7:36	3L9	ADD 2:311 2:423
					GRT 2:312 2:380
					LES 2:380
					MOV 2:312
C172B1	AA	ZONE 172B1	DEV2:N7:37	3M0	ADD 2:313 2:426
					GRT 2:314 2:376 2:382
					LES 2:376 2:382

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
C172B2	AA	ZONE 172B2	DEV2:N7:38	3M3	MOV 2:314
					ADD 2:315 2:427
					GRT 2:316 2:383
					LES 2:383
					MOV 2:316
C172V1	AA	ZONE 172V1	DEV2:N7:39	3M6	ADD 2:317 2:430
					GRT 2:318 2:385
					LES 2:385
					MOV 2:318
					ADD 2:319 2:431
C172V2	AA	ZONE 172V2	DEV2:N7:40	3M9	GRT 2:320 2:386
					LES 2:386
					MOV 2:320
					ADD 2:321 2:434
					GRT 2:322 2:388
C173B1	AA	ZONE 173B1	DEV2:N7:41	4A0	LES 2:388
					MOV 2:322
					ADD 2:323 2:435
					GRT 2:324 2:389
					LES 2:389
C173B2	AA	ZONE 173B2	DEV2:N7:42	4A3	MOV 2:324
					ADD 2:325 2:438
					GRT 2:326 2:391
					LES 2:391
					MOV 2:326
C173V1	AA	ZONE 173V1	DEV2:N7:43	4A6	ADD 2:327 2:439
					GRT 2:328 2:392
					LES 2:392
					MOV 2:328
					ADD 2:329 2:442
C173V2	AA	ZONE 173V2	DEV2:N7:44	4A9	GRT 2:330 2:394
					LES 2:394
					MOV 2:330
					ADD 2:331 2:443
					GRT 2:332 2:395
C174B1	AA	ZONE 174B1	DEV2:N7:45	4B0	LES 2:395
					MOV 2:332
					ADD 2:333 2:446
					GRT 2:334 2:397
					LES 2:397
C174B2	AA	ZONE 174B2	DEV2:N7:46	4B3	MOV 2:334
					ADD 2:335 2:447
					GRT 2:336 2:398
					LES 2:398
					MOV 2:336
C174V1	AA	ZONE 174V1	DEV2:N7:47	4B6	ADD 2:549 2:635
					GRT 2:550 2:606
					LES 2:606
					MOV 2:550
					ADD 2:550 2:606
C174V2	AA	ZONE 174V2	DEV2:N7:48	4B9	GRT 2:550 2:606
					LES 2:606
					MOV 2:550
					ADD 2:550 2:606
					GRT 2:550 2:606
C175B1	AA	ZONE 175B1	DEV2:N7:49	4C0	LES 2:606
					MOV 2:550
					ADD 2:549 2:635
					GRT 2:550 2:606
					LES 2:606

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
C175B2	AA	ZONE 175B2	DEV2:N7:50	4C3	ADD 2:551 2:636 GRT 2:552 2:607 LES 2:607 MOV 2:552
C175V1	AA	ZONE 175V1	DEV2:N7:51	4C6	ADD 2:553 2:639 GRT 2:554 2:609 LES 2:609 MOV 2:554
C175V2	AA	ZONE 175V2	DEV2:N7:52	4C9	ADD 2:555 2:640 GRT 2:556 2:610 LES 2:610 MOV 2:556
C176B1	AA	ZONE 176B1	DEV2:N7:53	4D0	ADD 2:557 2:643 GRT 2:558 2:612 LES 2:612 MOV 2:558
C176B2	AA	ZONE 176B2	DEV2:N7:54	4D3	ADD 2:559 2:644 GRT 2:560 2:613 LES 2:613 MOV 2:560
C176V1	AA	ZONE 176V1	DEV2:N7:55	4D6	ADD 2:561 2:647 GRT 2:562 2:615 LES 2:615 MOV 2:562
C176V2	AA	ZONE 176V2	DEV2:N7:56	4D9	ADD 2:563 2:648 GRT 2:564 2:616 LES 2:616 MOV 2:564
C177B1	AA	ZONE 177B1	DEV2:N7:57	4E0	ADD 2:565 2:651 GRT 2:566 2:618 LES 2:618 MOV 2:566
C177B2	AA	ZONE 177B2	DEV2:N7:58	4E3	ADD 2:567 2:652 GRT 2:568 2:619 LES 2:619 MOV 2:568
C177V1	AA	ZONE 177V1	DEV2:N7:59	4E6	ADD 2:569 2:655 GRT 2:570 2:621 LES 2:621 MOV 2:570
C177V2	AA	ZONE 177V2	DEV2:N7:60	4E9	ADD 2:571 2:656 GRT 2:572 2:622 LES 2:622 MOV 2:572
C178B1	AA	ZONE 178B1	DEV2:N7:61	4F0	ADD 2:573 2:659 GRT 2:574 2:624 LES 2:624 MOV 2:574
C178B2	AA	ZONE 178B2	DEV2:N7:62	4F3	ADD 2:575 2:660

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
					GRT 2:576 2:625
					LES 2:625
					MOV 2:576
C178V1	AA	ZONE 178V1	DEV2:N7:63	4F6	ADD 2:577 2:663
					GRT 2:578 2:627
					LES 2:627
					MOV 2:578
C178V2	AA	ZONE 178V2	DEV2:N7:64	4F9	ADD 2:579 2:664
					GRT 2:580 2:628
					LES 2:628
					MOV 2:580
C179B1	AA	ZONE 179B1	DEV2:N7:65	4G0	ADD 2:581 2:667
					GRT 2:582 2:630
					LES 2:630
					MOV 2:582
C179B2	AA	ZONE 179B2	DEV2:N7:66	4G3	ADD 2:583 2:668
					GRT 2:584 2:631
					LES 2:631
					MOV 2:584
C179V1	AA	ZONE 179V1	DEV2:N7:67	4G6	ADD 2:747 2:833
					GRT 2:748 2:804
					LES 2:804
					MOV 2:748
C179V2	AA	ZONE 179V2	DEV2:N7:68	4G9	ADD 2:749 2:834
					GRT 2:750 2:805
					LES 2:805
					MOV 2:750
C180B1	AA	ZONE 180B1	DEV2:N7:69	4H0	ADD 2:751 2:837
					GRT 2:752 2:807
					LES 2:807
					MOV 2:752
C180B2	AA	ZONE 180B2	DEV2:N7:70	4H3	ADD 2:753 2:838
					GRT 2:754 2:808
					LES 2:808
					MOV 2:754
C180V1	AA	ZONE 180V1	DEV2:N7:71	4H6	ADD 2:755 2:841
					GRT 2:756 2:810
					LES 2:810
					MOV 2:756
C180V2	AA	ZONE 180V2	DEV2:N7:72	4H9	ADD 2:757 2:842
					GRT 2:758 2:811
					LES 2:811
					MOV 2:758
C181B1	AA	ZONE 181B1	DEV2:N7:73	4I0	ADD 2:759 2:845
					GRT 2:760 2:813
					LES 2:813
					MOV 2:760
C181B2	AA	ZONE 181B2	DEV2:N7:74	4I3	ADD 2:761 2:846
					GRT 2:762 2:814

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
					LES 2:814
					MOV 2:762
C181V1	AA	ZONE 181V1	DEV2:N7:75	4I6	ADD 2:763 2:849
					GRT 2:764 2:816
					LES 2:816
					MOV 2:764
C181V2	AA	ZONE 181V2	DEV2:N7:76	4I9	ADD 2:765 2:850
					GRT 2:766 2:817
					LES 2:817
					MOV 2:766
C182B1	AA	ZONE 182B1	DEV2:N7:77	4J0	ADD 2:767 2:853
					GRT 2:768 2:819
					LES 2:819
					MOV 2:768
C182B2	AA	ZONE 182B2	DEV2:N7:78	4J3	ADD 2:769 2:854
					GRT 2:770 2:820
					LES 2:820
					MOV 2:770
C182V1	AA	ZONE 182V1	DEV2:N7:79	4J6	ADD 2:771 2:857
					GRT 2:772 2:822
					LES 2:822
					MOV 2:772
C182V2	AA	ZONE 182V2	DEV2:N7:81	4J9	ADD 2:773 2:858
					GRT 2:774 2:823
					LES 2:823
					MOV 2:774
C183B1	AA	ZONE 183B1	DEV2:N7:80	4K0	ADD 2:775 2:861
					GRT 2:776 2:825
					LES 2:825
					MOV 2:776
C183B2	AA	ZONE 183B2	DEV2:N7:82	4K3	ADD 2:777 2:862
					GRT 2:778 2:826
					LES 2:826
					MOV 2:778
C183V1	AA	ZONE 183V1	DEV2:N7:83	4K6	ADD 2:779 2:865
					GRT 2:780 2:828
					LES 2:828
					MOV 2:780
C183V2	AA	ZONE 183V2	DEV2:N7:84	4K9	ADD 2:781 2:866
					GRT 2:782 2:829
					LES 2:829
					MOV 2:782
COM2	AA	COM FAIL PLC 2	DEV2:N10:89		

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
AV143	AI	ZONE 143 Average	DEV2:N7:91	4L00	ADD 2:133 DIV 2:172 MOV 2:4 2:4 2:215 PID 2:220 SUB 2:133
AV144	AI	ZONE 144 Average	DEV2:N7:92	4L01	ADD 2:136 DIV 2:176 MOV 2:5 2:5 2:223 PID 2:228 SUB 2:136
AV150	AI	ZONE 150 Average	DEV2:N7:93	4L02	ADD 2:139 DIV 2:181 MOV 2:6 2:6 2:231 PID 2:236 SUB 2:139
AV151	AI	ZONE 151 Average	DEV2:N7:94	4L03	ADD 2:143 DIV 2:186 MOV 2:7 2:7 2:239 PID 2:244 SUB 2:143
AV152	AI	ZONE 152 Average	DEV2:N7:95	4L04	ADD 2:147 DIV 2:190 MOV 2:8 2:8 2:247 PID 2:252 SUB 2:147
AV153	AI	ZONE 153 Average	DEV2:N7:96	4L05	ADD 2:150 DIV 2:194 MOV 2:9 2:9 2:255 PID 2:260 SUB 2:150
AV154	AI	ZONE 154 Average	DEV2:N7:97	4L06	ADD 2:153 DIV 2:198 MOV 2:10 2:10 2:263 PID 2:268 SUB 2:153
AV160	AI	ZONE 160 Average	DEV2:N7:98	4L07	ADD 2:156 DIV 2:203 MOV 2:11 2:11 2:271 PID 2:276 SUB 2:156
AV161	AI	ZONE 161 Average	DEV2:N7:99	4L08	ADD 2:160 DIV 2:208 MOV 2:12 2:12 2:279 PID 2:284 SUB 2:160
AV162	AI	ZONE 162 Average	DEV2:N7:100	4L09	ADD 2:164 DIV 2:212 MOV 2:13 2:13 2:288 PID 2:293 SUB 2:164
AV163	AI	ZONE 163 Average	DEV2:N7:101	4L10	ADD 2:363

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
					DIV 2:404
					MOV 2:14 2:14 2:451
					PID 2:456
AV164	AI	ZONE 164 Average	DEV2:N7:102	4L11	SUB 2:363
					ADD 2:366
					DIV 2:408
					MOV 2:15 2:15 2:459
					PID 2:464
AV_170B	AI	ZONE 170Bonnet	DEV2:N7:103	4L12	SUB 2:366
					ADD 2:369
					DIV 2:412
					MOV 2:16 2:16 2:467
					PID 2:472
AV_170V	AI	ZONE 170 Valve Bod	DEV2:N7:104	4L13	SUB 2:369
					ADD 2:372
					DIV 2:416
					MOV 2:17 2:17 2:475
					PID 2:480
AV_171B	AI	ZONE 171Bonnet	DEV2:N7:105	4L14	SUB 2:372
					ADD 2:375
					DIV 2:420
					MOV 2:18 2:18 2:483
					PID 2:488
AV_171V	AI	ZONE 171 Valve Bod	DEV2:N7:106	4L15	SUB 2:375
					ADD 2:378
					DIV 2:424
					MOV 2:19 2:19 2:491
					PID 2:496
AV_172B	AI	ZONE 172Bonnet	DEV2:N7:107	4L16	SUB 2:378
					ADD 2:381
					DIV 2:481
					MOV 2:20 2:20 2:499
					PID 2:504
AV_172V	AI	ZONE 172 Valve Bod	DEV2:N7:108	4L17	SUB 2:381
					ADD 3:384
					DIV 2:432
					MOV 2:21 2:21 2:507
					PID 2:512
AV_173B	AI	ZONE 173Bonnet	DEV2:N7:109	4L18	SUB 3:384
					ADD 2:387
					DIV 2:436
					MOV 2:22 2:22 2:515
					PID 2:520
AV_173V	AI	ZONE 173 Valve Bod	DEV2:N7:110	4L19	SUB 2:387
					ADD 2:390
					DIV 2:440
					MOV 2:523
					PID 2:528
AV_174B	AI	ZONE 174Bonnet	DEV2:N7:111	4L20	SUB 2:390
					ADD 2:393
					DIV 2:444

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
					MOV 2:531
					PID 2:536
					SUB 2:393
AV_174V	AI	ZONE 174 Valve Bod	DEV2:N7:112	4L21	ADD 2:396
					DIV 2:448
					MOV 2:23 2:23 2:540
					PID 2:545
					SUB 2:396
AV_175B	AI	ZONE 175Bonnet	DEV2:N7:113	4L22	ADD 2:605
					DIV 2:637
					MOV 2:24 2:24 2:673
					PID 2:678
					SUB 2:605
AV_175V	AI	ZONE 175 Valve Bod	DEV2:N7:114	4L23	ADD 2:608
					DIV 2:641
					MOV 2:25 2:25 2:681
					PID 2:686
					SUB 2:608
AV_176B	AI	ZONE 176Bonnet	DEV2:N7:115	4L24	ADD 2:611
					DIV 2:645
					MOV 2:26 2:26 2:689
					PID 2:694
					SUB 2:611
AV_176V	AI	ZONE 176 Valve Bod	DEV2:N7:116	4L25	ADD 2:614
					DIV 2:649
					MOV 2:27 2:27 2:697
					PID 2:702
					SUB 2:614
AV_177B	AI	ZONE 177Bonnet	DEV2:N7:117	4L26	ADD 2:617
					DIV 2:653
					MOV 2:28 2:28 2:705
					PID 2:710
					SUB 2:617
AV_177V	AI	ZONE 177 Valve Bod	DEV2:N7:118	4L27	ADD 2:620
					DIV 2:657
					MOV 2:29 2:29 2:713
					PID 2:718
					SUB 2:620
AV_178B	AI	ZONE 178Bonnet	DEV2:N7:119	4L28	ADD 2:623
					DIV 2:661
					MOV 2:30 2:30 2:721
					PID 2:726
					SUB 2:623
AV_178V	AI	ZONE 178 Valve Bod	DEV2:N7:120	4L29	ADD 2:626
					DIV 2:665
					MOV 2:729
					PID 2:734
					SUB 2:626
AV_179B	AI	ZONE 179Bonnet	DEV2:N7:121	4L30	ADD 2:629
					DIV 2:669
					MOV 2:737

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
AV_179V	AI	ZONE 179 Valve Bod	DEV2:N7:122	4L31	PID 2:743
					SUB 2:629
					ADD 2:803
					DIV 2:835
					MOV 2:31 2:31 2:871
AV_180B	AI	ZONE 180Bonnet	DEV2:N7:123	4M00	PID 2:876
					SUB 2:803
					ADD 2:806
					DIV 2:839
					MOV 2:32 2:32 2:879
AV_180V	AI	ZONE 180 Valve Bod	DEV2:N7:124	4M01	PID 2:884
					SUB 2:806
					ADD 2:809
					DIV 2:843
					MOV 2:33 2:33 2:887
AV_181B	AI	ZONE 181Bonnet	DEV2:N7:125	4M02	PID 2:892
					SUB 2:809
					ADD 2:812
					DIV 2:847
					MOV 2:34 2:34 2:895
AV_181V	AI	ZONE 181 Valve Bod	DEV2:N7:126	4M03	PID 2:900
					SUB 2:812
					ADD 2:815
					DIV 2:851
					MOV 2:35 2:35 2:903
AV_182B	AI	ZONE 182Bonnet	DEV2:N7:127	4M04	PID 2:908
					SUB 2:815
					ADD 2:818
					DIV 2:855
					MOV 2:36 2:36 2:911
AV_182V	AI	ZONE 182 Valve Bod	DEV2:N7:128	4M05	PID 2:916
					SUB 2:818
					ADD 2:821
					DIV 2:859
					MOV 2:37 2:37 2:919
AV_183B	AI	ZONE 183Bonnet	DEV2:N7:129	4M06	PID 2:924
					SUB 2:821
					ADD 2:824
					DIV 2:863
					MOV 2:38 2:38 2:927
AV_183V	AI	ZONE 183 Valve Bod	DEV2:N7:130	4M07	PID 2:932
					SUB 2:824
					ADD 2:827
					DIV 2:867
					MOV 2:39 2:39 2:935
					PID 2:941
					SUB 2:827

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
SETRD143	AI	SET POINT READBA	DEV2:N7:131		MOV 2:219
SETRD144	AI	SET POINT READBA	DEV2:N7:132		MOV 2:227
SETRD150	AI	SET POINT READBA	DEV2:N7:133		MOV 2:235
SETRD151	AI	SET POINT READBA	DEV2:N7:134		MOV 2:243
SETRD152	AI	SET POINT READBA	DEV2:N7:135		MOV 2:251
SETRD153	AI	SET POINT READBA	DEV2:N7:136		MOV 2:259
SETRD154	AI	SET POINT READBA	DEV2:N7:137		MOV 2:267
SETRD160	AI	SET POINT READBA	DEV2:N7:138		MOV 2:275
SETRD161	AI	SET POINT READBA	DEV2:N7:139		MOV 2:283
SETRD162	AI	SET POINT READBA	DEV2:N7:140		MOV 2:292
SETRD163	AI	SET POINT READBA	DEV2:N7:141		MOV 2:455
SETRD164	AI	SET POINT READBA	DEV2:N7:142		MOV 2:463
SETRD170B	AI	SET POINT READBA	DEV2:N7:143		MOV 2:471
SETRD170V	AI	SET POINT READBA	DEV2:N7:144		MOV 2:479
SETRD171B	AI	SET POINT READBA	DEV2:N7:145		MOV 2:487
SETRD171V	AI	SET POINT READBA	DEV2:N7:146		MOV 2:495
SETRD172B	AI	SET POINT READBA	DEV2:N7:147		MOV 2:503
SETRD172V	AI	SET POINT READBA	DEV2:N7:148		MOV 2:511
SETRD173B	AI	SET POINT READBA	DEV2:N7:149		MOV 2:519
SETRD173V	AI	SET POINT READBA	DEV2:N7:150		MOV 2:527
SETRD174B	AI	SET POINT READBA	DEV2:N7:151		MOV 2:535
SETRD174V	AI	SET POINT READBA	DEV2:N7:152		MOV 2:544
SETRD175B	AI	SET POINT READBA	DEV2:N7:153		MOV 2:677
SETRD175V	AI	SET POINT READBA	DEV2:N7:154		MOV 2:685
SETRD176B	AI	SET POINT READBA	DEV2:N7:155		MOV 2:693
SETRD176V	AI	SET POINT READBA	DEV2:N7:156		MOV 2:701
SETRD177B	AI	SET POINT READBA	DEV2:N7:157		MOV 2:709
SETRD177V	AI	SET POINT READBA	DEV2:N7:158		MOV 2:717
SETRD178B	AI	SET POINT READBA	DEV2:N7:159		MOV 2:725
SETRD178V	AI	SET POINT READBA	DEV2:N7:160		MOV 2:733
SETRD179B	AI	SET POINT READBA	DEV2:N7:161		MOV 2:742
SETRD179V	AI	SET POINT READBA	DEV2:N7:162		MOV 2:875
SETRD180B	AI	SET POINT READBA	DEV2:N7:163		MOV 2:833
SETRD180V	AI	SET POINT READBA	DEV2:N7:164		MOV 2:891
SETRD181B	AI	SET POINT READBA	DEV2:N7:165		MOV 2:899
SETRD181V	AI	SET POINT READBA	DEV2:N7:166		MOV 2:907
SETRD182B	AI	SET POINT READBA	DEV2:N7:167		MOV 2:915
SETRD182V	AI	SET POINT READBA	DEV2:N7:168		MOV 2:923
SETRD183B	AI	SET POINT READBA	DEV2:N7:169		MOV 2:931
SETRD183V	AI	SET POINT READBA	DEV2:N7:170		MOV 2:940

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
D143A	DA	T/C Value Out of Ran	DEV2:N7:171/0	3D0	- /- 2:170 -() 2:134
D143B	DA	T/C Value Out of Ran	DEV2:N7:171/1	3D3	- /- 2:171 -() 2:135
D144A	DA	T/C Value Out of Ran	DEV2:N7:171/2	3D6	- /- 2:174 -() 2:137
D144B	DA	T/C Value Out of Ran	DEV2:N7:171/3	3D9	- /- 2:175 -() 2:138
D150A	DA	T/C Value Out of Ran	DEV2:N7:171/4	3E0	- /- 2:178 -() 2:140
D150B	DA	T/C Value Out of Ran	DEV2:N7:171/5	3E3	- /- 2:179 -() 2:141
D150C	DA	T/C Value Out of Ran	DEV2:N7:171/6	3E6	- /- 2:180 -() 2:142
D151A	DA	T/C Value Out of Ran	DEV2:N7:171/7	3E9	- /- 2:183 -() 2:144
D151B	DA	T/C Value Out of Ran	DEV2:N7:171/8	3F0	- /- 2:184 -() 2:145
D151C	DA	T/C Value Out of Ran	DEV2:N7:171/9	3F3	- /- 2:185 -() 2:146
D152A	DA	T/C Value Out of Ran	DEV2:N7:171/10	3F6	- /- 2:188 -() 2:148
D152B	DA	T/C Value Out of Ran	DEV2:N7:171/11	3F9	- /- 2:189 -() 2:149
D153A	DA	T/C Value Out of Ran	DEV2:N7:171/12	3G0	- /- 2:192 -() 2:151
D153B	DA	T/C Value Out of Ran	DEV2:N7:171/13	3G3	- /- 2:193 -() 2:152
D154A	DA	T/C Value Out of Ran	DEV2:N7:171/14	3G6	- /- 2:196 -() 2:154
D154B	DA	T/C Value Out of Ran	DEV2:N7:171/15	3G9	- /- 2:197 -() 2:155
D160A	DA	T/C Value Out of Ran	DEV2:N7:172/0	3H0	- /- 2:200 -() 2:157
D160B	DA	T/C Value Out of Ran	DEV2:N7:172/1	3H3	- /- 2:201 -() 2:158
D160C	DA	T/C Value Out of Ran	DEV2:N7:172/2	3H6	- /- 2:202 -() 2:159
D161A	DA	T/C Value Out of Ran	DEV2:N7:172/3	3H9	- /- 2:205 -() 2:161
D161B	DA	T/C Value Out of Ran	DEV2:N7:172/4	3I0	- /- 2:206 -() 2:162
D161C	DA	T/C Value Out of Ran	DEV2:N7:172/5	3I3	- /- 2:207 -() 2:163
D162A	DA	T/C Value Out of Ran	DEV2:N7:172/6	3I6	- /- 2:210 -() 2:165
D162B	DA	T/C Value Out of Ran	DEV2:N7:172/7	3I9	- /- 2:211 -() 2:166
D163A	DA	T/C Value Out of Ran	DEV2:N7:172/8	3J0	- /- 2:402 -() 2:364
D163B	DA	T/C Value Out of Ran	DEV2:N7:172/9	3J3	- /- 2:403

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
D164A	DA	T/C Value Out of Ran	DEV2:N7:172/10	3J6	-(-) - / - 2:365 2:406
D164B	DA	T/C Value Out of Ran	DEV2:N7:172/11	3J9	-(-) - / - 2:367 2:407
D170B1	DA	T/C Value Out of Ran	DEV2:N7:172/12	3K0	-(-) - / - 2:368 2:410
D170B2	DA	T/C Value Out of Ran	DEV2:N7:172/13	3K3	-(-) - / - 2:370 2:411
D170V1	DA	T/C Value Out of Ran	DEV2:N7:172/14	3K6	-(-) - / - 2:371 2:414
D170V2	DA	T/C Value Out of Ran	DEV2:N7:172/15	3K9	-(-) - / - 2:373 2:415
D171B1	DA	T/C Value Out of Ran	DEV2:N7:173/0	3L0	-(-) - / - 2:374 2:418
D171B2	DA	T/C Value Out of Ran	DEV2:N7:173/1	3L3	-(-) - / - 2:376 2:419
D171V1	DA	T/C Value Out of Ran	DEV2:N7:173/2	3L6	-(-) - / - 2:377 2:422
D171V2	DA	T/C Value Out of Ran	DEV2:N7:173/3	3L9	-(-) - / - 2:379 2:423
D172B1	DA	T/C Value Out of Ran	DEV2:N7:173/4	3M0	-(-) - / - 2:380 2:426
D172B2	DA	T/C Value Out of Ran	DEV2:N7:173/5	3M3	-(-) - / - 2:382 2:427
D172V1	DA	T/C Value Out of Ran	DEV2:N7:173/6	3M6	-(-) - / - 2:383 2:430
D172V2	DA	T/C Value Out of Ran	DEV2:N7:173/7	3M9	-(-) - / - 2:385 2:431
D173B1	DA	T/C Value Out of Ran	DEV2:N7:173/8	4A0	-(-) - / - 2:386 2:434
D173B2	DA	T/C Value Out of Ran	DEV2:N7:173/9	4A3	-(-) - / - 2:388 2:435
D173V1	DA	T/C Value Out of Ran	DEV2:N7:173/10	4A6	-(-) - / - 2:389 2:438
D173V2	DA	T/C Value Out of Ran	DEV2:N7:173/11	4A9	-(-) - / - 2:391 2:439
D174B1	DA	T/C Value Out of Ran	DEV2:N7:173/12	4B0	-(-) - / - 2:392 2:442
D174B2	DA	T/C Value Out of Ran	DEV2:N7:173/13	4B3	-(-) - / - 2:394 2:443
D174V1	DA	T/C Value Out of Ran	DEV2:N7:173/14	4B6	-(-) - / - 2:395 2:446
D174V2	DA	T/C Value Out of Ran	DEV2:N7:173/15	4B9	-(-) - / - 2:397 2:447
D175B1	DA	T/C Value Out of Ran	DEV2:N7:174/0	4C0	-(-) - / - 2:398 2:635
D175B2	DA	T/C Value Out of Ran	DEV2:N7:174/1	4C3	-(-) - / - 2:606 2:636
D175V1	DA	T/C Value Out of Ran	DEV2:N7:174/2	4C6	-(-) - / - 2:607 2:639
					-(-) 2:609

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
D175V2	DA	T/C Value Out of Ran	DEV2:N7:174/3	4C9	- /- 2:640 -() 2:610
D176B1	DA	T/C Value Out of Ran	DEV2:N7:174/4	4D0	- /- 2:643 -() 2:612
D176B2	DA	T/C Value Out of Ran	DEV2:N7:174/5	4D3	- /- 2:644 -() 2:613
D176V1	DA	T/C Value Out of Ran	DEV2:N7:174/6	4D6	- /- 2:647 -() 2:615
D176V2	DA	T/C Value Out of Ran	DEV2:N7:174/7	4D9	- /- 2:648 -() 2:616
D177B1	DA	T/C Value Out of Ran	DEV2:N7:174/8	4E0	- /- 2:651 -() 2:618
D177B2	DA	T/C Value Out of Ran	DEV2:N7:174/9	4E3	- /- 2:652 -() 2:619
D177V1	DA	T/C Value Out of Ran	DEV2:N7:174/10	4E6	- /- 2:655 -() 2:621
D177V2	DA	T/C Value Out of Ran	DEV2:N7:174/11	4E9	- /- 2:656 -() 2:622
D178B1	DA	T/C Value Out of Ran	DEV2:N7:174/12	4F0	- /- 2:659 -() 2:624
D178B2	DA	T/C Value Out of Ran	DEV2:N7:174/13	4F3	- /- 2:660 -() 2:625
D178V1	DA	T/C Value Out of Ran	DEV2:N7:174/14	4F6	- /- 2:663 -() 2:627
D178V2	DA	T/C Value Out of Ran	DEV2:N7:174/15	4F9	- /- 2:664 -() 2:628
D179B1	DA	T/C Value Out of Ran	DEV2:N7:175/0	4G0	- /- 2:667 -() 2:630
D179B2	DA	T/C Value Out of Ran	DEV2:N7:175/1	4G3	- /- 2:668 -() 2:631
D179V1	DA	T/C Value Out of Ran	DEV2:N7:175/2	4G6	- /- 2:833 -() 2:804
D179V2	DA	T/C Value Out of Ran	DEV2:N7:175/3	4G9	- /- 2:834 -() 2:805
D180B1	DA	T/C Value Out of Ran	DEV2:N7:175/4	4H0	- /- 2:837 -() 2:807
D180B2	DA	T/C Value Out of Ran	DEV2:N7:175/5	4H3	- /- 2:838 -() 2:808
D180V1	DA	T/C Value Out of Ran	DEV2:N7:175/6	4H6	- /- 2:841 -() 2:810
D180V2	DA	T/C Value Out of Ran	DEV2:N7:175/7	4H9	- /- 2:842 -() 2:811
D181B1	DA	T/C Value Out of Ran	DEV2:N7:175/8	4I0	- /- 2:845 -() 2:813
D181B2	DA	T/C Value Out of Ran	DEV2:N7:175/9	4I3	- /- 2:846 -() 2:814
D181V1	DA	T/C Value Out of Ran	DEV2:N7:175/10	4I6	- /- 2:849 -() 2:816
D181V2	DA	T/C Value Out of Ran	DEV2:N7:175/11	4I9	- /- 2:850 -() 2:817
D182B1	DA	T/C Value Out of Ran	DEV2:N7:175/12	4J0	- /- 2:853

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
D182B2	DA	T/C Value Out of Ran	DEV2:N7:175/13	4J3	-(-)- 2:819 - /- 2:854 -(-)- 2:820
D182V1	DA	T/C Value Out of Ran	DEV2:N7:175/14	4J6	- /- 2:857 -(-)- 2:822
D182V2	DA	T/C Value Out of Ran	DEV2:N7:175/15	4J9	- /- 2:858 -(-)- 2:823
D183B1	DA	T/C Value Out of Ran	DEV2:N7:176/0	4K0	- /- 2:861 -(-)- 2:825
D183B2	DA	T/C Value Out of Ran	DEV2:N7:176/1	4K3	- /- 2:862 -(-)- 2:826
D183V1	DA	T/C Value Out of Ran	DEV2:N7:176/2	4K6	- /- 2:865 -(-)- 2:828
D183V2	DA	T/C Value Out of Ran	DEV2:N7:176/3	4K9	- /- 2:866 -(-)- 2:829

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>	
CV143	AO	TY-143 PID_CV	DEV2:N7:177	4L00	PID	2:220
CVRD143	AI	CV READBACK	DEV2:N7:177	4L00	SCL	2:220
CV144	AO	TY-144 PID_CV	DEV2:N7:178	4L01	PID	2:228
CVRD144	AI	CV READBACK	DEV2:N7:178	4L01	SCL	2:228
CV150	AO	TY-150 PID_CV	DEV2:N7:179	4L02	PID	2:236
CVRD150	AI	CV READBACK	DEV2:N7:179	4L02	SCL	2:236
CV151	AO	TY-151 PID_CV	DEV2:N7:180	4L03	PID	2:244
CVRD151	AI	CV READBACK	DEV2:N7:180	4L03	SCL	2:244
CV152	AO	TY-152 PID_CV	DEV2:N7:181	4L04	PID	2:252
CVRD152	AI	CV READBACK	DEV2:N7:181	4L04	SCL	2:252
CV153	AO	TY-153 PID_CV	DEV2:N7:182	4L05	PID	2:260
CVRD153	AI	CV READBACK	DEV2:N7:182	4L05	SCL	2:260
CV154	AO	TY-154 PID_CV	DEV2:N7:183	4L06	PID	2:268
CVRD154	AI	CV READBACK	DEV2:N7:183	4L06	SCL	2:268
CV160	AO	TY-160 PID_CV	DEV2:N7:184	4L07	PID	2:276
CVRD160	AI	CV READBACK	DEV2:N7:184	4L07	SCL	2:276
CV161	AO	TY-161 PID_CV	DEV2:N7:185	4L08	PID	2:284
CVRD161	AI	CV READBACK	DEV2:N7:185	4L08	SCL	2:284
CV162	AO	TY-162 PID_CV	DEV2:N7:186	4L09	PID	2:293
CVRD162	AI	CV READBACK	DEV2:N7:186	4L09	SCL	2:293
CV163	AO	TY-163 PID_CV	DEV2:N7:187	4L10	PID	2:456
CVRD163	AI	CV READBACK	DEV2:N7:187	4L10	SCL	2:456
CV164	AO	TY-164 PID_CV	DEV2:N7:188	4L11	PID	2:464
CVRD164	AI	CV READBACK	DEV2:N7:188	4L11	SCL	2:464
CV170B	AO	TY-170B PID_CV	DEV2:N7:189	4L12	PID	2:472
CVRD170B	AI	CV READBACK	DEV2:N7:189	4L12	SCL	2:472
CV170V	AO	TY-170V PID_CV	DEV2:N7:190	4L13	PID	2:480
CVRD170V	AI	CV READBACK	DEV2:N7:190	4L13	SCL	2:480
CV171B	AO	TY-171B PID_CV	DEV2:N7:191	4L14	PID	2:488
CVRD171B	AI	CV READBACK	DEV2:N7:191	4L14	SCL	2:488
CV171V	AO	TY-171V PID_CV	DEV2:N7:192	4L15	PID	2:496
CVRD171V	AI	CV READBACK	DEV2:N7:192	4L15	SCL	2:496
CV172B	AO	TY-172B PID_CV	DEV2:N7:193	4L16	PID	2:504
CVRD172B	AI	CV READBACK	DEV2:N7:193	4L16	SCL	2:504
CV172V	AO	TY-172V PID_CV	DEV2:N7:194	4L17	PID	2:512
CVRD172V	AI	CV READBACK	DEV2:N7:194	4L17	SCL	2:512
CV173B	AO	TY-173B PID_CV	DEV2:N7:195	4L18	PID	2:520
CVRD173B	AI	CV READBACK	DEV2:N7:195	4L18	SCL	2:520
CV173V	AO	TY-173V PID_CV	DEV2:N7:196	4L19	PID	2:528
CVRD173V	AI	CV READBACK	DEV2:N7:196	4L19	SCL	2:528
CV174B	AO	TY-174B PID_CV	DEV2:N7:197	4L20	PID	2:536
CVRD174B	AI	CV READBACK	DEV2:N7:197	4L20	SCL	2:536
CV174V	AO	TY-174V PID_CV	DEV2:N7:198	4L21	PID	2:545
CVRD174V	AI	CV READBACK	DEV2:N7:198	4L21	SCL	2:545
CV175B	AO	TY-175B PID_CV	DEV2:N7:199	4L22	PID	2:678
CVRD175B	AI	CV READBACK	DEV2:N7:199	4L22	SCL	2:678
CV175V	AO	TY-175V PID_CV	DEV2:N7:200	4L23	PID	2:686
CVRD175V	AI	CV READBACK	DEV2:N7:200	4L23	SCL	2:686
CV176B	AO	TY-176B PID_CV	DEV2:N7:201	4L24	PID	2:694
CVRD176B	AI	CV READBACK	DEV2:N7:201	4L24	SCL	2:694
CV176V	AO	TY-176V PID_CV	DEV2:N7:202	4L25	PID	2:702

<u>Taq Name</u>	<u>Taq Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>	
CVRD176V	AI	CV READBACK	DEV2:N7:202	4L25	SCL	2:702
CV177B	AO	TY-177B PID_CV	DEV2:N7:203	4L26	PID	2:710
CVRD177B	AI	CV READBACK	DEV2:N7:203	4L26	SCL	2:710
					CLR	2:710
CV177V	AO	TY-177V PID_CV	DEV2:N7:204	4L27	PID	2:718
CVRD177V	AI	CV READBACK	DEV2:N7:204	4L27	SCL	2:718
					CLR	2:718
CV178B	AO	TY-178B PID_CV	DEV2:N7:205	4L28	PID	2:726
CVRD178B	AI	CV READBACK	DEV2:N7:205	4L28	SCL	2:726
CV178V	AO	TY-178V PID_CV	DEV2:N7:206	4L29	PID	2:734
CVRD178V	AI	CV READBACK	DEV2:N7:206	4L29	SCL	2:734
CV179B	AO	TY-179B PID_CV	DEV2:N7:207	4L30	PID	2:743
CVRD179B	AI	CV READBACK	DEV2:N7:207	4L30	PID	2:743
					CLR	2:743
CV179V	AO	TY-179V PID_CV	DEV2:N7:208	4L31	PID	2:876
CVRD179V	AI	CV READBACK	DEV2:N7:208	4L31	SCL	2:876
CV180B	AO	TY-180B PID_CV	DEV2:N7:209	4M00	PID	2:884
CVRD180B	AI	CV READBACK	DEV2:N7:209	4M00	SCL	2:884
CV180V	AO	TY-180V PID_CV	DEV2:N7:210	4M01	PID	2:892
CVRD180V	AI	CV READBACK	DEV2:N7:210	4M01	SCL	2:892
CV181B	AO	TY-181B PID_CV	DEV2:N7:211	4M02	PID	2:900
CVRD181B	AI	CV READBACK	DEV2:N7:211	4M02	SCL	2:900
CV181V	AO	TY-181V PID_CV	DEV2:N7:212	4M03	PID	2:908
CVRD181V	AI	CV READBACK	DEV2:N7:212	4M03	SCL	2:908
CV182B	AO	TY-182B PID_CV	DEV2:N7:213	4M04	PID	2:916
CVRD182B	AI	CV READBACK	DEV2:N7:213	4M04	SCL	2:916
CV182V	AO	TY-182V PID_CV	DEV2:N7:214	4M05	PID	2:924
CVRD182V	AI	CV READBACK	DEV2:N7:214	4M05	SCL	2:924
CV183B	AO	TY-183B PID_CV	DEV2:N7:215	4M06	PID	2:932
CVRD183B	AI	CV READBACK	DEV2:N7:215	4M06	SCL	2:932
CV183V	AO	TY-183V PID_CV	DEV2:N7:216	4M07	PID	2:941
CVRD183V	AI	CV READBACK	DEV2:N7:216	4M07	SCL	2:941

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
HA143A	DA	T/C Hardware Alarms	DEV2:N7:224/0	3D0	- / - 2:134 2:170 -() 2:107
HA143B	DA	T/C Hardware Alarms	DEV2:N7:224/1	3D3	- / - 2:135 2:171 -() 2:108
HA144A	DA	T/C Hardware Alarms	DEV2:N7:224/2	3D6	- / - 2:137 2:174 -() 2:109
HA144B	DA	T/C Hardware Alarms	DEV2:N7:224/3	3D9	- / - 2:138 2:175 -() 2:110
HA150A	DA	T/C Hardware Alarms	DEV2:N7:224/4	3E0	- / - 2:140 2:178 -() 2:111
HA150B	DA	T/C Hardware Alarms	DEV2:N7:224/5	3E3	- / - 2:141 2:179 -() 2:112
HA150C	DA	T/C Hardware Alarms	DEV2:N7:224/6	3E6	- / - 2:142 2:180 -() 2:113
HA151A	DA	T/C Hardware Alarms	DEV2:N7:224/7	3E9	- / - 2:144 2:183 -() 2:114
HA151B	DA	T/C Hardware Alarms	DEV2:N7:224/8	3F0	- / - 2:145 2:184 -() 2:115
HA151C	DA	T/C Hardware Alarms	DEV2:N7:224/9	3F3	- / - 2:146 2:185 -() 2:116
HA152A	DA	T/C Hardware Alarms	DEV2:N7:224/10	3F6	- / - 2:148 2:188 -() 2:117
HA152B	DA	T/C Hardware Alarms	DEV2:N7:224/11	3F9	- / - 2:149 2:189 -() 2:118
HA153A	DA	T/C Hardware Alarms	DEV2:N7:224/12	3G0	- / - 2:151 2:192 -() 2:119
HA153B	DA	T/C Hardware Alarms	DEV2:N7:224/13	3G3	- / - 2:152 2:193 -() 2:120
HA154A	DA	T/C Hardware Alarms	DEV2:N7:224/14	3G6	- / - 2:154 2:196 -() 2:121
HA154B	DA	T/C Hardware Alarms	DEV2:N7:224/15	3G9	- / - 2:155 2:197 -() 2:122
HA160A	DA	T/C Hardware Alarms	DEV2:N7:225/0	3H0	- / - 2:157 2:200 -() 2:123
HA160B	DA	T/C Hardware Alarms	DEV2:N7:225/1	3H3	- / - 2:158 2:201 -() 2:124
HA160C	DA	T/C Hardware Alarms	DEV2:N7:225/2	3H6	- / - 2:159 2:202 -() 2:125
HA161A	DA	T/C Hardware Alarms	DEV2:N7:225/3	3H9	- / - 2:161 2:205 -() 2:126
HA161B	DA	T/C Hardware Alarms	DEV2:N7:225/4	3I0	- / - 2:162 2:206 -() 2:127
HA161C	DA	T/C Hardware Alarms	DEV2:N7:225/5	3I3	- / - 2:163 2:207 -() 2:128
HA162A	DA	T/C Hardware Alarms	DEV2:N7:225/6	3I6	- / - 2:165 2:210 -() 2:129
HA162B	DA	T/C Hardware Alarms	DEV2:N7:225/7	3I9	- / - 2:166 2:211 -() 2:130
HA163A	DA	T/C Hardware Alarms	DEV2:N7:225/8	3J0	- / - 2:364 2:402 -() 2:337
HA163B	DA	T/C Hardware Alarms	DEV2:N7:225/9	3J3	- / - 2:365 2:403

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
HA164A	DA	T/C Hardware Alarms	DEV2:N7:225/10	3J6	-(-) - /- 2:338 2:367 2:406 2:339
HA164B	DA	T/C Hardware Alarms	DEV2:N7:225/11	3J9	- /- -(-) 2:368 2:407 2:340
HA170B	DA	T/C Hardware Alarms	DEV2:N7:225/12	3K0	- /- -(-) 2:370 2:410 2:341
HA170B	DA	T/C Hardware Alarms	DEV2:N7:225/13	3K3	- /- -(-) 2:371 2:411 2:342
HA170V	DA	T/C Hardware Alarms	DEV2:N7:225/14	3K6	- /- -(-) 2:373 2:414 2:343
HA170V	DA	T/C Hardware Alarms	DEV2:N7:225/15	3K9	- /- -(-) 2:374 2:415 2:344
HA171B	DA	T/C Hardware Alarms	DEV2:N7:226/0	3L0	- /- -(-) 2:376 2:418 2:345
HA171B	DA	T/C Hardware Alarms	DEV2:N7:226/1	3L3	- /- -(-) 2:377 2:419 2:346
HA171V	DA	T/C Hardware Alarms	DEV2:N7:226/2	3L6	- /- -(-) 2:379 2:422 2:347
HA171V	DA	T/C Hardware Alarms	DEV2:N7:226/3	3L9	- /- -(-) 2:380 2:423 2:348
HA172B	DA	T/C Hardware Alarms	DEV2:N7:226/4	3M0	- /- -(-) 2:382 2:426 2:349
HA172B	DA	T/C Hardware Alarms	DEV2:N7:226/5	3M3	- /- -(-) 2:383 2:427 2:350
HA172V	DA	T/C Hardware Alarms	DEV2:N7:226/6	3M6	- /- -(-) 2:385 2:430 2:351
HA172V	DA	T/C Hardware Alarms	DEV2:N7:226/7	3M9	- /- -(-) 2:386 2:431 2:352
HA173B	DA	T/C Hardware Alarms	DEV2:N7:226/8	4A0	- /- -(-) 2:388 2:434 2:353
HA173B	DA	T/C Hardware Alarms	DEV2:N7:226/9	4A3	- /- -(-) 2:389 2:435 2:354
HA173V	DA	T/C Hardware Alarms	DEV2:N7:226/10	4A6	- /- -(-) 2:391 2:438 2:355
HA173V	DA	T/C Hardware Alarms	DEV2:N7:226/11	4A9	- /- -(-) 2:392 2:439 2:356
HA174B	DA	T/C Hardware Alarms	DEV2:N7:226/12	4B0	- /- -(-) 2:394 2:442 2:357
HA174B	DA	T/C Hardware Alarms	DEV2:N7:226/13	4B3	- /- -(-) 2:395 2:443 2:358
HA174V	DA	T/C Hardware Alarms	DEV2:N7:226/14	4B6	- /- -(-) 2:397 2:446 2:359
HA174V	DA	T/C Hardware Alarms	DEV2:N7:226/15	4B9	- /- -(-) 2:398 2:447 2:360
HA175B	DA	T/C Hardware Alarms	DEV2:N7:227/0	4C0	- /- -(-) 2:606 2:635 2:585
HA175B	DA	T/C Hardware Alarms	DEV2:N7:227/1	4C3	- /- -(-) 2:607 2:636 2:586
HA175V	DA	T/C Hardware Alarms	DEV2:N7:227/2	4C6	- /- -(-) 2:609 2:639 2:587

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
HA175V	DA	T/C Hardware Alarms	DEV2:N7:227/3	4C9	- / - 2:610 2:640 -()- 2:588
HA176B	DA	T/C Hardware Alarms	DEV2:N7:227/4	4D0	- / - 2:612 2:643 -()- 2:589
HA176B	DA	T/C Hardware Alarms	DEV2:N7:227/5	4D3	- / - 2:613 2:644 -()- 2:590
HA176V	DA	T/C Hardware Alarms	DEV2:N7:227/6	4D6	- / - 2:615 2:647 -()- 2:591
HA176V	DA	T/C Hardware Alarms	DEV2:N7:227/7	4D9	- / - 2:616 2:648 -()- 2:592
HA177B	DA	T/C Hardware Alarms	DEV2:N7:227/8	4E0	- / - 2:618 2:651 -()- 2:593
HA177B	DA	T/C Hardware Alarms	DEV2:N7:227/9	4E3	- / - 2:619 2:652 -()- 2:594
HA177V	DA	T/C Hardware Alarms	DEV2:N7:227/10	4E6	- / - 2:621 2:655 -()- 2:595
HA177V	DA	T/C Hardware Alarms	DEV2:N7:227/11	4E9	- / - 2:622 2:656 -()- 2:596
HA178B	DA	T/C Hardware Alarms	DEV2:N7:227/12	4F0	- / - 2:624 2:659 -()- 2:597
HA178B	DA	T/C Hardware Alarms	DEV2:N7:227/13	4F3	- / - 2:625 2:660 -()- 2:598
HA178V	DA	T/C Hardware Alarms	DEV2:N7:227/14	4F6	- / - 2:627 2:663 -()- 2:599
HA178V	DA	T/C Hardware Alarms	DEV2:N7:227/15	4F9	- / - 2:628 2:664 -()- 2:600
HA179B	DA	T/C Hardware Alarms	DEV2:N7:228/0	4G0	- / - 2:630 2:667 -()- 2:601
HA179B	DA	T/C Hardware Alarms	DEV2:N7:228/1	4G3	- / - 2:631 2:668 -()- 2:602
HA179V	DA	T/C Hardware Alarms	DEV2:N7:228/2	4G6	- / - 2:804 2:833 -()- 2:783
HA179V	DA	T/C Hardware Alarms	DEV2:N7:228/3	4G9	- / - 2:805 2:834 -()- 2:784
HA180B	DA	T/C Hardware Alarms	DEV2:N7:228/4	4H0	- / - 2:807 2:837 -()- 2:785
HA180B	DA	T/C Hardware Alarms	DEV2:N7:228/5	4H3	- / - 2:808 2:838 -()- 2:786
HA180V	DA	T/C Hardware Alarms	DEV2:N7:228/6	4H6	- / - 2:810 2:841 -()- 2:787
HA180V	DA	T/C Hardware Alarms	DEV2:N7:228/7	4H9	- / - 2:811 2:842 -()- 2:788
HA181B	DA	T/C Hardware Alarms	DEV2:N7:228/8	4I0	- / - 2:813 2:845 -()- 2:789
HA181B	DA	T/C Hardware Alarms	DEV2:N7:228/9	4I3	- / - 2:814 2:846 -()- 2:790
HA181V	DA	T/C Hardware Alarms	DEV2:N7:228/10	4I6	- / - 2:816 2:849 -()- 2:791
HA181V	DA	T/C Hardware Alarms	DEV2:N7:228/11	4I9	- / - 2:817 2:850 -()- 2:792
HA182B	DA	T/C Hardware Alarms	DEV2:N7:228/12	4J0	- / - 2:819 2:853

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
HA182B	DA	T/C Hardware Alarms	DEV2:N7:228/13	4J3	-(-) 2:793 -)/[- 2:820 2:845
HA182V	DA	T/C Hardware Alarms	DEV2:N7:228/14	4J6	-(-) 2:794 -)/[- 2:822 2:857
HA182V	DA	T/C Hardware Alarms	DEV2:N7:228/15	4J9	-(-) 2:795 -)/[- 2:823 2:858
HA183B	DA	T/C Hardware Alarms	DEV2:N7:229/0	4K0	-(-) 2:796 -)/[- 2:825 2:861
HA183B	DA	T/C Hardware Alarms	DEV2:N7:229/1	4K3	-(-) 2:797 -)/[- 2:826 2:862
HA183V	DA	T/C Hardware Alarms	DEV2:N7:229/2	4K6	-(-) 2:798 -)/[- 2:828 2:865
HA183V	DA	T/C Hardware Alarms	DEV2:N7:229/3	4K9	-(-) 2:799 -)/[- 2:829 2:866
					-(-) 2:800

<u>Address</u>	<u>Symbol / Instruction</u>	<u>Comment / File Number:Rung Number</u>
N7:229/4	- () -	2:221
N7:229/5	- () -	2:229
N7:229/6	- () -	2:237
N7:229/7	- () -	2:245
N7:229/8	- () -	2:253
N7:229/9	- () -	2:261
N7:229/10	- () -	2:269
N7:229/12	- () -	2:277 2:285
N7:229/14	- () -	2:457
N7:229/15	- () -	2:465
N7:230	-CLR-	3:22

Tag Name	Tag Type	Description	PLC Device	PLC I/O	Ladder Logic Rungs
		PID MODE SELECT	DEV2:N7:230		CLR 3:22
A_MRD143	DO	TY-143 AUTO/MAN.	DEV2:N7:230:0	4L00	- /- 2:218
ONRD143	DO	PID SELECT ON/OFF	DEV2:N7:230:1		- /- 2:217
A_MRD144	DO	TY-144 AUTO/MAN.	DEV2:N7:230:2	4L01	- /- 2:226
ONRD144	DO	PID SELECT ON/OFF	DEV2:N7:230:3		- /- 2:225
A_MRD150	DO	TY-150 AUTO/MAN.	DEV2:N7:230:4	4L02	- /- 2:234
ONRD150	DO	PID SELECT ON/OFF	DEV2:N7:230:5		- /- 2:233
A_MRD151	DO	TY-151 AUTO/MAN.	DEV2:N7:230:6	4L03	- /- 2:242
ONRD151	DO	PID SELECT ON/OFF	DEV2:N7:230:7		- /- 2:241
A_MRD152	DO	TY-152 AUTO/MAN.	DEV2:N7:230:8	4L04	- /- 2:250
ONRD152	DO	PID SELECT ON/OFF	DEV2:N7:230:9		- /- 2:249
A_MRD153	DO	TY-153 AUTO/MAN.	DEV2:N7:230:10	4L05	- /- 2:258
ONRD153	DO	PID SELECT ON/OFF	DEV2:N7:230:11		- /- 2:257
A_MRD154	DO	TY-154 AUTO/MAN.	DEV2:N7:230:12	4L06	- /- 2:266
ONRD154	DO	PID SELECT ON/OFF	DEV2:N7:230:13		- /- 2:265
A_MRD160	DO	TY-160 AUTO/MAN.	DEV2:N7:230:14	4L07	- /- 2:274
ONRD160	DO	PID SELECT ON/OFF	DEV2:N7:230:15		- /- 2:373
		PID MODE SELECT	DEV2:N7:231		CLR 3:23
A_MRD161	DO	TY-161 AUTO/MAN.	DEV2:N7:231:0	4L08	- /- 2:282
ONRD161	DO	PID SELECT ON/OFF	DEV2:N7:231:1		- /- 2:281 2:501
A_MRD162	DO	TY-162 AUTO/MAN.	DEV2:N7:231:2	4L09	- /- 2:291
ONRD162	DO	PID SELECT ON/OFF	DEV2:N7:231:3		- /- 2:290
A_MRD163	DO	TY-163 AUTO/MAN.	DEV2:N7:231:4	4L10	- /- 2:454
ONRD163	DO	PID SELECT ON/OFF	DEV2:N7:231:5		- /- 2:453
A_MRD164	DO	TY-164 AUTO/MAN.	DEV2:N7:231:6	4L11	- /- 2:462
					-(-)- 2:279
ONRD164	DO	PID SELECT ON/OFF	DEV2:N7:231:7		- /- 2:461
A_MRD170B	DO	TY-170B AUTO/MAN.	DEV2:N7:231:8	4L12	- /- 2:470
ONRD170B	DO	PID SELECT ON/OFF	DEV2:N7:231:9		- /- 2:469
A_MRD170V	DO	TY-170V AUTO/MAN.	DEV2:N7:231:10	4L13	- /- 2:478
ONRD170V	DO	PID SELECT ON/OFF	DEV2:N7:231:11		- /- 2:477
A_MRD171B	DO	TY-171B AUTO/MAN.	DEV2:N7:231:12	4L14	- /- 2:486
ONRD171B	DO	PID SELECT ON/OFF	DEV2:N7:231:13		- /- 2:485
A_MRD171V	DO	TY-171V AUTO/MAN.	DEV2:N7:231:14	4L15	- /- 2:494
ONRD171V	DO	PID SELECT ON/OFF	DEV2:N7:231:15		- /- 2:493
		PID MODE SELECT	DEV2:N7:232		CLR 3:24
A_MRD172B	DO	TY-172B AUTO/MAN.	DEV2:N7:232:0	4L16	- /- 2:502
ONRD172B	DO	PID SELECT ON/OFF	DEV2:N7:232:1		- /-
A_MRD172V	DO	TY-172V AUTO/MAN.	DEV2:N7:232:2	4L17	- /- 2:510
ONRD172V	DO	PID SELECT ON/OFF	DEV2:N7:232:3		- /- 2:509
A_MRD173B	DO	TY-173B AUTO/MAN.	DEV2:N7:232:4	4L18	- /- 2:518
ONRD173B	DO	PID SELECT ON/OFF	DEV2:N7:232:5		- /- 2:517
A_MRD173V	DO	TY-173V AUTO/MAN.	DEV2:N7:232:6	4L19	- /- 2:526
ONRD173V	DO	PID SELECT ON/OFF	DEV2:N7:232:7		- /- 2:525
A_MRD174B	DO	TY-174B AUTO/MAN.	DEV2:N7:232:8	4L20	- /- 2:534
ONRD174B	DO	PID SELECT ON/OFF	DEV2:N7:232:9		- /- 2:533
A_MRD174V	DO	TY-174V AUTO/MAN.	DEV2:N7:232:10	4L21	- /- 2:543
ONRD174V	DO	PID SELECT ON/OFF	DEV2:N7:232:11		- /- 2:542
A_MRD175B	DO	TY-175B AUTO/MAN.	DEV2:N7:232:12	4L22	- /- 2:676
ONRD175B	DO	PID SELECT ON/OFF	DEV2:N7:232:13		- /- 2:675
A_MRD175V	DO	TY-175V AUTO/MAN.	DEV2:N7:232:14	4L23	- /- 2:684
ONRD175V	DO	PID SELECT ON/OFF	DEV2:N7:232:15		- /- 2:683

<u>Tag Name</u>	<u>Tag Type</u>	<u>Description</u>	<u>PLC Device</u>	<u>PLC I/O</u>	<u>Ladder Logic Rungs</u>
		PID MODE SELECT	DEV2:N7:233		CLR 3:25
A_MRD176B	DO	TY-176B AUTO/MAN.	DEV2:N7:233:0	4L24	- /- 2:692
ONRD176B	DO	PID SELECT ON/OFF	DEV2:N7:233:1		- /- 2:691
A_MRD176V	DO	TY-176V AUTO/MAN.	DEV2:N7:233:2	4L25	- /- 2:700
ONRD176V	DO	PID SELECT ON/OFF	DEV2:N7:233:3		- /- 2:699
A_MRD177B	DO	TY-177B AUTO/MAN.	DEV2:N7:233:4	4L26	- /- 2:708
ONRD177B	DO	PID SELECT ON/OFF	DEV2:N7:233:5		- /- 2:707 2:710
A_MRD177V	DO	TY-177V AUTO/MAN.	DEV2:N7:233:6	4L27	- /- 2:716
ONRD177V	DO	PID SELECT ON/OFF	DEV2:N7:233:7		- /- 2:715 2:718
A_MRD178B	DO	TY-178B AUTO/MAN.	DEV2:N7:233:8	4L28	- /- 2:724
ONRD178B	DO	PID SELECT ON/OFF	DEV2:N7:233:9		- /- 2:723
A_MRD178V	DO	TY-178V AUTO/MAN.	DEV2:N7:233:10	4L29	- /- 2:732
ONRD178V	DO	PID SELECT ON/OFF	DEV2:N7:233:11		- /- 2:731
A_MRD179B	DO	TY-179B AUTO/MAN.	DEV2:N7:233:12	4L30	- /- 2:741
ONRD179B	DO	PID SELECT ON/OFF	DEV2:N7:233:13		- /- 2:740
A_MRD179V	DO	TY-179V AUTO/MAN.	DEV2:N7:233:14	4L31	- /- 2:874
ONRD179V	DO	PID SELECT ON/OFF	DEV2:N7:233:15		- /- 2:873
		PID MODE SELECT	DEV2:N7:234		- /- 3:26
A_MRD180B	DO	TY-180B AUTO/MAN.	DEV2:N7:234:0	4M00	- /- 2:882
ONRD180B	DO	PID SELECT ON/OFF	DEV2:N7:234:1		- /- 2:881
A_MRD180V	DO	TY-180V AUTO/MAN.	DEV2:N7:234:2	4M01	- /- 2:890
ONRD180V	DO	PID SELECT ON/OFF	DEV2:N7:234:3		- /- 2:889
A_MRD181B	DO	TY-181B AUTO/MAN.	DEV2:N7:234:4	4M02	- /- 2:898
ONRD181B	DO	PID SELECT ON/OFF	DEV2:N7:234:5		- /- 2:897
A_MRD181V	DO	TY-181V AUTO/MAN.	DEV2:N7:234:6	4M03	- /- 2:906
ONRD181V	DO	PID SELECT ON/OFF	DEV2:N7:234:7		- /- 2:905
A_MRD182B	DO	TY-182B AUTO/MAN.	DEV2:N7:234:8	4M04	- /- 2:914
ONRD182B	DO	PID SELECT ON/OFF	DEV2:N7:234:9		- /- 2:913
A_MRD182V	DO	TY-182V AUTO/MAN.	DEV2:N7:234:10	4M05	- /- 2:922
ONRD182V	DO	PID SELECT ON/OFF	DEV2:N7:234:11		- /- 2:921
A_MRD183B	DO	TY-183B AUTO/MAN.	DEV2:N7:234:12	4M06	- /- 2:930
ONRD183B	DO	PID SELECT ON/OFF	DEV2:N7:234:13		- /- 2:929
A_MRD183V	DO	TY-183V AUTO/MAN.	DEV2:N7:234:14	4M07	- /- 2:939

Address	Symbol / Instruction	Comment / File Number:Rung Number
N7:235/0	-()-	2:473
N7:235/1	-()-	2:481
N7:235/2	-()-	2:489
N7:235/3	-()-	2:497
N7:235/4	-()-	2:505
N7:235/5	-()-	2:513
N7:235/6	SCRATCH -J [-	2:215 2:223 2:231 2:239 2:247 2:255 2:263 2:271 2:279 2:288 2:451 2:459 2:467 2:475 2:483 2:499 2:507 2:515 2:523 2:531 2:540 2:673 2:681 2:689 2:697 2:705 2:713 2:721 2:729 2:737 2:871 2:879 2:887 2:895 2:903 2:911 2:919 2:927 2:935 -J/[- 2:491 -()-
N7:235/7	-()-	2:521
N7:235/8	-()-	2:529
N7:235/9	-()-	2:537

Address	Symbol / Instruction	Comment / File Number:Rung Number
N7:235/11	-()-	2:679
N7:235/12	-()-	2:687
N7:235/13	-()-	2:695
N7:235/14	-()-	2:703
N7:235/15	-()-	2:711
N7:236/0	-()-	2:719
N7:236/1	-()-	2:727
N7:236/2	-()-	2:735
N7:236/4	-()-	2:877
N7:236/5	-()-	2:885
N7:236/6	-()-	2:893
N7:236/7	-()-	2:901 2:909
N7:236/9	-()-	2:917
N7:236/10	-()-	2:925
N7:236/11	-()-	2:933

<u>Taq Name</u>	<u>Tag type</u>	<u>Description</u>	<u>PLC Device</u>	<u>Ladder Logic Rungs</u>
OUT143A	DO	TE TAKE-OUT	DEV2:N7:236:12	- / - 2:170
OUT143B	DO	TE TAKE-OUT	DEV2:N7:236:13	- / - 2:171
OUT144A	DO	TE TAKE-OUT	DEV2:N7:236:14	- / - 2:174
OUT144B	DO	TE TAKE-OUT	DEV2:N7:236:15	- / - 2:175
OUT150A	DO	TE TAKE-OUT	DEV2:N7:237:0	- / - 2:178
OUT150B	DO	TE TAKE-OUT	DEV2:N7:237:1	- / - 2:179
OUT150C	DO	TE TAKE-OUT	DEV2:N7:237:2	- / - 2:180
OUT151A	DO	TE TAKE-OUT	DEV2:N7:237:3	- / - 2:183
OUT151B	DO	TE TAKE-OUT	DEV2:N7:237:4	- / - 2:184
OUT151C	DO	TE TAKE-OUT	DEV2:N7:237:5	- / - 2:185
OUT152A	DO	TE TAKE-OUT	DEV2:N7:237:6	- / - 2:188
OUT152B	DO	TE TAKE-OUT	DEV2:N7:237:7	- / - 2:189
OUT153A	DO	TE TAKE-OUT	DEV2:N7:237:8	- / - 2:192
OUT153B	DO	TE TAKE-OUT	DEV2:N7:237:9	- / - 2:193
OUT154A	DO	TE TAKE-OUT	DEV2:N7:237:10	- / - 2:196
OUT154B	DO	TE TAKE-OUT	DEV2:N7:237:11	- / - 2:197
OUT160A	DO	TE TAKE-OUT	DEV2:N7:237:12	- / - 2:200
OUT160B	DO	TE TAKE-OUT	DEV2:N7:237:13	- / - 2:201
OUT160C	DO	TE TAKE-OUT	DEV2:N7:237:14	- / - 2:202
OUT161A	DO	TE TAKE-OUT	DEV2:N7:237:15	- / - 2:205
OUT161B	DO	TE TAKE-OUT	DEV2:N7:238:0	- / - 2:206
OUT161C	DO	TE TAKE-OUT	DEV2:N7:238:1	- / - 2:207
OUT162A	DO	TE TAKE-OUT	DEV2:N7:238:2	- / - 2:210
OUT162B	DO	TE TAKE-OUT	DEV2:N7:238:3	- / - 2:211
OUT163A	DO	TE TAKE-OUT	DEV2:N7:238:4	- / - 2:402
OUT163B	DO	TE TAKE-OUT	DEV2:N7:238:5	- / - 2:403
OUT164A	DO	TE TAKE-OUT	DEV2:N7:238:6	- / - 2:406
OUT164B	DO	TE TAKE-OUT	DEV2:N7:238:7	- / - 2:407
OUT170B1	DO	TE TAKE-OUT	DEV2:N7:238:8	- / - 2:410
OUT170B2	DO	TE TAKE-OUT	DEV2:N7:238:9	- / - 2:411
OUT170V1	DO	TE TAKE-OUT	DEV2:N7:238:10	- / - 2:414
OUT170V2	DO	TE TAKE-OUT	DEV2:N7:238:11	- / - 2:415
OUT171B1	DO	TE TAKE-OUT	DEV2:N7:238:12	- / - 2:418
OUT171B2	DO	TE TAKE-OUT	DEV2:N7:238:13	- / - 2:419
OUT171V1	DO	TE TAKE-OUT	DEV2:N7:238:14	- / - 2:422
OUT171V2	DO	TE TAKE-OUT	DEV2:N7:239:15	- / - 2:423
OUT172B1	DO	TE TAKE-OUT	DEV2:N7:239:0	- / - 2:426
OUT172B2	DO	TE TAKE-OUT	DEV2:N7:239:1	- / - 2:427
OUT172V1	DO	TE TAKE-OUT	DEV2:N7:239:2	- / - 2:430
OUT172V2	DO	TE TAKE-OUT	DEV2:N7:239:3	- / - 2:431
OUT173B1	DO	TE TAKE-OUT	DEV2:N7:239:4	- / - 2:434
OUT173B2	DO	TE TAKE-OUT	DEV2:N7:239:5	- / - 2:435
OUT173V1	DO	TE TAKE-OUT	DEV2:N7:239:6	- / - 2:438
OUT173V2	DO	TE TAKE-OUT	DEV2:N7:239:7	- / - 2:439
OUT174B1	DO	TE TAKE-OUT	DEV2:N7:239:8	- / - 2:442
OUT174B2	DO	TE TAKE-OUT	DEV2:N7:239:9	- / - 2:443
OUT174V1	DO	TE TAKE-OUT	DEV2:N7:239:10	- / - 2:446
OUT174V2	DO	TE TAKE-OUT	DEV2:N7:239:11	- / - 2:447
OUT175B1	DO	TE TAKE-OUT	DEV2:N7:239:12	- / - 2:635
OUT175B2	DO	TE TAKE-OUT	DEV2:N7:239:13	- / - 2:636
OUT175V1	DO	TE TAKE-OUT	DEV2:N7:239:14	- / - 2:639

<u>Tag Name</u>	<u>Tag type</u>	<u>Description</u>	<u>PLC Device</u>	<u>Ladder Logic Rungs</u>
OUT175V2	DO	TE TAKE-OUT	DEV2:N7:239:15	- /- 2:640
OUT176B1	DO	TE TAKE-OUT	DEV2:N7:240:0	- /- 2:643
OUT176B2	DO	TE TAKE-OUT	DEV2:N7:240:1	- /- 2:644
OUT176V1	DO	TE TAKE-OUT	DEV2:N7:240:2	- /- 2:647
OUT176V2	DO	TE TAKE-OUT	DEV2:N7:240:3	- /- 2:648
OUT177B1	DO	TE TAKE-OUT	DEV2:N7:240:4	- /- 2:651
OUT177B2	DO	TE TAKE-OUT	DEV2:N7:240:5	- /- 2:652
OUT177V1	DO	TE TAKE-OUT	DEV2:N7:240:6	- /- 2:655
OUT177V2	DO	TE TAKE-OUT	DEV2:N7:240:7	- /- 2:656
OUT178B1	DO	TE TAKE-OUT	DEV2:N7:240:8	- /- 2:659
OUT178B2	DO	TE TAKE-OUT	DEV2:N7:240:9	- /- 2:660
OUT178V1	DO	TE TAKE-OUT	DEV2:N7:240:10	- /- 2:663
OUT178V2	DO	TE TAKE-OUT	DEV2:N7:240:11	- /- 2:664
OUT179B1	DO	TE TAKE-OUT	DEV2:N7:240:12	- /- 2:667
OUT179B2	DO	TE TAKE-OUT	DEV2:N7:240:13	- /- 2:668
OUT179V1	DO	TE TAKE-OUT	DEV2:N7:240:14	- /- 2:833
OUT179V2	DO	TE TAKE-OUT	DEV2:N7:240:15	- /- 2:834
OUT180B1	DO	TE TAKE-OUT	DEV2:N7:241:0	- /- 2:837
OUT180B2	DO	TE TAKE-OUT	DEV2:N7:241:1	- /- 2:838
OUT180V1	DO	TE TAKE-OUT	DEV2:N7:241:2	- /- 2:841
OUT180V2	DO	TE TAKE-OUT	DEV2:N7:241:3	- /- 2:842
OUT181B1	DO	TE TAKE-OUT	DEV2:N7:241:4	- /- 2:845
OUT181B2	DO	TE TAKE-OUT	DEV2:N7:241:5	- /- 2:846
OUT181V1	DO	TE TAKE-OUT	DEV2:N7:241:6	- /- 2:849
OUT181V2	DO	TE TAKE-OUT	DEV2:N7:241:7	- /- 2:850
OUT182B1	DO	TE TAKE-OUT	DEV2:N7:241:8	- /- 2:853
OUT182B2	DO	TE TAKE-OUT	DEV2:N7:241:9	- /- 2:854
OUT182V1	DO	TE TAKE-OUT	DEV2:N7:241:10	- /- 2:857
OUT182V2	DO	TE TAKE-OUT	DEV2:N7:241:11	- /- 2:858
OUT183B1	DO	TE TAKE-OUT	DEV2:N7:241:12	- /- 2:861
OUT183B2	DO	TE TAKE-OUT	DEV2:N7:241:13	- /- 2:862
OUT183V1	DO	TE TAKE-OUT	DEV2:N7:241:14	- /- 2:865
OUT183V2	DO	TE TAKE-OUT	DEV2:N7:241:15	- /- 2:866

Address Symbol / Comment /
 Instruction File Number:Rung Number

N10:1 PW143
 -CLR- 2:217
 -LES- 2:945
 -SCL- 2:220

N10:2 PW144
 -CLR- 2:225
 -LES- 2:948
 -SCL- 2:228

N10:3 PW150
 -CLR- 2:233
 -LES- 2:951
 -SCL- 2:236

N10:4 PW151
 -CLR- 2:241
 -LES- 2:954
 -SCL- 2:244

N10:5 PW152
 -CLR- 2:249
 -LES- 2:957
 -SCL- 2:252

N10:6 PW153
 -CLR- 2:257
 -LES- 2:960
 -SCL- 2:260

N10:7 PW154
 -CLR- 2:265
 -LES- 2:963
 -SCL- 2:268

N10:8 PW160
 -CLR- 2:273
 -LES- 2:966
 -SCL- 2:276

N10:9 PW161
 -CLR- 2:281
 -LES- 2:969
 -SCL- 2:284

Address	Symbol / Instruction	Comment / File Number:Rung Number
N10:10	PW162 -CLR- 2:290 -LES- 2:972 -SCL- 2:293	
N10:11	PW163 -CLR- 2:453 -LES- 2:975 -SCL- 2:456	
N10:12	PW164 -CLR- 2:461 -LES- 2:978 -SCL- 2:464	
N10:13	PW170B -CLR- 2:469 -LES- 2:981 -SCL- 2:472	
N10:14	PW170V -CLR- 2:477 -LES- 2:984 -SCL- 2:480	
N10:15	PW171B -CLR- 2:485 -LES- 2:987 -SCL- 2:488	
N10:16	PW171V -CLR- 2:493 -LES- 2:990 -SCL- 2:496	
N10:17	PW172B -CLR- 2:501 -LES- 2:993 -SCL- 2:504	
N10:18	PW172V -CLR- 2:509 -LES- 2:996 -SCL- 2:512	
N10:19	PW173B -CLR- 2:517 -LES- 2:999 -SCL- 2:520	
N10:20	PW173V -CLR- 2:525 -LES- 2:1002 -SCL- 2:528	

Address	Symbol / Instruction	Comment / File Number:Rung Number
N10:21	PW174B -CLR- -LES- -SCL-	2:533 2:1005 2:536
N10:22	PW174V -CLR- -LES- -SCL-	2:542 2:1008 2:545
N10:23	PW175B -CLR- -LES- -SCL-	2:675 2:1011 2:678
N10:24	PW175V -CLR- -LES- -SCL-	2:683 2:1014 2:686
N10:25	PW176B -CLR- -LES- -SCL-	2:691 2:1017 2:694
N10:26	PW176V -CLR- -LES- -SCL-	2:699 2:1020 2:702
N10:27	PW177B -CLR- -LES- -SCL-	2:707 2:1023 2:710
N10:28	PW177V -CLR- -LES- -SCL-	2:715 2:1026 2:718
N10:29	PW178B -CLR- -LES- -SCL-	2:723 2:1029 2:726
N10:30	PW178V -CLR- -LES- -SCL-	2:731 2:1032 2:734
N10:31	PW179B -CLR- -LES- -SCL-	2:740 2:1035 2:743

Address	Symbol / Instruction	Comment / File Number:Rung Number
N10:32	PW179V -CLR- -LES- -SCL-	2:873 2:1038 2:876
N10:33	PW180B -CLR- -LES- -SCL-	2:881 2:1041 2:884
N10:34	PW180V -CLR- -LES- -SCL-	2:889 2:1044 2:892
N10:35	PW181B -CLR- -LES- -SCL-	2:897 2:1047 2:900
N10:36	PW181V -CLR- -LES- -SCL-	2:905 2:1050 2:908
N10:37	PW182B -CLR- -LES- -SCL-	2:913 2:1053 2:916
N10:38	PW182V -CLR- -LES- -SCL-	2:921 2:1056 2:924
N10:39	PW183B -CLR- -LES- -SCL-	2:929 2:1059 2:932
N10:40	PW183V -CLR- -LES- -SCL-	2:938 2:1062 2:941
N10:42	L143 -LES- -SUB-	2:134 2:135 2:133
N10:43	L144 -LES- -SUB-	2:137 2:138 2:136
N10:44	L150 -LES- -SUB-	2:140 2:141 2:142 2:139

Address	Symbol / Instruction	Comment / File Number:Rung Number
N10:45	L151 -LES- -SUB-	2:144 2:145 2:146 2:143
N10:46	L152 -LES- -SUB-	2:148 2:149 2:147
N10:47	L153 -LES- -SUB-	2:151 2:152 2:150
N10:48	L154 -LES- -SUB-	2:154 2:155 2:153
N10:49	L160 -LES- -SUB-	2:157 2:158 2:159 2:156
N10:50	L161 -LES- -SUB-	2:161 2:162 2:163 2:160
N10:51	L162 -LES- -SUB-	2:165 2:166 2:164
N10:52	L163 -LES- -SUB-	2:364 2:365 2:363
N10:53	L164 -LES- -SUB-	2:367 2:368 2:366
N10:54	L170B -LES- -SUB-	2:370 2:371 2:369
N10:55	L170V -LES- -SUB-	2:373 2:374 2:372
N10:56	L171B -LES- -SUB-	2:377 2:375
N10:57	L171V -LES- -SUB-	2:379 2:380 2:378
N10:58	L172B -LES- -SUB-	2:376 2:382 2:383 2:381

Cross Reference

Processor File: SODIUM2A.ACH

Address	Symbol / Instruction	Comment / File Number:Rung Number
N10:59	L172V -LES- -SUB-	2:385 2:386 2:384
N10:60	L173B -LES- -SUB-	2:388 2:389 2:387
N10:61	L173V -LES- -SUB-	2:391 2:392 2:390
N10:62	L174B -LES- -SUB-	2:394 2:395 2:397 2:393
N10:63	L174V -LES- -SUB-	2:398 2:396
N10:64	L175B -LES- -SUB-	2:606 2:607 2:605
N10:65	L175V -LES- -SUB-	2:609 2:610 2:608
N10:66	L176B -LES- -SUB-	2:612 2:613 2:611
N10:67	L176V -LES- -SUB-	2:615 2:616 2:614
N10:68	L177B -LES- -SUB-	2:618 2:619 2:617
N10:69	L177V -LES- -SUB-	2:621 2:622 2:620
N10:70	L178B -LES- -SUB-	2:624 2:625 2:623
N10:71	L178V -LES- -SUB-	2:627 2:628 2:626
N10:72	L179B -LES- -SUB-	2:630 2:631 2:629

Address	Symbol / Instruction	Comment / File Number:Rung Number
N10:73	L179V -LES- -SUB-	2:804 2:805 2:803
N10:74	L180B -LES- -SUB-	2:807 2:808 2:806
N10:75	L180V -LES- -SUB-	2:810 2:811 2:809
N10:76	L181B -LES- -SUB-	2:813 2:814 2:812
N10:77	L181V -LES- -SUB-	2:816 2:817 2:815
N10:78	L182B -LES- -SUB-	2:819 2:820 2:818
N10:79	L182V -LES- -SUB-	2:822 2:823 2:821
N10:80	L183B -LES- -SUB-	2:825 2:826 2:824
N10:81	L183V -LES- -SUB-	2:828 2:829 2:827
N10:89	DEVIATION -ADD- -SUB-	2:133 2:136 2:139 2:143 2:147 2:150 2:153 2:156 2:160 2:164 2:363 2:366 2:369 2:372 2:375 2:378 2:381 2:384 2:387 2:390 2:393 2:396 2:605 2:608 2:611 2:614 2:617 2:620 2:623 2:626 2:629 2:803 2:806 2:809 2:812 2:815 2:818 2:821 2:824 2:827 2:133 2:136 2:139 2:143 2:147 2:150 2:153 2:156 2:160 2:164 2:363 2:366 2:369 2:372 2:375 2:378 2:381 2:384 2:387 2:390 2:393 2:396 2:605 2:608 2:611 2:614 2:617 2:620 2:623 2:626 2:629 2:803 2:806 2:809 2:812 2:815 2:818 2:821 2:824 2:827
N10:91	H143 -ADD- -GRT-	2:133 2:134 2:135
N10:92	H144 -ADD- -GRT-	2:136 2:137 2:138
N10:93	H150 -ADD- -GRT-	2:139 2:140 2:141 2:142

Address	Symbol / Instruction	Comment / File Number:Rung Number
N10:94	H151 -ADD- 2:143 -GRT- 2:144 2:145 2:146	
N10:95	H152 -ADD- 2:147 -GRT- 2:148 2:149	
N10:96	H153 -ADD- 2:150 -GRT- 2:151 2:152	
N10:97	H154 -ADD- 2:153 -GRT- 2:154 2:155	
N10:98	H160 -ADD- 2:156 -GRT- 2:157 2:158 2:159	
N10:99	H161 -ADD- 2:160 -GRT- 2:161 2:162 2:163	
N10:100	H162 -ADD- 2:164 -GRT- 2:165 2:166	
N10:101	H163 -ADD- 2:363 -GRT- 2:364 2:365	
N10:102	H164 -ADD- 2:366 -GRT- 2:367 2:368	
N10:103	H170B -ADD- 2:369 -GRT- 2:370 2:371	
N10:104	H170V -ADD- 2:372 -GRT- 2:373 2:374	
N10:105	H171B -ADD- 2:375 -GRT- 2:377	
N10:106	H171V -ADD- 2:378 -GRT- 2:379 2:380	
N10:107	H172B -ADD- 2:381 -GRT- 2:376 2:382 2:383	

Address	Symbol / Instruction	Comment / File Number:Rung Number
N10:108	H172V -ADD- 2:384 -GRT- 2:385 2:386	
N10:109	H173B -ADD- 2:387 -GRT- 2:388 2:389	
N10:110	H173V -ADD- 2:390 -GRT- 2:391 2:392	
N10:111	H174B -ADD- 2:393 -GRT- 2:394 2:395	
N10:112	H174V -ADD- 2:396 -GRT- 2:397 2:398	
N10:113	H175B -ADD- 2:605 -GRT- 2:606 2:607	
N10:114	H175V -ADD- 2:608 -GRT- 2:609 2:610	
N10:115	H176B -ADD- 2:611 -GRT- 2:612 2:613	
N10:116	H176V -ADD- 2:614 -GRT- 2:615 2:616	
N10:117	H177B -ADD- 2:617 -GRT- 2:618 2:619	
N10:118	H177V -ADD- 2:620 -GRT- 2:621 2:622	
N10:119	H178B -ADD- 2:623 -GRT- 2:624 2:625	
N10:120	H178V -ADD- 2:626 -GRT- 2:627 2:628	
N10:121	H179B -ADD- 2:629 -GRT- 2:630 2:631	

Address	Symbol / Instruction	Comment / File Number:Rung Number
N10:122	H179V -ADD- 2:803 -GRT- 2:804 2:805	
N10:123	H180B -ADD- 2:806 -GRT- 2:807 2:808	
N10:124	H180V -ADD- 2:809 -GRT- 2:810 2:811	
N10:125	H181B -ADD- 2:812 -GRT- 2:813 2:814	
N10:126	H181V -ADD- 2:815 -GRT- 2:816 2:817	
N10:127	H182B -ADD- 2:818 -GRT- 2:819 2:820	
N10:128	H182V -ADD- 2:821 -GRT- 2:822 2:823	
N10:129	H183B -ADD- 2:824 -GRT- 2:825 2:826	
N10:130	H183V -ADD- 2:827 -GRT- 2:828 2:829	
N12:0	PID143 -MOV- 3:27 -PID- 2:220	
N12:0/1	-()- 2:218	
N12:1	-CLR- 3:28	
N12:2	PIDSP143 -MOV- 2:219	
N12:11	-MOV- 2:215 2:215 2:215 -SUB- 2:215	
N12:30	PID144 -MOV- 3:29 -PID- 2:228	

Address	Symbol / Instruction	Comment / File Number:Rung Number
N12:30/0	- () -	2:226
N12:31	-CLR-	3:30
N12:32	PIDSP144 -MOV-	2:227
N12:41	-MOV- -SUB-	2:223 2:223 2:223 2:223
N12:60	PID150 -MOV- -PID-	3:31 2:236
N12:60/1	- () -	2:234
N12:61	-CLR-	3:32
N12:62	PIDSP150 -MOV-	2:235
N12:71	-MOV- -SUB-	2:231 2:231 2:231 2:231
N12:90	PID151 -MOV- -PID-	3:33 2:244
N12:90/1	- () -	2:242
N12:91	-CLR-	3:34
N12:92	PIDSP151 -MOV-	2:243
N12:101	-MOV- -SUB-	2:239 2:239 2:239 2:239
N12:120	PID152 -MOV- -PID-	3:35 2:252
N12:120/1	- () -	2:250
N12:121	-CLR-	3:36

Address	Symbol / Instruction	Comment / File Number:Rung Number
N12:122	PIDSP152 -MOV-	2:251
N12:131	-MOV- -SUB-	2:247 2:247 2:247 2:247
N12:150	PID153 -MOV- -PID-	3:37 2:260
N12:150/1	-()-	2:258
N12:151	-CLR-	3:38
N12:152	PIDSP153 -MOV-	2:259
N12:161	-MOV- -SUB-	2:255 2:255 2:255 2:255
N12:180	PID154 -MOV- -PID-	3:39 2:268
N12:180/1	-()-	2:266
N12:181	-CLR-	3:40
N12:182	PIDSP154 -MOV-	2:267
N12:191	-MOV- -SUB-	2:263 2:263 2:263 2:263
N13:0	PID160 -MOV- -PID-	3:41 2:276
N13:0/1	-()-	2:274
N13:1	-CLR-	3:42
N13:2	PIDSP160 -MOV-	2:275
N13:11	-ADD- -MOV-	2:271 2:271 2:271 2:271

Address	Symbol / Instruction	Comment / File Number:Rung Number
N13:30	PID161 -MOV- 3:43 -PID- 2:284	
N13:30/1	-()-	2:282
N13:31	-CLR- 3:44	
N13:32	PIDSP161 -MOV- 2:283	
N13:41	-MOV- 2:279 -SUB- 2:279	2:279 2:279
N13:60	PID162 -MOV- 3:45 -PID- 2:293	
N13:60/1	-()-	2:291
N13:61	-CLR- 3:46	
N13:62	PIDSP162 -MOV- 2:292	
N13:71	-MOV- 2:288 -SUB- 2:288	2:288 2:288
N13:90	PID163 -MOV- 3:47 -PID- 2:456	
N13:90/1	-()-	2:454
N13:91	-CLR- 3:48	
N13:92	PIDSP163 -MOV- 2:455	
N13:101	-MOV- 2:451 -SUB- 2:451	2:451 2:451
N13:120	PID164 -MOV- 3:49 -PID- 2:464	
N13:120/1	-()-	2:462

Address	Symbol / Instruction	Comment / File Number:Rung Number
N13:121	-CLR-	3:50
N13:122	PIDSP164 -MOV-	2:463
N13:131	-MOV- -SUB-	2:459 2:459 2:459 2:459
N13:150	PID170B -MOV- -PID-	3:51 2:472
N13:150/1	-()-	2:470
N13:151	-CLR-	3:52
N13:152	PIDSP170B -MOV-	2:471
N13:161	-MOV- -SUB-	2:467 2:467 2:467 2:467
N13:180	PID170V -MOV- -PID-	3:53 2:480
N13:180/1	-()-	2:478
N13:181	-CLR-	3:54
N13:182	PIDSP170V -MOV-	2:479
N13:191	-MOV- -SUB-	2:475 2:475 2:475 2:475
N14:0	PID171B -MOV- -PID-	3:55 2:488
N14:0/1	-()-	2:486
N14:1	-CLR-	3:56
N14:2	PIDSP171B -MOV-	2:487

Address	Symbol / Instruction	Comment / File Number:Rung Number
N14:11	-MOV-	2:483 2:483 2:483
N14:30	PID171V -MOV- -PID-	3:57 2:496
N14:30/1	-()-	2:494
N14:31	-CLR-	3:58
N14:32	PIDSP171V -MOV-	2:495
N14:41	-MOV- -SUB-	2:491 2:491 2:491 2:483 2:491
N14:60	PID172B -MOV- -PID-	3:59 2:504
N14:60/1	-()-	2:502
N14:61	-CLR-	3:60
N14:62	PIDSP172B -MOV-	2:503
N14:71	-MOV- -SUB-	2:499 2:499 2:499 2:499
N14:90	PID172V -MOV- -PID-	3:61 2:512
N14:90/1	-()-	2:510
N14:91	-CLR-	3:62
N14:92	PIDSP172V -MOV-	2:511
N14:101	-MOV- -SUB-	2:507 2:507 2:507 2:507 2:531
N14:120	PID173B -MOV- -PID-	3:63 2:520

Address	Symbol / Instruction	Comment / File Number:Rung Number
N14:120/1	- ()-	2:518
N14:121	-CLR-	3:64
N14:122	PIDSP173B -MOV-	2:519
N14:131	-MOV- -SUB-	2:515 2:515 2:515 2:515
N14:150	PID173V -MOV- -PID-	3:65 2:528
N14:150/1	- ()-	2:526
N14:151	-CLR-	3:66
N14:152	PIDSP173V -MOV-	2:527
N14:161	-MOV- -SUB-	2:523 2:523 2:523 2:523
N14:180	PID174B -MOV- -PID-	3:67 2:536
N14:180/1	- ()-	2:534
N14:181	-CLR-	3:68
N14:182	PIDSP174B -MOV-	2:535
N14:191	-MOV-	2:531 2:531 2:531
N15:0	PID174V -MOV- -PID-	3:69 2:545
N15:0/1	- ()-	2:543
N15:1	-CLR-	3:70
N15:2	PIDSP174V -MOV-	2:544

Address	Symbol / Instruction	Comment / File Number:Rung Number
N15:11	-MOV- -SUB-	2:540 2:540 2:540 2:540
N15:30	PID175B -MOV- -PID-	3:71 2:678
N15:30/1	-()-	2:676
N15:31	-CLR-	3:72
N15:32	PIDSP175B -MOV-	2:677
N15:41	-MOV- -SUB-	2:673 2:673 2:673 2:673
N15:60	PID175V -MOV- -PID-	3:73 2:686
N15:60/1	-()-	2:684
N15:61	-CLR-	3:74
N15:62	PIDSP175V -MOV-	2:685
N15:71	-MOV- -SUB-	2:681 2:681 2:681 2:681
N15:90	PID176B -MOV- -PID-	3:75 2:694
N15:90/1	-()-	2:692
N15:91	-CLR-	3:76
N15:92	PIDSP176B -MOV-	2:693
N15:101	-MOV- -SUB-	2:689 2:689 2:689 2:697 2:697 2:697 2:689 2:697
N15:120	PID176V -MOV- -PID-	3:77 2:702

Address	Symbol / Instruction	Comment / File Number:Rung Number
N15:120/1	-()-	2:700
N15:121	-CLR-	3:78
N15:122	PIDSP176V -MOV-	2:701
N15:150	PID177B -MOV- -PID-	3:79 2:710
N15:150/1	-()-	2:708
N15:151	-CLR-	3:80
N15:152	PIDSP177B -MOV-	2:709
N15:161	-MOV- -SUB-	2:705 2:705 2:705 2:705
N15:180	PID177V -MOV- -PID-	3:81 2:718
N15:180/1	-()-	2:716
N15:181	-CLR-	3:82
N15:182	PIDSP177V -MOV-	2:717
N15:191	-MOV- -SUB-	2:713 2:713 2:713 2:713
N16:0	PID178B -MOV- -PID-	3:83 2:726
N16:0/1	-()-	2:724
N16:1	-CLR-	3:84
N16:2	PIDSP178B -MOV-	2:725

Address	Symbol / Instruction	Comment / File Number:Rung Number
N16:11	-MOV- -SUB-	2:721 2:721 2:721 2:721
N16:30	PID178V -MOV- -PID-	3:85 2:734
N16:30/1	- () -	2:732
N16:31	-CLR-	3:86
N16:32	PIDSP178V -MOV-	2:733
N16:41	-MOV- -SUB-	2:729 2:729 2:729 2:729
N16:60	PID179B -MOV- -PID-	3:87 2:743
N16:60/1	- () -	2:741
N16:61	-CLR-	3:88
N16:62	PIDSP179B -MOV-	2:742
N16:71	-MOV- -SUB-	2:737 2:737 2:737 2:737
N16:90	PID179V -MOV- -PID-	3:89 2:876
N16:90/1	- () -	2:874
N16:91	-CLR-	3:90
N16:92	PIDSP179V -MOV-	2:875
N16:101	-MOV- -SUB-	2:871 2:871 2:871 2:871
N16:120	PID180B -MOV- -PID-	3:91 2:884

Address	Symbol / Instruction	Comment / File Number:Rung Number
N16:120/1	-()-	2:882
N16:121	-CLR-	3:92
N16:122	PIDSP180B -MOV-	2:883
N16:131	-MOV- -SUB-	2:879 2:879 2:879 2:879
N16:150	PID180V -MOV- -PID-	3:93 2:892
N16:150/1	-()-	2:890
N16:151	-CLR-	3:94
N16:152	PIDSP180V -MOV-	2:891
N16:161	-MOV- -SUB-	2:887 2:887 2:887 2:887
N16:180	PID181B -MOV- -PID-	3:95 2:900
N16:180/1	-()-	2:898
N16:181	-CLR-	3:96
N16:182	PIDSP181B -MOV-	2:899
N16:191	-MOV- -SUB-	2:895 2:895 2:895 2:895
N17:0	PID181V -MOV- -PID-	3:97 2:908
N17:0/1	-()-	2:906
N17:1	-CLR-	3:98

Address	Symbol / Instruction	Comment / File Number:Rung Number
N17:2	PIDSP181V -MOV-	2:907
N17:11	-MOV- -SUB-	2:903 2:903 2:903 2:903
N17:30	PID182B -MOV- -PID-	3:99 2:916
N17:30/1	-()-	2:914
N17:31	-CLR-	3:100
N17:32	PIDSP182B -MOV-	2:915
N17:41	-MOV- -SUB-	2:911 2:911 2:911 2:911
N17:60	PID182V -MOV- -PID-	3:101 2:924
N17:60/1	-()-	2:922
N17:61	-CLR-	3:102
N17:62	PIDSP182V -MOV-	2:923
N17:71	-MOV- -SUB-	2:919 2:919 2:919 2:919
N17:90	PID183B -MOV- -PID-	3:103 2:932
N17:90/1	-()-	2:930
N17:91	-CLR-	3:104
N17:92	PIDSP183B -MOV-	2:931
N17:101	-MOV- -SUB-	2:927 2:927 2:927 2:927

Address	Symbol / Instruction	Comment / File Number:Rung Number
N17:120	PID183V -MOV- 3:105 -PID- 2:941	
N17:120/1	-()- 2:939	
N17:121	-CLR- 3:106	
N17:122	PIDSP183V -MOV- 2:940	
N17:131	-MOV- 2:935 2:935 2:935 -SUB- 2:935	
N18:0	R1_143 -MOV- 2:4 2:215 2:215 -SUB- 2:215	
N18:1	R1_144 -MOV- 2:5 2:223 2:223 -SUB- 2:223	
N18:2	R1_150 -MOV- 2:6 2:231 2:231 -SUB- 2:231	
N18:3	R1_151 -MOV- 2:7 2:239 2:239 -SUB- 2:239	
N18:4	R1_152 -MOV- 2:8 2:247 2:247 -SUB- 2:247	
N18:5	R1_153 -MOV- 2:9 2:255 2:255 -SUB- 2:255	
N18:6	R1_154 -MOV- 2:10 2:263 2:263 -SUB- 2:263	
N18:7	R1_160 -MOV- 2:11 2:271 2:271 -SUB- 2:271	
N18:8	R1_161 -MOV- 2:12 2:279 2:279 -SUB- 2:279	
N18:9	R1_162 -MOV- 2:13 2:288 2:288 -SUB- 2:288	

Cross Reference

Processor File: SODIUM2A.ACH

Address	Symbol / Instruction	Comment / File Number:Rung Number
N18:10	R1_163 -MOV- -SUB-	2:14 2:451 2:451 2:451
N18:11	R1_164 -MOV- -SUB-	2:15 2:459 2:459 2:459
N18:12	R1_170B -MOV- -SUB-	2:16 2:467 2:467 2:467
N18:13	R1_170V -MOV- -SUB-	2:17 2:475 2:475 2:475
N18:14	R1_171B -MOV- -SUB-	2:18 2:483 2:483 2:483
N18:15	R1_171V -MOV- -SUB-	2:19 2:491 2:491 2:491
N18:16	R1_172B -MOV- -SUB-	2:20 2:499 2:499 2:499
N18:17	R1_172V -MOV- -SUB-	2:21 2:507 2:507 2:507
N18:18	R1_173B -MOV- -SUB-	2:22 2:515 2:515 2:515
N18:19	R1_173V -MOV- -SUB-	2:523 2:523 2:523
N18:20	R1_174B -MOV- -SUB-	2:531 2:531 2:531
N18:21	R1_174V -MOV- -SUB-	2:23 2:540 2:540 2:540
N18:22	R1_175B -MOV- -SUB-	2:24 2:673 2:673 2:673
N18:23	R1_175V -MOV- -SUB-	2:25 2:681 2:681 2:681

Address	Symbol / Instruction	Comment / File Number:Rung Number
N18:24	R1_176B -MOV- -SUB-	2:26 2:689 2:689 2:689
N18:25	R1_176V -MOV- -SUB-	2:27 2:697 2:697 2:697
N18:26	R1_177B -MOV- -SUB-	2:28 2:705 2:705 2:705
N18:27	R1_177V -MOV- -SUB-	2:29 2:713 2:713 2:713
N18:28	R1_178B -MOV- -SUB-	2:30 2:721 2:721 2:721
N18:29	R1_178V -MOV- -SUB-	2:729 2:729 2:729
N18:30	R1_179B -MOV- -SUB-	2:737 2:737 2:737
N18:31	R1_179V -MOV- -SUB-	2:31 2:871 2:871 2:871
N18:32	R1_180B -MOV- -SUB-	2:32 2:879 2:879 2:879
N18:33	R1_180V -MOV- -SUB-	2:33 2:887 2:887 2:887
N18:34	R1_181B -MOV- -SUB-	2:34 2:895 2:895 2:895
N18:35	R1_181V -MOV- -SUB-	2:35 2:903 2:903 2:903
N18:36	R1_182B -MOV- -SUB-	2:36 2:911 2:911 2:911
N18:37	R1_182V -MOV- -SUB-	2:37 2:919 2:919 2:919

Address	Symbol / Instruction	Comment / File Number:Rung Number
N18:38	R1_183B -MOV- -SUB-	2:38 2:927 2:927 2:927
N18:39	R1_183V -MOV- -SUB-	2:39 2:935 2:935 2:935
N19:0	R2_143 -MOV- -SUB-	2:4 2:215 2:215
N19:1	R2_144 -MOV- -SUB-	2:5 2:223 2:223
N19:2	R2_150 -MOV- -SUB-	2:6 2:231 2:231
N19:3	R2_151 -MOV- -SUB-	2:7 2:239 2:239
N19:4	R2_152 -MOV- -SUB-	2:8 2:247 2:247
N19:5	R2_153 -MOV- -SUB-	2:9 2:255 2:255
N19:6	R2_154 -MOV- -SUB-	2:10 2:263 2:263
N19:7	R2_160 -MOV- -SUB-	2:11 2:271 2:271
N19:8	R2_161 -MOV- -SUB-	2:12 2:279 2:279
N19:9	R2_162 -MOV- -SUB-	2:13 2:288 2:288
N19:10	R2_163 -MOV- -SUB-	2:14 2:451 2:451
N19:11	R2_164 -MOV- -SUB-	2:15 2:459 2:459

Address	Symbol / Instruction	Comment / File Number:Rung Number
N19:12	R2_170B -MOV- -SUB-	2:16 2:467 2:467
N19:13	R2_170V -MOV- -SUB-	2:17 2:475 2:475
N19:14	R2_171B -MOV- -SUB-	2:18 2:483 2:483
N19:15	R2_171V -MOV- -SUB-	2:19 2:491 2:491
N19:16	R2_172B -MOV- -SUB-	2:20 2:499 2:499
N19:17	R2_172V -MOV- -SUB-	2:21 2:507 2:507
N19:18	R2_173B -MOV- -SUB-	2:22 2:515 2:515
N19:19	R2_173V -MOV- -SUB-	2:523 2:523
N19:20	R2_174B -MOV- -SUB-	2:531 2:531
N19:21	R2_174V -MOV- -SUB-	2:23 2:540 2:540
N19:22	R2_175B -MOV- -SUB-	2:24 2:673 2:673
N19:23	R2_175V -MOV- -SUB-	2:25 2:681 2:681
N19:24	R2_176B -MOV- -SUB-	2:26 2:689 2:689
N19:25	R2_176V -MOV- -SUB-	2:27 2:697 2:697

Address	Symbol / Instruction	Comment / File Number:Rung Number
N19:26	R2_177B -MOV- -SUB-	2:28 2:705 2:705
N19:27	R2_177V -MOV- -SUB-	2:29 2:713 2:713
N19:28	R2_178B -MOV- -SUB-	2:30 2:721 2:721
N19:29	R2_178V -MOV- -SUB-	2:729 2:729
N19:30	R2_179B -MOV- -SUB-	2:737 2:737
N19:31	R2_179V -MOV- -SUB-	2:31 2:871 2:871
N19:32	R2_180B -MOV- -SUB-	2:32 2:879 2:879
N19:33	R2_180V -MOV- -SUB-	2:33 2:887 2:887
N19:34	R2_181B -MOV- -SUB-	2:34 2:895 2:895
N19:35	R2_181V -MOV- -SUB-	2:35 2:903 2:903
N19:36	R2_182B -MOV- -SUB-	2:36 2:911 2:911
N19:37	R2_182V -MOV- -SUB-	2:37 2:919 2:919
N19:38	R2_183B -MOV- -SUB-	2:38 2:927 2:927
N19:39	R2_183V -MOV- -SUB-	2:39 2:935 2:935

Cross Reference

Processor File: SODIUM2A.ACH

Address	Symbol / Instruction	Comment / File Number:Rung Number
N20:0	DIF1_143	
	-MOV-	2:4 2:215
	-MUL-	2:215 2:215 2:215
	-SUB-	2:215 2:215 2:215 2:215
N20:1	DIF1_144	
	-MOV-	2:5 2:223
	-MUL-	2:223 2:223 2:223
	-SUB-	2:223 2:223 2:223 2:223
N20:2	DIF1_150	
	-MOV-	2:6 2:231
	-MUL-	2:231 2:231 2:231
	-SUB-	2:231 2:231 2:231 2:231
N20:3	DIF1_151	
	-MOV-	2:7 2:239
	-MUL-	2:239 2:239 2:239
	-SUB-	2:239 2:239 2:239 2:239
N20:4	DIF1_152	
	-MOV-	2:8 2:247
	-MUL-	2:247 2:247 2:247
	-SUB-	2:247 2:247 2:247 2:247
N20:5	DIF1_153	
	-MOV-	2:9 2:255
	-MUL-	2:255 2:255 2:255
	-SUB-	2:255 2:255 2:255 2:255
N20:6	DIF1_154	
	-MOV-	2:10 2:263
	-MUL-	2:263 2:263 2:263
	-SUB-	2:263 2:263 2:263 2:263
N20:7	DIF1_160	
	-MOV-	2:11 2:271
	-MUL-	2:271 2:271 2:271
	-SUB-	2:271 2:271 2:271 2:271
N20:8	DIF1_161	
	-MOV-	2:12 2:279
	-MUL-	2:279 2:279 2:279
	-SUB-	2:279 2:279 2:279 2:279
N20:9	DIF1_162	
	-MOV-	2:13 2:288
	-MUL-	2:288 2:288 2:288
	-SUB-	2:288 2:288 2:288 2:288
N20:10	DIF1_163	
	-MOV-	2:14 2:451
	-MUL-	2:451 2:451 2:451
	-SUB-	2:451 2:451 2:451 2:451

Address	Symbol / Instruction	Comment / File Number:Rung Number
N20:11	DIF1_164 -MOV- -MUL- -SUB-	2:15 2:459 2:459 2:459 2:459 2:459 2:459 2:459 2:459
N20:12	DIF1_170B -MOV- -MUL- -SUB-	2:16 2:467 2:467 2:467 2:467 2:467 2:467 2:467 2:467
N20:13	DIF1_170V -MOV- -MUL- -SUB-	2:17 2:475 2:475 2:475 2:475 2:475 2:475 2:475 2:475
N20:14	DIF1_171B -MOV- -MUL- -SUB-	2:18 2:483 2:483 2:483 2:483 2:483 2:483 2:483 2:483
N20:15	DIF1_171V -MOV- -MUL- -SUB-	2:19 2:491 2:491 2:491 2:491 2:491 2:491 2:491 2:491
N20:16	DIF1_172B -MOV- -MUL- -SUB-	2:20 2:499 2:499 2:499 2:499 2:499 2:499 2:499 2:499
N20:17	DIF1_172V -MOV- -MUL- -SUB-	2:21 2:507 2:507 2:507 2:507 2:721 2:507 2:507 2:507 2:507
N20:18	DIF1_173B -MOV- -MUL- -SUB-	2:22 2:515 2:515 2:515 2:515 2:515 2:515 2:515 2:515
N20:19	DIF1_173V -MOV- -MUL- -SUB-	2:523 2:523 2:523 2:523 2:523 2:523 2:523 2:523
N20:20	DIF1_174B -MOV- -MUL- -SUB-	2:531 2:531 2:531 2:531 2:531 2:531 2:531 2:531
N20:21	DIF1_174V -MOV- -MUL- -SUB-	2:23 2:540 2:540 2:540 2:540 2:540 2:540 2:540 2:540

Address	Symbol / Instruction	Comment / File Number:Rung Number
N20:22	DIF1_175B -MOV- -MUL- -SUB-	2:24 2:673 2:673 2:673 2:673 2:673 2:673 2:673 2:673
N20:23	DIF1_175V -MOV- -MUL- -SUB-	2:25 2:681 2:681 2:681 2:681 2:681 2:681 2:681 2:681
N20:24	DIF1_176B -MOV- -MUL- -SUB-	2:26 2:689 2:689 2:689 2:689 2:689 2:689 2:689 2:689
N20:25	DIF1_176V -MOV- -MUL- -SUB-	2:27 2:697 2:697 2:697 2:697 2:697 2:697 2:697 2:697
N20:26	DIF1_177B -MOV- -MUL- -SUB-	2:28 2:705 2:705 2:705 2:705 2:705 2:705 2:705 2:705
N20:27	DIF1_177V -MOV- -MUL- -SUB-	2:29 2:713 2:713 2:713 2:713 2:713 2:713 2:713 2:713
N20:28	DIF1_178B -MOV- -MUL- -SUB-	2:30 2:721 2:721 2:721 2:721 2:721 2:721 2:721
N20:29	DIF1_178V -MOV- -MUL- -SUB-	2:729 2:729 2:729 2:729 2:729 2:729 2:729 2:729
N20:30	DIF1_179B -MOV- -MUL- -SUB-	2:737 2:737 2:737 2:737 2:737 2:737 2:737 2:737
N20:31	DIF1_179V -MOV- -MUL- -SUB-	2:31 2:871 2:871 2:871 2:871 2:871 2:871 2:871 2:871
N20:32	DIF1_180B -MOV- -MUL- -SUB-	2:32 2:879 2:879 2:879 2:879 2:879 2:879 2:879 2:879

Address	Symbol / Instruction	Comment / File Number:Rung Number
N20:33	DIF1_180V -MOV- -MUL- -SUB-	2:33 2:887 2:887 2:887 2:887 2:887 2:887 2:887 2:887
N20:34	DIF1_181B -MOV- -MUL- -SUB-	2:34 2:895 2:895 2:895 2:895 2:895 2:895 2:895 2:895
N20:35	DIF1_181V -MOV- -MUL- -SUB-	2:35 2:903 2:903 2:903 2:903 2:903 2:903 2:903 2:903
N20:36	DIF1_182B -MOV- -MUL- -SUB-	2:36 2:911 2:911 2:911 2:911 2:911 2:911 2:911 2:911
N20:37	DIF1_182V -MOV- -MUL- -SUB-	2:37 2:919 2:919 2:919 2:919 2:919 2:919 2:919 2:919
N20:38	DIF1_183B -MOV- -MUL- -SUB-	2:38 2:927 2:927 2:927 2:927 2:927 2:927 2:927 2:927
N20:39	DIF1_183V -MOV- -MUL- -SUB-	2:39 2:935 2:935 2:935 2:935 2:935 2:935 2:935 2:935
N21:0	DIF2_143 -MOV- -SUB-	2:4 2:215 2:215
N21:1	DIF2_144 -MOV- -SUB-	2:5 2:223 2:223
N21:2	DIF2_150 -MOV- -SUB-	2:6 2:231 2:231
N21:3	DIF2_151 -MOV- -SUB-	2:7 2:239 2:239
N21:4	DIF2_152 -MOV- -SUB-	2:8 2:247 2:247
N21:5	DIF2_153 -MOV- -SUB-	2:9 2:255 2:255

Address	Symbol / Instruction	Comment / File Number:Rung Number
N21:6	DIF2_154 -MOV- 2:10 2:263 -SUB- 2:263	
N21:7	DIF2_160 -MOV- 2:11 2:271 -SUB- 2:271	
N21:8	DIF2_161 -MOV- 2:12 2:279 -SUB- 2:279	
N21:9	DIF2_162 -MOV- 2:13 2:288 -SUB- 2:288	
N21:10	DIF2_163 -MOV- 2:14 2:451 -SUB- 2:451	
N21:11	DIF2_164 -MOV- 2:15 2:459 -SUB- 2:459	
N21:12	DIF2_170B -MOV- 2:16 2:467 -SUB- 2:467	
N21:13	DIF2_170V -MOV- 2:17 2:475 -SUB- 2:475	
N21:14	DIF2_171B -MOV- 2:18 2:483 -SUB- 2:483	
N21:15	DIF2_171V -MOV- 2:19 2:491 -SUB- 2:491	
N21:16	DIF2_172B -MOV- 2:20 2:499 -SUB- 2:499	
N21:17	DIF2_172V -MOV- 2:21 2:507 -SUB- 2:507	
N21:18	DIF2_173B -MOV- 2:22 2:515 -SUB- 2:515	
N21:19	DIF2_173V -MOV- 2:523 -SUB- 2:523	

Address	Symbol / Instruction	Comment / File Number:Rung Number
N21:20	DIF2_174B -MOV- 2:531 -SUB- 2:531	
N21:21	DIF2_174V -MOV- 2:23 2:540 -SUB- 2:540	
N21:22	DIF2_175B -MOV- 2:24 2:673 -SUB- 2:673	
N21:23	DIF2_175V -MOV- 2:25 2:681 -SUB- 2:681	
N21:24	DIF2_176B -MOV- 2:26 2:689 -SUB- 2:689	
N21:25	DIF2_176V -MOV- 2:27 2:697 -SUB- 2:697	
N21:26	DIF2_177B -MOV- 2:28 2:705 -SUB- 2:705	
N21:27	DIF2_177V -MOV- 2:29 2:713 -SUB- 2:713	
N21:28	DIF2_178B -MOV- 2:30 2:721 -SUB- 2:721	
N21:29	DIF2_178V -MOV- 2:729 -SUB- 2:729	
N21:30	DIF2_179B -MOV- 2:737 -SUB- 2:737	
N21:31	DIF2_179V -MOV- 2:31 2:871 -SUB- 2:871	
N21:32	DIF2_180B -MOV- 2:32 2:879 -SUB- 2:879	
N21:33	DIF2_180V -MOV- 2:33 2:887 -SUB- 2:887	

Address	Symbol / Instruction	Comment / File Number:Rung Number
N21:34	DIF2_181B -MOV- -SUB-	2:34 2:895 2:895
N21:35	DIF2_181V -MOV- -SUB-	2:35 2:903 2:903
N21:36	DIF2_182B -MOV- -SUB-	2:36 2:911 2:911
N21:37	DIF2_182V -MOV- -SUB-	2:37 2:919 2:919
N21:38	DIF2_183B -MOV- -SUB-	2:38 2:927 2:927
N21:39	DIF2_183V -MOV- -SUB-	2:39 2:935 2:935
N22:0	ACC -ADD- -EQU- -GRT- -LES- -LIM-	2:215 2:215 2:215 2:223 2:223 2:223 2:231 2:231 2:231 2:239 2:239 2:239 2:247 2:247 2:247 2:255 2:255 2:255 2:263 2:263 2:263 2:271 2:271 2:271 2:271 2:279 2:279 2:279 2:288 2:288 2:288 2:451 2:451 2:451 2:459 2:459 2:459 2:467 2:467 2:467 2:475 2:475 2:475 2:483 2:483 2:483 2:491 2:491 2:491 2:499 2:499 2:499 2:507 2:507 2:507 2:515 2:515 2:515 2:523 2:523 2:523 2:531 2:531 2:531 2:540 2:540 2:540 2:673 2:673 2:673 2:681 2:681 2:681 2:689 2:689 2:689 2:697 2:697 2:697 2:705 2:705 2:705 2:713 2:713 2:713 2:721 2:721 2:721 2:729 2:729 2:729 2:737 2:737 2:737 2:871 2:871 2:871 2:879 2:879 2:879 2:887 2:887 2:887 2:895 2:895 2:895 2:903 2:903 2:903 2:911 2:911 2:911 2:919 2:919 2:919 2:919 2:927 2:927 2:927 2:935 2:935 2:215 2:215 2:223 2:223 2:231 2:231 2:239 2:239 2:247 2:247 2:255 2:255 2:263 2:263 2:271 2:271 2:279 2:279 2:288 2:288 2:451 2:451 2:459 2:459 2:467 2:467 2:475 2:475 2:483 2:483 2:491 2:491 2:499 2:499 2:507 2:507 2:515 2:515 2:523 2:523 2:531 2:531 2:540 2:540 2:673 2:673 2:681 2:681 2:689 2:689 2:697 2:697 2:705 2:705 2:713 2:713 2:721 2:721 2:729 2:729 2:737 2:737 2:871 2:871 2:879 2:879 2:887 2:887 2:887 2:895 2:895 2:903 2:903 2:911 2:911 2:919 2:919 2:927 2:927 2:935 2:935 2:215 2:223 2:231 2:239 2:247 2:255 2:263 2:271 2:279 2:288 2:451 2:459 2:467 2:475 2:483 2:491 2:499 2:507 2:515 2:523 2:531 2:540 2:673 2:681 2:689 2:697 2:705 2:713 2:721 2:729 2:737 2:871 2:879 2:887 2:895 2:903 2:911 2:919 2:927 2:935 2:215 2:223 2:231 2:239 2:247 2:255 2:263 2:271 2:279 2:288 2:451 2:459 2:467 2:475 2:483 2:491 2:499 2:507 2:515 2:523 2:531 2:540 2:673 2:681 2:689 2:697 2:705 2:713 2:721 2:729 2:737 2:871 2:879 2:887 2:895 2:903 2:911 2:919 2:927 2:935

Address	Symbol / Instruction	Comment / File Number:	Rung	Number
	-MOV-	2:215 2:223 2:231 2:239 2:247 2:255 2:263 2:271 2:279 2:288		
		2:451 2:459 2:467 2:475 2:483 2:491 2:499 2:507 2:515 2:523		
		2:531 2:540 2:673 2:681 2:689 2:697 2:705 2:713 2:721 2:729		
		2:737 2:871 2:879 2:887 2:895 2:903 2:911 2:919 2:927 2:935		
	-MUL-	2:215 2:215 2:215 2:223 2:223 2:223 2:231 2:231 2:231 2:239		
		2:239 2:239 2:247 2:247 2:247 2:255 2:255 2:255 2:263 2:263		
		2:263 2:271 2:271 2:271 2:279 2:279 2:279 2:288 2:288 2:288		
		2:451 2:451 2:451 2:459 2:459 2:459 2:467 2:467 2:467 2:475		
		2:475 2:475 2:483 2:483 2:483 2:491 2:491 2:491 2:499 2:499		
		2:499 2:507 2:507 2:507 2:515 2:515 2:515 2:523 2:523 2:523		
		2:531 2:531 2:531 2:540 2:540 2:540 2:673 2:673 2:673 2:681		
		2:681 2:681 2:689 2:689 2:689 2:697 2:697 2:697 2:705 2:705		
		2:705 2:713 2:713 2:713 2:721 2:721 2:721 2:729 2:729 2:729		
		2:737 2:737 2:737 2:871 2:871 2:871 2:879 2:879 2:879 2:887		
		2:887 2:887 2:895 2:895 2:895 2:903 2:903 2:903 2:911 2:911		
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	-SUB-	2:215 2:215 2:215 2:223 2:223 2:223 2:231 2:231 2:231 2:239		
		2:239 2:239 2:247 2:247 2:247 2:255 2:255 2:255 2:263 2:263		
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		2:507 2:507 2:507 2:515 2:515 2:515 2:523 2:523 2:523 2:531		
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		2:681 2:689 2:689 2:689 2:697 2:697 2:697 2:705 2:705 2:705		
		2:713 2:713 2:713 2:721 2:721 2:721 2:729 2:729 2:729 2:737		
		2:737 2:737 2:871 2:871 2:871 2:879 2:879 2:879 2:887 2:887		
		2:887 2:895 2:895 2:895 2:903 2:903 2:903 2:911 2:911 2:911		
		2:919 2:919 2:919 2:927 2:927 2:927 2:935 2:935 2:935		
N22:1	ACC1			
	-ADD-	2:215 2:215 2:223 2:223 2:231 2:231 2:239 2:239 2:247 2:247		
		2:255 2:255 2:263 2:263 2:271 2:271 2:271 2:279 2:279 2:288		
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		2:689 2:697 2:697 2:705 2:705 2:713 2:713 2:721 2:721 2:729		
		2:729 2:737 2:737 2:871 2:871 2:879 2:879 2:887 2:887 2:895		
		2:895 2:903 2:903 2:911 2:911 2:919 2:919 2:927 2:927 2:935		
		2:935		
	-MUL-	2:215 2:215 2:215 2:223 2:223 2:223 2:231 2:231 2:231 2:239		
		2:239 2:239 2:247 2:247 2:247 2:255 2:255 2:255 2:263 2:263		
		2:263 2:271 2:271 2:271 2:279 2:279 2:279 2:288 2:288 2:288		
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		2:475 2:475 2:483 2:483 2:483 2:491 2:491 2:491 2:499 2:499		
		2:499 2:507 2:507 2:507 2:515 2:515 2:515 2:523 2:523 2:523		
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		2:705 2:713 2:713 2:713 2:721 2:721 2:721 2:729 2:729 2:729		
		2:737 2:737 2:737 2:871 2:871 2:871 2:879 2:879 2:879 2:887		
		2:887 2:887 2:895 2:895 2:895 2:903 2:903 2:903 2:911 2:911		
		2:911 2:919 2:919 2:919 2:927 2:927 2:927 2:935 2:935 2:935		
	-SUB-	2:215 2:223 2:231 2:239 2:247 2:255 2:263 2:279 2:288 2:451		
		2:459 2:467 2:475 2:483 2:491 2:499 2:507 2:515 2:523 2:531		
		2:540 2:673 2:681 2:689 2:697 2:705 2:713 2:721 2:729 2:737		
		2:871 2:879 2:887 2:895 2:903 2:911 2:919 2:927 2:935		

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	-CLR-	2:4 2:5 2:6 2:7 2:8 2:9 2:10 2:11 2:12 2:13 2:14 2:15 2:16 2:17 2:18 2:19 2:20 2:21 2:22 2:23 2:24 2:25 2:26 2:27 2:28 2:29 2:30 2:31 2:32 2:33 2:34 2:35 2:36 2:37 2:38 2:39
	-MUL-	2:215 2:215 2:215 2:223 2:223 2:223 2:231 2:231 2:231 2:239 2:239 2:239 2:247 2:247 2:247 2:255 2:255 2:263 2:263 2:263 2:263 2:271 2:271 2:271 2:279 2:279 2:279 2:288 2:288 2:288 2:451 2:451 2:451 2:459 2:459 2:459 2:467 2:467 2:475 2:475 2:475 2:483 2:483 2:483 2:491 2:491 2:491 2:499 2:499 2:499 2:507 2:507 2:507 2:507 2:515 2:515 2:523 2:523 2:523 2:531 2:531 2:531 2:540 2:540 2:540 2:673 2:673 2:673 2:681 2:681 2:681 2:689 2:689 2:689 2:697 2:697 2:705 2:705 2:705 2:705 2:713 2:713 2:713 2:721 2:721 2:721 2:729 2:729 2:729 2:737 2:737 2:737 2:871 2:871 2:871 2:879 2:879 2:887 2:887 2:887 2:895 2:895 2:895 2:903 2:903 2:903 2:911 2:911 2:911 2:919 2:919 2:919 2:927 2:927 2:927 2:935 2:935 2:935 -SUB- 2:215 2:223 2:231 2:239 2:247 2:255 2:263 2:271 2:279 2:288 2:451 2:459 2:467 2:475 2:483 2:491 2:499 2:507 2:515 2:523 2:531 2:540 2:673 2:681 2:689 2:697 2:705 2:713 2:721 2:729 2:737 2:871 2:879 2:887 2:895 2:903 2:911 2:919 2:927 2:935
N22:3	DDIF2	
	-CLR-	2:4 2:5 2:6 2:7 2:8 2:9 2:10 2:11 2:12 2:13 2:14 2:15 2:16 2:17 2:18 2:19 2:20 2:21 2:22 2:23 2:24 2:25 2:26 2:27 2:28 2:29 2:30 2:31 2:32 2:33 2:34 2:35 2:36 2:37 2:38 2:39
N22:5/1	DN_1	
	-] [-	2:43
	-]/[-	2:44
	-(L)-	2:50
	-(U)-	2:40 2:43
N22:5/2	DN_2	
	-] [-	2:43
	-]/[-	2:45
	-(L)-	2:296
	-(U)-	2:40 2:43
N22:5/3	DN_3	
	-] [-	2:43
	-]/[-	2:46 2:671
	-(L)-	2:548
	-(U)-	2:40 2:40 2:43
N22:5/4	DN_4	
	-] [-	2:43
	-]/[-	2:47 2:869
	-(L)-	2:746
	-(U)-	2:43
N22:5/5	DNR_1	
	-] [-	2:43
	-(L)-	2:287
	-(U)-	2:43

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N22:5/6	DNR_2	
	-J [-	2:43
	-(L)-	2:539
	-(U)-	2:43
N22:5/7	DNR_3	
	-J [-	2:43
	-(L)-	2:738
	-(U)-	2:43
N22:5/8	DNR_4	
	-J [-	2:43
	-(L)-	2:936
	-(U)-	2:43
N22:6/1	DEV_1	
	-J [-	2:170 2:171 2:174 2:175 2:178 2:179 2:180 2:183 2:184 2:185
		2:188 2:189 2:192 2:193 2:196 2:197 2:200 2:201 2:202 2:205
		2:206 2:207 2:210 2:211 2:213 2:423
	-(L)-	2:131
	-(U)-	2:167
N22:6/2	DEV_2	
	-J [-	2:402 2:403 2:406 2:407 2:410 2:411 2:414 2:415 2:418 2:422
		2:426 2:427 2:430 2:431 2:434 2:435 2:438 2:439 2:442 2:443
		2:446 2:447 2:449
	-(L)-	2:361
	-(U)-	2:399
N22:6/3	DEV_3	
	-J [-	2:635 2:636 2:639 2:640 2:643 2:644 2:647 2:648 2:651 2:652
		2:655 2:656 2:659 2:660 2:663 2:664 2:667 2:668 2:670
	-(L)-	2:603
	-(U)-	2:632
N22:6/4	DEV_4	
	-J [-	2:833 2:834 2:837 2:838 2:841 2:842 2:845 2:846 2:849 2:850
		2:853 2:854 2:857 2:858 2:861 2:862 2:865 2:866 2:868
	-(L)-	2:801
	-(U)-	2:830
N22:7/0	DUMMY1	
	-()-	2:41
N22:7/1	DUMMY2	
	-()-	2:1063
N22:7/2	DUMMY3	
	-()-	2:49
N22:7/4	DUMMY5	
	-()-	2:132
N22:7/5	DUMMY6	
	-()-	2:168
N22:7/6	DUMMY7	
	-()-	2:295

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N22:7/7	DUMMY8 -()-	2:942
N22:7/8	DUMMY9 -()-	2:362
N22:7/9	DUMMY10 -()-	2:400
N22:7/10	DUMMY11 -()-	2:604
N22:7/11	DUMMY12 -()-	2:633
N22:7/12	DUMMY13 -()-	2:802
N22:7/13	DUMMY14 -()-	2:547
N22:7/14	DUMMY15 -()-	2:745
N22:7/15	DUMMY16 -()-	2:216
N22:8/0	DUMMY17 -()-	2:224
N22:8/1	DUMMY18 -()-	2:232
N22:8/2	DUMMY19 -()-	2:240
N22:8/4	DUMMY21 -()-	2:248 2:256
N22:8/5	DUMMY22 -()-	2:264
N22:8/6	DUMMY23 -()-	2:272
N22:8/7	DUMMY24 -()-	2:280
N22:8/8	DUMMY25 -()-	2:289
N22:8/9	DUMMY26 -()-	2:452
N22:8/10	DUMMY27 -()-	2:460

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N22:8/11	DUMMY28 -()- 2:468	
N22:8/12	DUMMY29 -()- 2:476	
N22:8/13	DUMMY30 -()- 2:484	
N22:8/14	DUMMY31 -()- 2:492	
N22:8/15	DUMMY32 -()- 2:500	
N22:9/0	DUMMY33 -()- 2:508	
N22:9/1	DUMMY34 -()- 2:516	
N22:9/2	DUMMY35 -()- 2:524	
N22:9/3	DUMMY36 -()- 2:532	
N22:9/4	DUMMY37 -()- 2:541	
N22:9/5	DUMMY38 -()- 2:674	
N22:9/6	DUMMY39 -()- 2:682	
N22:9/7	DUMMY40 -()- 2:690	
N22:9/8	DUMMY41 -()- 2:698	
N22:9/9	DUMMY42 -()- 2:706	
N22:9/10	DUMMY43 -()- 2:714	
N22:9/11	DUMMY44 -()- 2:722	
N22:9/12	DUMMY45 -()- 2:730	
N22:9/13	DUMMY46 -()- 2:739	

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N22:9/14	DUMMY47 -()-	2:872
N22:9/15	DUMMY48 -()-	2:880
N22:10/0	DUMMY49 -()-	2:888
N22:10/1	DUMMY50 -()-	2:896
N22:10/2	DUMMY51 -()-	2:904
N22:10/3	DUMMY52 -()-	2:912
N22:10/4	DUMMY53 -()-	2:920
N22:10/5	DUMMY54 -()-	2:928
N22:10/6	DUMMY55 -()-	2:937
N22:10/7	DUMMY56 -()-	2:831
O:3.0	-FLL-	3:1
O:4.0	-FLL-	3:2
O:5.0	-FLL-	3:3
O:6.0	-FLL-	3:4
O:7.0	-FLL-	3:5
O:8.0	-FLL-	3:6
O:9.0	-FLL-	3:7
O:10.0	-FLL-	3:8
O:11.0	-FLL-	3:9

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O:12.0	-FLL-	3:10
O:13.0	-FLL-	3:11
O:14.0	-FLL-	3:12
O:15.0	-FLL-	3:13
O:16.0	-FLL-	3:14
O:17.0	-FLL-	3:15
O:18.0	-FLL-	3:16
O:19.0	-FLL-	3:17
O:20.0	-FLL-	3:18
O:21.0	-FLL-	3:19
O:22.0	-FLL-	3:20
O:23.0	-FLL-	3:21
O:24/0	SCR_143 -()-	2:945
O:24/1	SCR_144 -()-	2:948
O:24/2	SCR_150 -()-	2:951
O:24/3	SCR_151 -()-	2:954
O:24/4	SCR_152 -()-	2:957
O:24/5	SCR_153 -()-	2:960
O:24/6	SCR_154 -()-	2:963

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0:24/7	SCR_160 -()-	2:966
0:24/8	SCR_161 -()-	2:969
0:24/9	SCR_162 -()-	2:972
0:24/10	SCR_163 -()-	2:975
0:24/12	SCR_170B -()-	2:981
0:24/13	SCR_170V -()-	2:984
0:24/14	SCR_171B -()-	2:987
0:24/15	SCR_171V -()-	2:990
0:24/17	SCR_172V -()-	2:996
0:24/18	SCR_173B -()-	2:999
0:24/19	SCR_173V -()-	2:1002
0:24/20	SCR_174B -()-	2:1005
0:24/21	SCR_174V -()-	2:1008
0:24/22	SCR_175B -()-	2:1011
0:24/23	SCR_175V -()-	2:1014
0:24/24	SCR_176B -()-	2:1017
0:24/25	SCR_176V -()-	2:1020
0:24/26	SCR_177B -()-	2:1023
0:24/27	SCR_177V -()-	2:1026

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0:24/28	SCR_178B -()- 2:1029	
0:24/29	SCR_178V -()- 2:1032	
0:24/30	SCR_179B -()- 2:1035	
0:24/31	SCR_179V -()- 2:1038	
0:25/0	SCR_180B -()- 2:1041	
0:25/1	SCR_180V -()- 2:1044	
0:25/2	SCR_181B -()- 2:1047	
0:25/3	SCR_181V -()- 2:1050	
0:25/4	SCR_182B -()- 2:1053	
0:25/5	SCR_182V -()- 2:1056	
0:25/6	SCR_183B -()- 2:1059	
0:25/7	SCR_183V -()- 2:1062	
0:25/11	SCR_164 -()- 2:978	
0:25/16	SCR_172B -()- 2:993	
S:1/15	FIRST_PASS -] [- 2:1	

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S:5	-CLR-	2:215 2:215 2:220 2:223 2:223 2:228 2:231 2:231 2:236 2:239 2:239 2:244 2:247 2:247 2:252 2:255 2:255 2:260 2:263 2:263 2:268 2:271 2:271 2:276 2:279 2:279 2:284 2:288 2:288 2:293 2:451 2:451 2:456 2:459 2:459 2:464 2:467 2:467 2:472 2:475 2:475 2:480 2:483 2:483 2:488 2:491 2:491 2:496 2:499 2:499 2:504 2:507 2:507 2:512 2:515 2:515 2:520 2:523 2:528 2:531 2:531 2:536 2:540 2:540 2:545 2:673 2:673 2:678 2:681 2:681 2:686 2:689 2:689 2:694 2:697 2:697 2:702 2:705 2:705 2:710 2:713 2:713 2:718 2:721 2:721 2:726 2:729 2:729 2:734 2:737 2:737 2:743 2:871 2:871 2:876 2:879 2:879 2:884 2:887 2:887 2:892 2:895 2:895 2:900 2:903 2:903 2:908 2:911 2:911 2:916 2:919 2:919 2:924 2:927 2:927 2:932 2:935 2:935 2:941 2:1064
T4:1	TMR143 -RES- -TON-	2:944 2:943
T4:1.ACC	-LES-	2:945
T4:1/DN	-J [-	2:944
T4:2	TMR144 -RES- -TON-	2:947 2:946
T4:2.ACC	-LES-	2:948
T4:2/DN	-J [-	2:947
T4:3	TMR150 -RES- -TON-	2:950 2:949
T4:3.ACC	-LES-	2:951
T4:3/DN	-J [-	2:950
T4:4	TMR151 -RES- -TON-	2:953 2:952
T4:4.ACC	-LES-	2:954
T4:4/DN	-J [-	2:953
T4:5	TMR152 -RES- -TON-	2:956 2:955

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T4:16/DN	-] [-	2:989
T4:17	TMR172B -RES- -TON-	2:992 2:991
T4:17.ACC	-LES-	2:993
T4:17/DN	-] [-	2:992
T4:18	TMR172V -RES- -TON-	2:995 2:994
T4:18.ACC	-LES-	2:996
T4:18/DN	-] [-	2:995
T4:19	TMR173B -RES- -TON-	2:998 2:997
T4:19.ACC	-LES-	2:999
T4:19/DN	-] [-	2:998
T4:20	TMR173V -RES- -TON-	2:1001 2:1000
T4:20.ACC	-LES-	2:1002
T4:20/DN	-] [-	2:1001
T4:21	TMR174B -RES- -TON-	2:1004 2:1003
T4:21.ACC	-LES-	2:1005
T4:21/DN	-] [-	2:1004
T4:22	TMR174V -RES- -TON-	2:1007 2:1006

Address	Symbol / Instruction	Comment / File Number:Rung Number
T4:22.ACC	-LES-	2:1008
T4:22/DN	-] [-	2:1007
T4:23	TMR175B -RES- -TON-	2:1010 2:1009
T4:23.ACC	-LES-	2:1011
T4:23/DN	-] [-	2:1010
T4:24	TMR175V -RES- -TON-	2:1013 2:1012
T4:24.ACC	-LES-	2:1014
T4:24/DN	-] [-	2:1013
T4:25	TMR176B -RES- -TON-	2:1016 2:1015
T4:25.ACC	-LES-	2:1017
T4:25/DN	-] [-	2:1016
T4:26	TMR176V -RES- -TON-	2:1019 2:1018
T4:26.ACC	-LES-	2:1020
T4:26/DN	-] [-	2:1019
T4:27	TMR177B -RES- -TON-	2:1022 2:1021
T4:27.ACC	-LES-	2:1023
T4:27/DN	-] [-	2:1022

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T4:28	TMR177V -RES- -TON-	2:1025 2:1024
T4:28.ACC	-LES-	2:1026
T4:28/DN	-] [-	2:1025
T4:29	TMR178B -RES- -TON-	2:1028 2:1027
T4:29.ACC	-LES-	2:1029
T4:29/DN	-] [-	2:1028
T4:30	TMR178V -RES- -TON-	2:1031 2:1030
T4:30.ACC	-LES-	2:1032
T4:30/DN	-] [-	2:1031
T4:31	TMR179B -RES- -TON-	2:1034 2:1033
T4:31.ACC	-LES-	2:1035
T4:31/DN	-] [-	2:1034
T4:32	TMR179V -RES- -TON-	2:1037 2:1036
T4:32.ACC	-LES-	2:1038
T4:32/DN	-] [-	2:1037
T4:33	TMR180B -RES- -TON-	2:1040 2:1039
T4:33.ACC	-LES-	2:1041

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T4:33/DN	-] [-	2:1040
T4:34	TMR180V -RES- -TON-	2:1043 2:1042
T4:34.ACC	-LES-	2:1044
T4:34/DN	-] [-	2:1043
T4:35	TMR181B -RES- -TON-	2:1046 2:1045
T4:35.ACC	-LES-	2:1047
T4:35/DN	-] [-	2:1046
T4:36	TMR181V -RES- -TON-	2:1049 2:1048
T4:36.ACC	-LES-	2:1050
T4:36/DN	-] [-	2:1049
T4:37	TMR182B -RES- -TON-	2:1052 2:1051
T4:37.ACC	-LES-	2:1053
T4:37/DN	-] [-	2:1052
T4:38	TMR182V -RES- -TON-	2:1055 2:1054
T4:38.ACC	-LES-	2:1056
T4:38/DN	-] [-	2:1055
T4:39	TMR183B -RES- -TON-	2:1058 2:1057

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T4:39.ACC	-LES-	2:1059
T4:39/DN	-] [-	2:1058
T4:40	TMR183V -RES- -TON-	2:1061 2:1060
T4:40.ACC	-LES-	2:1062
T4:40/DN	-] [-	2:1061
T4:85	TMR_SU -TON-	2:2
T4:85/DN	-] [- -]/[-	2:0 2:4 2:3
T4:86	TMR_SCH -RES- -TON-	2:43 2:42
T4:86.ACC	-GEQ-	2:44 2:45 2:46 2:47
T4:86/DN	-] [-	2:43
T4:87	RT_TMR -RES- -TON-	2:43 2:42
T4:87/DN	-] [- -]/[-	2:43 2:214 2:222 2:230 2:238 2:246 2:254 2:262 2:270 2:278 2:286 2:450 2:458 2:466 2:474 2:482 2:490 2:498 2:506 2:514 2:522 2:530 2:538 2:672 2:680 2:688 2:696 2:704 2:712 2:720 2:728 2:736 2:870 2:878 2:886 2:894 2:902 2:910 2:918 2:926 2:934