

RSLogix Micro Project Report



Processor Information

Processor Type: Bul.1766 MicroLogix 1400 Series A

Processor Name: UNTITLED

Total Memory Used: 511 Instruction Words Used - 765 Data Table Words Used

Total Memory Left: 11923 Instruction Words Left

Program Files: 4

Data Files: 12

Program ID: efd

I/O Configuration

0	Bul.1766	MicroLogix 1400 Series A
1		
2		
3		
4		
5		
6		
7		

Channel Configuration

CHANNEL 0 (SYSTEM) - Driver: Modbus RTU Master

CHANNEL 0 (SYSTEM) - Driver: Modbus RTU Master Edit Resource/Owner Timeout: 60
CHANNEL 0 (SYSTEM) - Driver: Modbus RTU Master Passthru Link ID: 1
CHANNEL 0 (SYSTEM) - Driver: Modbus RTU Master Write Protected: No
CHANNEL 0 (SYSTEM) - Driver: Modbus RTU Master Comms Servicing Selection: Yes
CHANNEL 0 (SYSTEM) - Driver: Modbus RTU Master Message Servicing Selection: Yes
CHANNEL 0 (SYSTEM) - Driver: Modbus RTU Master 1st AWA Append Character: \d
CHANNEL 0 (SYSTEM) - Driver: Modbus RTU Master 2nd AWA Append Character: \a

Baud: 9600

Parity: EVEN

Control Line : No Handshaking (485 Network)

InterCharacter Timeout(x1 ms): 0

Pre Transmit Delay(x1 ms): 0

CHANNEL 1 (SYSTEM) - Driver: Ethernet

CHANNEL 1 (SYSTEM) - Driver: Ethernet Edit Resource/Owner Timeout: 60
CHANNEL 1 (SYSTEM) - Driver: Ethernet Passthru Link ID: 1
CHANNEL 1 (SYSTEM) - Driver: Ethernet Write Protected: No
CHANNEL 1 (SYSTEM) - Driver: Ethernet Comms Servicing Selection: Yes
CHANNEL 1 (SYSTEM) - Driver: Ethernet Message Servicing Selection: Yes

Hardware Address: 00:00:BC:38:50:30

IP Address: 192.168.100.15

Subnet Mask: 255.255.255.0

Gateway Address: 0.0.0.0

Msg Connection Timeout (x 1mS): 15000

Msg Reply Timeout (x mS): 3000

Inactivity Timeout (x Min): 30

Bootp Enable: No

Dhcp Enable: No

SMTP Enable: No

SNMP Enable: No

HTTP Enable: No

Auto Negotiate Enable: Yes

Port Speed Enable: 10/100 Mbps Full Duplex/Half Duplex

Contact:

Location:

CHANNEL 2 (SYSTEM) - Driver: Shutdown

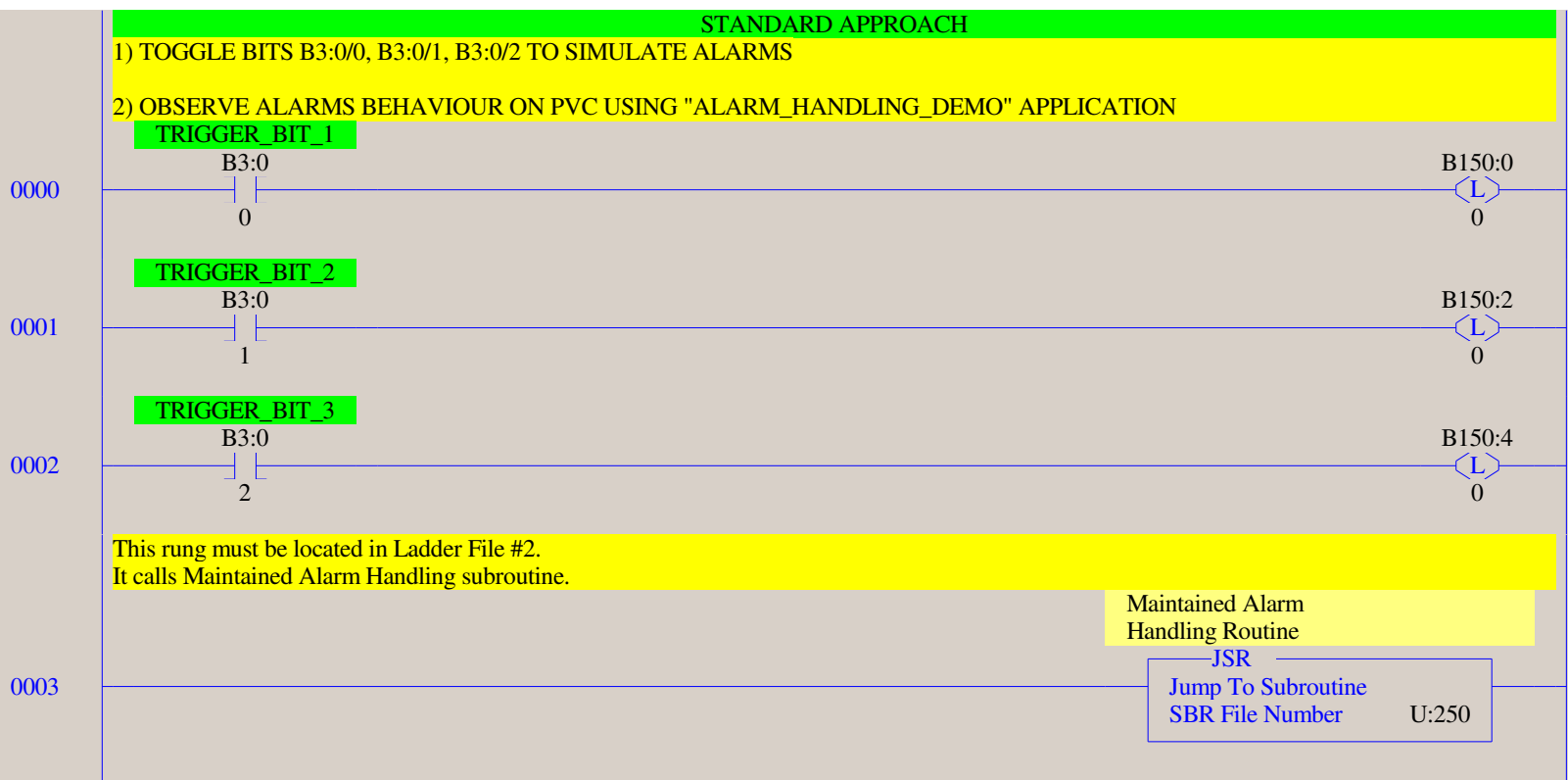
CHANNEL 2 (SYSTEM) - Driver: Shutdown Edit Resource/Owner Timeout: 60
CHANNEL 2 (SYSTEM) - Driver: Shutdown Passthru Link ID: 1
CHANNEL 2 (SYSTEM) - Driver: Shutdown Write Protected: No
CHANNEL 2 (SYSTEM) - Driver: Shutdown Comms Servicing Selection: Yes
CHANNEL 2 (SYSTEM) - Driver: Shutdown Message Servicing Selection: Yes
CHANNEL 2 (SYSTEM) - Driver: Shutdown 1st AWA Append Character: \d
CHANNEL 2 (SYSTEM) - Driver: Shutdown 2nd AWA Append Character: \a

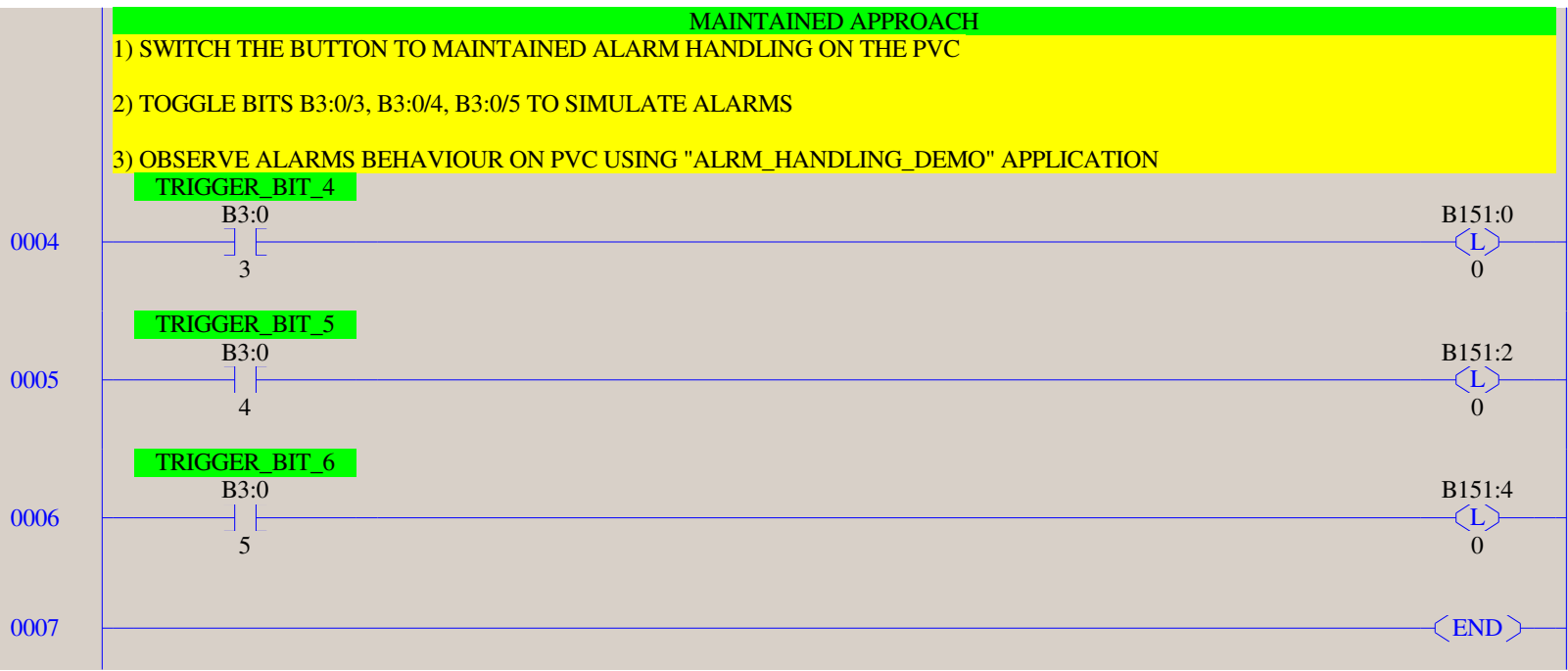
Program File List

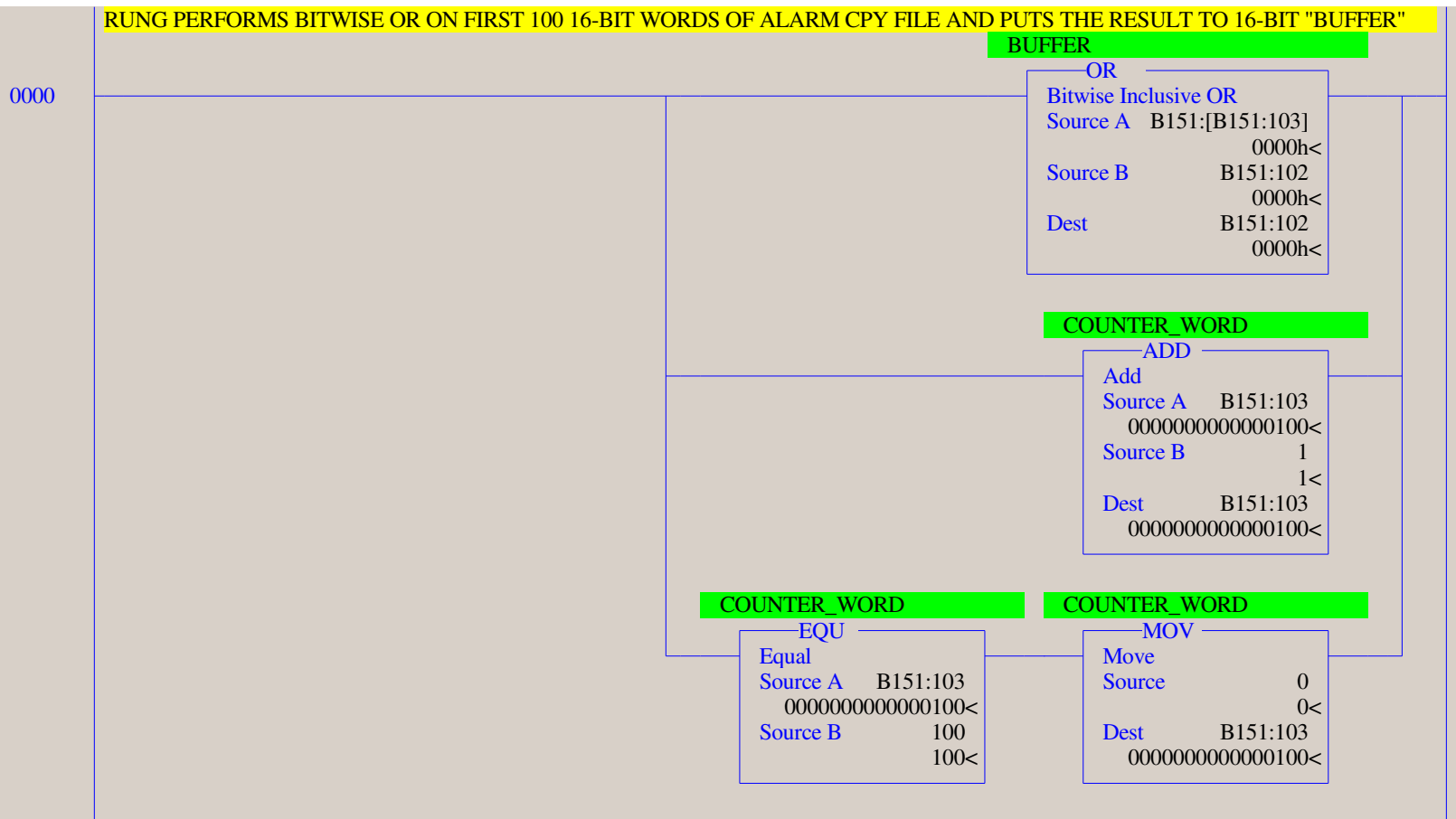
Name	Number	Type	Rungs	Debug	Bytes
[SYSTEM]	0	SYS	0	No	0
	1	SYS	0	No	0
MAIN	2	LADDER	8	No	108
ALRM HANDL	250	LADDER	6	No	394

Data File List

Name	Number	Type	Scope	Debug	Words	Elements	Last
OUTPUT	0	O	Global	No	18	6	O:5
INPUT	1	I	Global	No	24	8	I:7
STATUS	2	S	Global	No	0	66	S:65
BINARY	3	B	Global	No	4	4	B3:3
TIMER	4	T	Global	No	3	1	T4:0
COUNTER	5	C	Global	No	3	1	C5:0
CONTROL	6	R	Global	No	3	1	R6:0
INTEGER	7	N	Global	No	1	1	N7:0
FLOAT	8	F	Global	No	2	1	F8:0
ALARM STS	150	B	Global	No	103	103	B150:102
ALARM CPY	151	B	Global	No	104	104	B151:103
ALARM VAL	152	F	Global	No	500	250	F152:249









BUFFER_12

B151:102

11

BUFFER_13

B151:102

12

BUFFER_14

B151:102

13

BUFFER_15

B151:102

14

BUFFER_16

B151:102

15

IF THE BUTTON "SHOW ALARMS" IS PRESSED THEN:

1. COPY FIRST 100 ELEMENTS OF B151 FILE TO B150
2. UNLATCH "SHOW ALARMS" BIT - CHANGE THE BUTTON STATE TO "NO ALARMS"
3. LATCH "CLEAR_BIT"
4. CLEAR THE "ALARM CPY" FILE AND "BUFFER"

Bit is set when
Show Alarms
button is pressed

SHOW_ALARMS

B151:100

0

COP
Copy File
Source #B151:0
Dest #B150:0
Length 100

Bit is set when
Show Alarms
button is pressed

SHOW_ALARMS

B151:100

(U)

0

Clear BIT used to
clear
B150 file after the
time delay

CLEAR_BIT

B151:101

(L)

1

FLL
Fill File
Source 0
Dest #B151:0
Length 100

#BUFFER

FLL
Fill File
Source 0
Dest #B151:102
Length 1

IF THE "CLEAR_BIT" IS SET START THE TIMER FOR 1S

Clear BIT used to
clear
B150 file after the
time delay

CLEAR_BIT

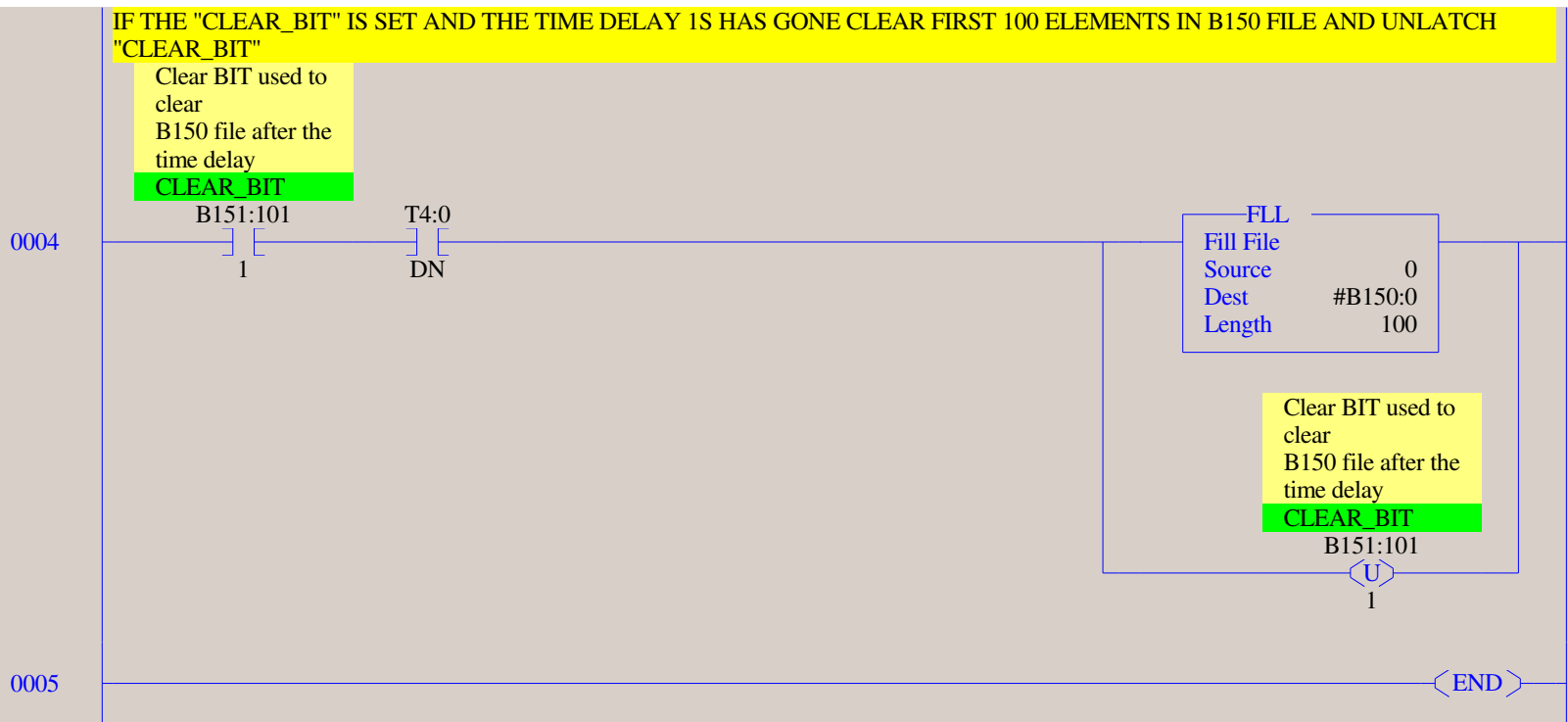
B151:101

1

TON
Timer On Delay
Timer T4:0
Time Base 0.01
Preset 100<
Accum 0<

(EN)

(DN)



Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0				
O:0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix 1400 Series A		
O:0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix 1400 Series A		
O:0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix 1400 Series A		
O:0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix 1400 Series A		
O:0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix 1400 Series A		
O:0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix 1400 Series A		

Data File I1 (bin) -- INPUT

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0				
I:0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix	1400	Series A
I:0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix	1400	Series A
I:0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix	1400	Series A
I:0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix	1400	Series A
I:0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	Bul.1766	MicroLogix	1400	Series A
I:0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	Bul.1766	MicroLogix	1400	Series A
I:0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	Bul.1766	MicroLogix	1400	Series A
I:0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	Bul.1766	MicroLogix	1400	Series A

Main

Processor Mode S:1/0 - S:1/4 = Remote Run
On Power up Go To Run (Mode Behavior) S:1/12 = 0
First Pass S:1/15 = No
Free Running Clock S:4 = 1000-1100-1011-1001

Proc

OS Catalog Number S:57 = 1400 User Program Type S:63 = 9001h
OS Series S:58 = A Compiler Revision Number S:64 =
OS FRS S:59 =
Processor Catalog Number S:60 =
Processor Series S:61 = A
Processor FRN S:62 =

Scan Times

Maximum (x10 ms) S:22 = 15
Watchdog (x10 ms) S:3 (high byte) = 10
Last 100 uSec Scan Time S:35 = 5
Scan Toggle Bit S:33/9 = 0

Math

Math Overflow Selected S:2/14 = 0 Math Register (lo word) S:13 = 0
Overflow Trap S:5/0 = 0 Math Register (high word) S:14-S:13 = 0
Carry S:0/0 = 0 Math Register (32 Bit) S:14-S:13 = 0
Overflow S:0/1 = 0
Zero Bit S:0/2 = 0
Sign Bit S:0/3 = 0

Chan 0

Processor Mode S:1/0- S:1/4 = Remote Run
Node Address S:15 (low byte) = 0 Outgoing Msg Cmd Pending S:33/2 = 0
Baud Rate S:15 (high byte) = ?
Channel Mode S:33/3 = 0
Comms Active S:33/4 = 0
Incoming Cmd Pending S:33/0 = 0
Msg Reply Pending S:33/1 = 0

Debug

Suspend Code S:7 = 0
Suspend File S:8 = 0

Errors

Fault Override At Power Up S:1/8 = 0 Fault Routine S:29 = 0
Startup Protection Fault S:1/9 = 0 Major Error S:6 = 0h
Major Error Halt S:1/13 = 0
Overflow Trap S:5/0 = 0 Error Description:
Control Register Error S:5/2 = 0
Major Error Executing User Fault Rtn. S:5/3 = 0
Battery Low S:5/11 = 0
Input Filter Selection Modified S:5/13 = 0
ASCII String Manipulation error S:5/15 = 0

Protection

Deny Future Access S:1/14 = No
Data File Overwrite Protection Lost S:36/10 = False

Mem Module

Memory Module Loaded On Boot S:5/8 = 0
Password Mismatch S:5/9 = 0
Load Memory Module On Memory Error S:1/10 = 0
Load Memory Module Always S:1/11 = 0
On Power up Go To Run (Mode Behavior) S:1/12 = 0
Program Compare S:2/9 = 0
Data File Overwrite Protection Lost S:36/10 = 0

Forces

Forces Enabled S:1/5 = Yes
Forces Installed S:1/6 = No

Data File B3 (bin) -- BINARY

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B3:0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B3:1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B3:2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B3:3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Data File T4 -- TIMER

Offset	EN	TT	DN	BASE	PRE	ACC	(Symbol)	Description
T4:0	0	0	0	.01 sec	100	0		

Data File C5 -- COUNTER

Offset	CU	CD	DN	OV	UN	UA	PRE	ACC	(Symbol)	Description
C5:0	0	0	0	0	0	0	150	5		

Data File R6 -- CONTROL

Offset	EN	EU	DN	EM	ER	UL	IN	FD	LEN	POS	(Symbol)	Description
R6:0	0	0	0	0	0	0	0	0	0	0		

Data File N7 (dec) -- INTEGER

Offset	0	1	2	3	4	5	6	7	8	9
N7:0	0									

Data File F8 -- FLOAT

Offset	0	1	2	3	4
F8:0	0				

Data File B150 (bin) -- ALARM STS

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol)	Description
B150:0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B150:66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B150:67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B150:102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Data File B151 (bin) -- ALARM CPY

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol)	Description
B151:0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B151:66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B151:67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B151:102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(BUFFER)
B151:103	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	(COUNTER_WORD)

Data File F152 -- ALARM VAL

Offset	0	1	2	3	4
F152:0	0	0	0	0	0
F152:5	0	0	0	0	0
F152:10	0	0	0	0	0
F152:15	0	0	0	0	0
F152:20	0	0	0	0	0
F152:25	0	0	0	0	0
F152:30	0	0	0	0	0
F152:35	0	0	0	0	0
F152:40	0	0	0	0	0
F152:45	0	0	0	0	0
F152:50	0	0	0	0	0
F152:55	0	0	0	0	0
F152:60	0	0	0	0	0
F152:65	0	0	0	0	0
F152:70	0	0	0	0	0
F152:75	0	0	0	0	0
F152:80	0	0	0	0	0
F152:85	0	0	0	0	0
F152:90	0	0	0	0	0
F152:95	0	0	0	0	0
F152:100	0	0	0	0	0
F152:105	0	0	0	0	0
F152:110	0	0	0	0	0
F152:115	0	0	0	0	0
F152:120	0	0	0	0	0
F152:125	0	0	0	0	0
F152:130	0	0	0	0	0
F152:135	0	0	0	0	0
F152:140	0	0	0	0	0
F152:145	0	0	0	0	0
F152:150	0	0	0	0	0
F152:155	0	0	0	0	0
F152:160	0	0	0	0	0
F152:165	0	0	0	0	0
F152:170	0	0	0	0	0
F152:175	0	0	0	0	0
F152:180	0	0	0	0	0
F152:185	0	0	0	0	0
F152:190	0	0	0	0	0
F152:195	0	0	0	0	0
F152:200	0	0	0	0	0
F152:205	0	0	0	0	0
F152:210	0	0	0	0	0
F152:215	0	0	0	0	0
F152:220	0	0	0	0	0
F152:225	0	0	0	0	0
F152:230	0	0	0	0	0
F152:235	0	0	0	0	0
F152:240	0	0	0	0	0
F152:245	0	0	0	0	0

Address (Symbol) = Value [Description]

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code	ABV
	ABCD	Global				
	LBL	Global				
	B151	Global				
	B150	Global				
	XIC	Global				
B3:0/0	TRIGGER_BIT_1	Global				
B3:0/1	TRIGGER_BIT_2	Global				
B3:0/2	TRIGGER_BIT_3	Global				
B3:0/3	TRIGGER_BIT_4	Global				
B3:0/4	TRIGGER_BIT_5	Global				
B3:0/5	TRIGGER_BIT_6	Global				
B3:1/0	CLEAR_TRIGGER_1	Global				
B3:1/1	CLEAR_TRIGGER_2	Global				
B3:1/2	CLEAR_TRIGGER_3	Global				
B3:3/5						
B9:0						
B9:0/0	STATUS_1	Global				
B9:0/1	STATUS_2	Global				
B9:0/2	STATUS_3	Global				
B9:0/3	STATUS_4	Global				
B9:0/4	STATUS_5	Global				
B9:0/5	STATUS_6	Global				
B9:0/6	STATUS_7	Global				
B9:0/7	STATUS_8	Global				
B9:0/8	STATUS_9	Global				
B9:0/9	STATUS_10	Global				
B9:0/10	STATUS_11	Global				
B9:0/11	STATUS_12	Global				
B9:0/12	STATUS_13	Global				
B9:0/13	STATUS_14	Global				
B9:0/14	STATUS_15	Global				
B9:0/15	STATUS_16	Global				
B150:0						
B150:0/0						
B150:2/0						
B150:4/0						
B150:102						
B151:0						
B151:0/0						
B151:0/1						
B151:0/2						
B151:1						
B151:1/0						
B151:1/1						
B151:2						
B151:2/0						
B151:3						
B151:4						
B151:4/0						
B151:5						
B151:100/0	SHOW_ALARMS	Global	Bit is set when Show Alarms button is pressed			
B151:100/1						
B151:100/2						
B151:100/3						
B151:100/4						
B151:101/0	ALRM_OCCURED	Global	Bit is set if any alarm occurs			
B151:101/1	CLEAR_BIT	Global	Clear BIT used to clear B150 file after the time delay			
B151:102	BUFFER	Global				
B151:102/0	BUFFER_1	Global				
B151:102/1	BUFFER_2	Global				
B151:102/2	BUFFER_3	Global				
B151:102/3	BUFFER_4	Global				
B151:102/4	BUFFER_5	Global				
B151:102/5	BUFFER_6	Global				
B151:102/6	BUFFER_7	Global				
B151:102/7	BUFFER_8	Global				
B151:102/8	BUFFER_9	Global				
B151:102/9	BUFFER_10	Global				
B151:102/10	BUFFER_11	Global				
B151:102/11	BUFFER_12	Global				
B151:102/12	BUFFER_13	Global				
B151:102/13	BUFFER_14	Global				
B151:102/14	BUFFER_15	Global				
B151:102/15	BUFFER_16	Global				
B151:103	COUNTER_WORD	Global				
B151:103/0	COUNTER_1	Global				
B151:103/1	COUNTER_2	Global				
B151:103/2	COUNTER_3	Global				
B151:103/3	COUNTER_4	Global				
B151:103/4	COUNTER_5	Global				
B151:103/5	COUNTER_6	Global				
B151:103/6	COUNTER_7	Global				
B151:103/7	COUNTER_8	Global				
B151:103/8	COUNTER_9	Global				

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code	ABV
B151:103/9	COUNTER_10	Global				
B151:103/10	COUNTER_11	Global				
B151:103/11	COUNTER_12	Global				
B151:103/12	COUNTER_13	Global				
B151:103/13	COUNTER_14	Global				
B151:103/14	COUNTER_15	Global				
B151:103/15	COUNTER_16	Global				
B152:1/0						
B154:0						
B154:0/0						
B154:0/1						
B154:0/2						
B154:0/3						
B154:0/4						
B154:0/5						
B154:0/6						
B154:0/7						
B154:0/8						
B154:0/9						
B154:0/10						
B154:0/11						
B154:0/12						
B154:0/13						
B154:0/14						
B154:0/15						
B154:1/0						
N153:0	COUNTER	Global				
S:0			Arithmetic Flags			
S:0/0			Processor Arithmetic Carry Flag			
S:0/1			Processor Arithmetic Underflow/ Overflow Flag			
S:0/2			Processor Arithmetic Zero Flag			
S:0/3			Processor Arithmetic Sign Flag			
S:1			Processor Mode Status/ Control			
S:1/0			Processor Mode Bit 0			
S:1/1			Processor Mode Bit 1			
S:1/2			Processor Mode Bit 2			
S:1/3			Processor Mode Bit 3			
S:1/4			Processor Mode Bit 4			
S:1/5			Forces Enabled			
S:1/6			Forces Present			
S:1/7			Comms Active			
S:1/8			Fault Override at Powerup			
S:1/9			Startup Protection Fault			
S:1/10			Load Memory Module on Memory Error			
S:1/11			Load Memory Module Always			
S:1/12			Load Memory Module and RUN			
S:1/13			Major Error Halted			
S:1/14			Access Denied			
S:1/15			First Pass			
S:2/0			STI Pending			
S:2/1			STI Enabled			
S:2/2			STI Executing			
S:2/3			Index Addressing File Range			
S:2/4			Saved with Debug Single Step			
S:2/5			DH-485 Incoming Command Pending			
S:2/6			DH-485 Message Reply Pending			
S:2/7			DH-485 Outgoing Message Command Pending			
S:2/15			Comms Servicing Selection			
S:3			Current Scan Time/ Watchdog Scan Time			
S:4			Time Base			
S:5/0			Overflow Trap			
S:5/2			Control Register Error			
S:5/3			Major Err Detected Executing UserFault Routine			
S:5/4			M0-M1 Referenced on Disabled Slot			
S:5/8			Memory Module Boot			
S:5/9			Memory Module Password Mismatch			
S:5/10			STI Overflow			
S:5/11			Battery Low			
S:6			Major Error Fault Code			
S:7			Suspend Code			
S:8			Suspend File			
S:9			Active Nodes			
S:10			Active Nodes			
S:11			I/O Slot Enables			
S:12			I/O Slot Enables			
S:13			Math Register			
S:14			Math Register			
S:15			Node Address/ Baud Rate			
S:16			Debug Single Step Rung			
S:17			Debug Single Step File			
S:18			Debug Single Step Breakpoint Rung			
S:19			Debug Single Step Breakpoint File			
S:20			Debug Fault/ Powerdown Rung			
S:21			Debug Fault/ Powerdown File			

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code	ABV
S:22			Maximum Observed Scan Time			
S:23			Average Scan Time			
S:24			Index Register			
S:25			I/O Interrupt Pending			
S:26			I/O Interrupt Pending			
S:27			I/O Interrupt Enabled			
S:28			I/O Interrupt Enabled			
S:29			User Fault Routine File Number			
S:30			STI Setpoint			
S:31			STI File Number			
S:32			I/O Interrupt Executing			
S:33			Extended Proc Status Control Word			
S:33/0			Incoming Command Pending			
S:33/1			Message Reply Pending			
S:33/2			Outgoing Message Command Pending			
S:33/3			Selection Status User/DF1			
S:33/4			Communicat Active			
S:33/5			Communicat Servicing Selection			
S:33/6			Message Servicing Selection Channel 0			
S:33/7			Message Servicing Selection Channel 1			
S:33/8			Interrupt Latency Control Flag			
S:33/9			Scan Toggle Flag			
S:33/10			Discrete Input Interrupt Reconfigur Flag			
S:33/11			Online Edit Status			
S:33/12			Online Edit Status			
S:33/13			Scan Time Timebase Selection			
S:33/14			DTR Control Bit			
S:33/15			DTR Force Bit			
S:34			Pass-thru Disabled			
S:34/0			Pass-Thru Disabled Flag			
S:34/1			DH+ Active Node Table Enable Flag			
S:34/2			Floating Point Math Flag Disable,Fl			
S:35			Last 1 ms Scan Time			
S:36			Extended Minor Error Bits			
S:36/8			DII Lost			
S:36/9			STI Lost			
S:36/10			Memory Module Data File Overwrite Protection			
S:37			Clock Calendar Year			
S:38			Clock Calendar Month			
S:39			Clock Calendar Day			
S:40			Clock Calendar Hours			
S:41			Clock Calendar Minutes			
S:42			Clock Calendar Seconds			
S:43			STI Interrupt Time			
S:44			I/O Event Interrupt Time			
S:45			DII Interrupt Time			
S:46			Discrete Input Interrupt- File Number			
S:47			Discrete Input Interrupt- Slot Number			
S:48			Discrete Input Interrupt- Bit Mask			
S:49			Discrete Input Interrupt- Compare Value			
S:50			Processor Catalog Number			
S:51			Discrete Input Interrupt- Return Number			
S:52			Discrete Input Interrupt- Accumulat			
S:53			Reserved/ Clock Calendar Day of the Week			
S:55			Last DII Scan Time			
S:56			Maximum Observed DII Scan Time			
S:57			Operating System Catalog Number			
S:58			Operating System Series			
S:59			Operating System FRN			
S:61			Processor Series			
S:62			Processor Revision			
S:63			User Program Type			
S:64			User Program Functional Index			
S:65			User RAM Size			
S:66			Flash EEPROM Size			
S:67			Channel 0 Active Nodes			
S:68			Channel 0 Active Nodes			
S:69			Channel 0 Active Nodes			
S:70			Channel 0 Active Nodes			
S:71			Channel 0 Active Nodes			
S:72			Channel 0 Active Nodes			
S:73			Channel 0 Active Nodes			
S:74			Channel 0 Active Nodes			
S:75			Channel 0 Active Nodes			
S:76			Channel 0 Active Nodes			
S:77			Channel 0 Active Nodes			
S:78			Channel 0 Active Nodes			
S:79			Channel 0 Active Nodes			
S:80			Channel 0 Active Nodes			
S:81			Channel 0 Active Nodes			
S:82			Channel 0 Active Nodes			
S:83			DH+ Active Nodes			
S:84			DH+ Active Nodes			
S:85			DH+ Active Nodes			

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code	ABV
S:86			DH+ Active Nodes			
T4:0/DN						
U:3						
U:250			Maintained Alarm Handling Routine			

Address	Instruction	Description
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Symbol Group Database

Group_Name	Description
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