

# RSLogix Micro Project Report



Processor Information

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Processor Type: Bul.1763      MicroLogix 1100 Series B

Processor Name: UNTITLED

Total Memory Used: 209 Instruction Words Used - 317 Data Table Words Used

Total Memory Left: 6447 Instruction Words Left

Program Files: 3

Data Files: 10

Program ID: d875

I/O Configuration

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|   |          |                          |
|---|----------|--------------------------|
| 0 | Bul.1763 | MicroLogix 1100 Series B |
| 1 |          |                          |
| 2 |          |                          |
| 3 |          |                          |
| 4 |          |                          |

## Channel Configuration

## CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex

CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Edit Resource/Owner Timeout: 60  
CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Passthru Link ID: 1  
CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Write Protected: No  
CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Comms Servicing Selection: Yes  
CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Message Servicing Selection: Yes  
CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex 1st AWA Append Character: \d  
CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex 2nd AWA Append Character: \a

Source ID: 1 (decimal)  
Baud: 19200  
Parity: NONE  
Control Line : No Handshaking  
Error Detection: CRC  
Embedded Responses: Auto Detect  
Duplicate Packet Detect: Yes  
ACK Timeout(x20 ms): 50  
NAK Retries: 3  
ENQ Retries: 3

## 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

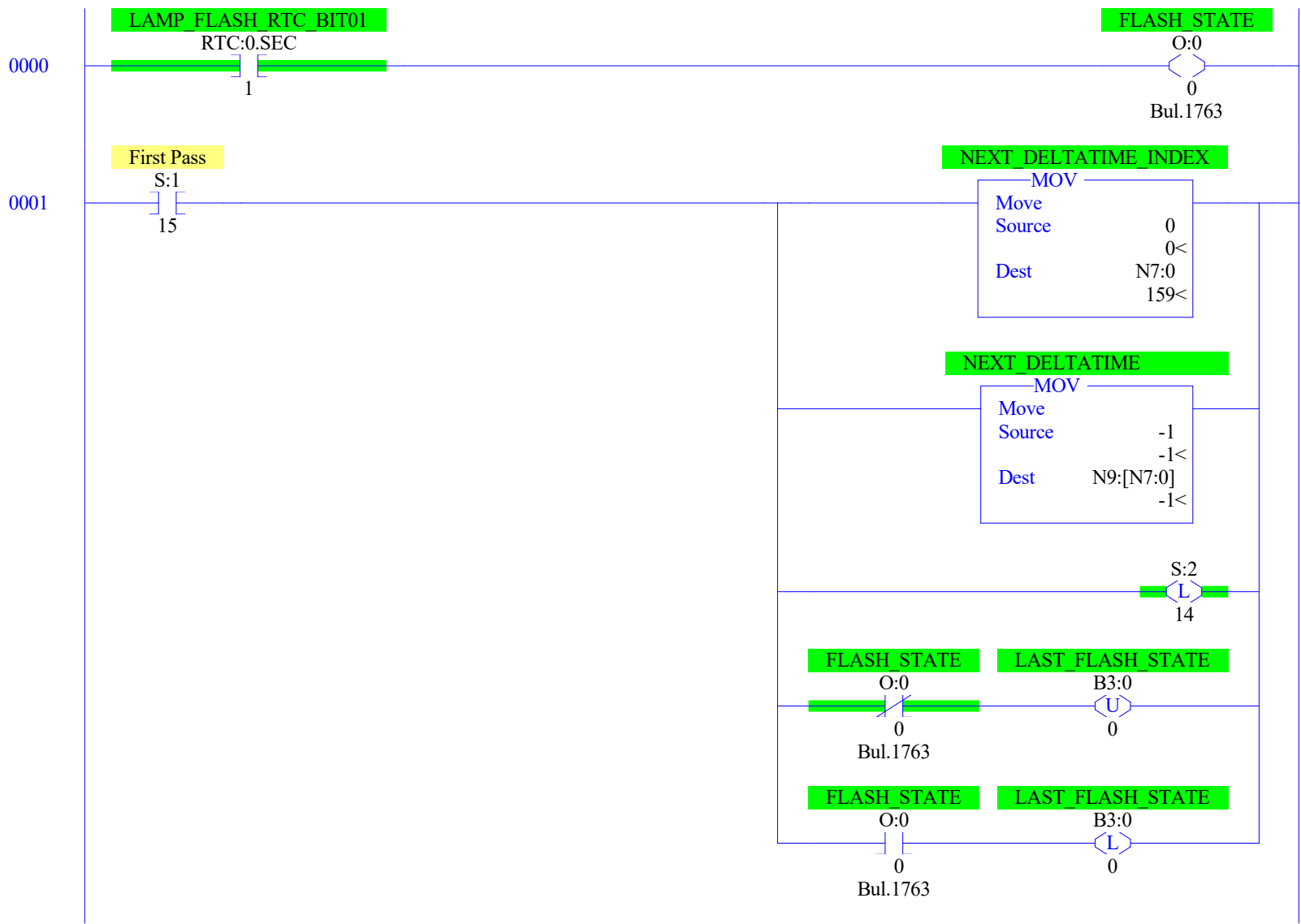
Hardware Address: 00:0F:73:01:72:04  
IP Address: 192.168.1.112  
Subnet Mask: 255.255.255.0  
Gateway Address: 192.168.1.1  
Msg Connection Timeout (x 1mS): 15000  
Msg Reply Timeout (x mS): 3000  
Inactivity Timeout (x Min): 30  
Bootp Enable: No  
Dhcp Enable: Yes  
SNMP Enable: No  
HTTP Enable: Yes  
Auto Negotiate Enable: Yes  
Port Speed Enable: 10/100 Mbps Full Duplex/Half Duplex  
Contact:  
Location:

Program File List

| Name     | Number | Type   | Rungs | Debug | Bytes |
|----------|--------|--------|-------|-------|-------|
| [SYSTEM] | 0      | SYS    | 0     | No    | 0     |
|          | 1      | SYS    | 0     | No    | 0     |
|          | 2      | LADDER | 5     | No    | 297   |

## Data File List

| Name       | Number | Type | Scope  | Debug | Words | Elements | Last   |
|------------|--------|------|--------|-------|-------|----------|--------|
| OUTPUT     | 0      | O    | Global | No    | 12    | 4        | O:3    |
| INPUT      | 1      | I    | Global | No    | 18    | 6        | I:5    |
| STATUS     | 2      | S    | Global | No    | 0     | 66       | S:65   |
| BINARY     | 3      | B    | Global | No    | 1     | 1        | B3:0   |
| 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    | 20    | 20       | N7:19  |
| FLOAT      | 8      | F    | Global | No    | 2     | 1        | F8:0   |
| DELTATIMES | 9      | N    | Global | No    | 255   | 255      | N9:254 |



0002

FLASH STATE

LAST FLASH STATE

O:0

B3:0

0

0

Bul.1763

LAST\_FLASH\_STATE

FLASH STATE

B3:0

O:0

0

0

Bul.1763

THIS CLOCK

MOV

Move

S:4

Dest

-28701&lt;

N7:2

32032&lt;

NEXT DELTATIME

SUB

Subtract

Source A

N7:2

32032&lt;

Source B

N7:1

32032&lt;

Dest

N9:[N7:0]

-1&lt;

LAST CLOCK

MOV

Move

Source

N7:2

32032&lt;

Dest

N7:1

32032&lt;

NEXT DELTATIME INDEX

ADD

Add

Source A

N7:0

159&lt;

Source B

1

1&lt;

Dest

N7:0

159&lt;

NEXT DELTATIME\_INDEX

AND

Bitwise AND

Source A

N7:0

009Fh&lt;

Source B

255

255&lt;

Dest

N7:0

009Fh&lt;

NEXT DELTATIME

MOV

Move

Source

-1

-1&lt;

Dest

N9:[N7:0]

-1&lt;

Overflow  
Trap

S:5

0

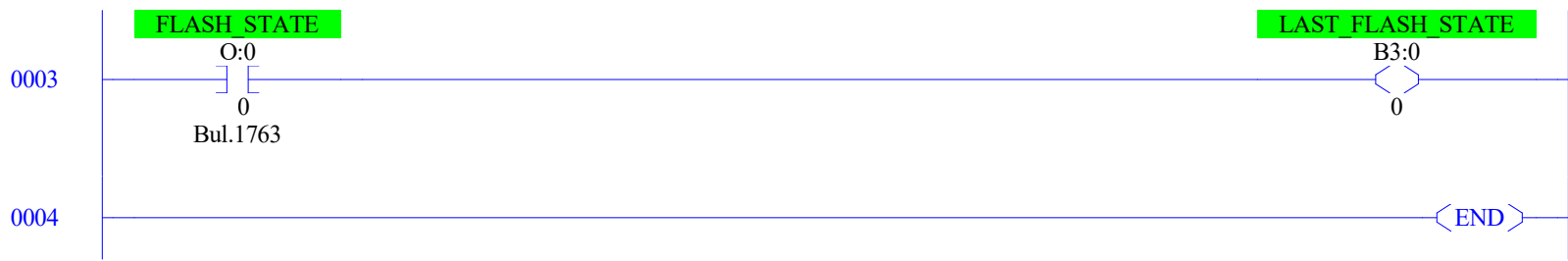
Overflow  
Trap

S:5

0



LAD 2 - --- Total Rungs in File = 5



| 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.1763 | MicroLogix | 1100 | Series B |
| O:0.1  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix | 1100 | Series B |
| O:0.2  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix | 1100 | Series B |
| O:0.3  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix | 1100 | Series B |

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.1763 | MicroLogix | 1100 | Series B        |
| I:0.1  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix | 1100 | Series B        |
| I:0.2  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix | 1100 | Series B        |
| I:0.3  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix | 1100 | Series B        |
| I:0.4  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | Bul.1763 | MicroLogix | 1100 | Series B-Analog |
| I:0.5  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | Bul.1763 | MicroLogix | 1100 | Series B-Analog |

**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 = 1000-1111-1110-0011

**Proc**

OS Catalog Number S:57 = 1100                      User Program Type S:63 = 8108h  
OS Series S:58 = B                                  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 = 27  
Watchdog (x10 ms) S:3 (high byte) = 10  
Last 100 uSec Scan Time S:35 = 6  
Scan Toggle Bit S:33/9 = 0

**Math**

Math Overflow Selected S:2/14 = 1                      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 = 1

**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

| 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 |          |             |

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

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



| 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   | 159 | 32032 | 32032 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| N7:10  | 0   | 0     | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Data File F8 -- FLOAT

| Offset | 0 | 1 | 2 | 3 | 4 |
|--------|---|---|---|---|---|
| F8:0   | 0 |   |   |   |   |

| Offset | 0     | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| N9:0   | 17685 | 20008 | 19999 | 19998 | 20004 | 20000 | 20000 | 19997 | 20009 | 20003 |
| N9:10  | 19991 | 20000 | 20009 | 19996 | 19996 | 20009 | 19997 | 19993 | 20010 | 19990 |
| N9:20  | 20004 | 20001 | 19999 | 20008 | 19988 | 20006 | 19998 | 20002 | 19994 | 20002 |
| N9:30  | 19998 | 20009 | 20000 | 20000 | 19995 | 20023 | 19989 | 19994 | 20000 | 19992 |
| N9:40  | 20016 | 19998 | 19995 | 19994 | 20017 | 20000 | 19990 | 19995 | 20012 | 19992 |
| N9:50  | 20000 | 20001 | 20008 | 19994 | 20006 | 19992 | 20011 | 20000 | 20001 | 19988 |
| N9:60  | 20001 | 20001 | 20008 | 19993 | 20001 | 20010 | 20003 | 19996 | 19992 | 20014 |
| N9:70  | 20000 | 19996 | 19989 | 20011 | 19997 | 20008 | 19998 | 20005 | 19999 | 19999 |
| N9:80  | 20002 | 20000 | 19999 | 19985 | 20012 | 19999 | 20006 | 19997 | 20003 | 19998 |
| N9:90  | 19997 | 20004 | 20001 | 20000 | 20000 | 19998 | 20002 | 20002 | 20000 | 19999 |
| N9:100 | 19997 | 20002 | 20004 | 19999 | 20001 | 20000 | 19998 | 19996 | 20005 | 20001 |
| N9:110 | 19999 | 19996 | 20001 | 20007 | 19996 | 19994 | 20004 | 20012 | 20000 | 19995 |
| N9:120 | 19989 | 20002 | 20014 | 19991 | 19999 | 20011 | 19991 | 19997 | 20000 | 20009 |
| N9:130 | 19996 | 20000 | 20007 | 19998 | 20015 | 19988 | 19988 | 20014 | 20001 | 19986 |
| N9:140 | 20004 | 19997 | 20001 | 20021 | 20002 | 19984 | 20019 | 19978 | 19999 | 20004 |
| N9:150 | 20001 | 20010 | 19986 | 20005 | 20000 | 20009 | 19989 | 19999 | 20018 | -1    |
| N9:160 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| N9:170 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| N9:180 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| N9:190 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| N9:200 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| N9:210 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| N9:220 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| N9:230 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| N9:240 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| N9:250 | 0     | 0     | 0     | 0     | 0     |       |       |       |       |       |

## Address/Symbol Database

| Address      | Symbol               | Scope  | Description                                    | Sym Group | Dev. Co |
|--------------|----------------------|--------|--|-----------|---------|
| B3:0/0       | LAST_FLASH_STATE     | Global |  |           |         |
| I:0.0/[N7:1] | TANK_BY_INDEX_STATE  | Global |  |           |         |
| N7:0         | NEXT_DELTATIME_INDEX | Global |  |           |         |
| N7:1         | LAST_CLOCK           | Global |  |           |         |
| N7:2         | THIS_CLOCK           | Global |  |           |         |
| N9:[N7:0]    | NEXT_DELTATIME       | Global |  |           |         |
| O:0/0        | FLASH_STATE          | Global |  |           |         |
| RTC:0.SEC/1  | LAMP_FLASH_RTC_BIT01 | 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                    |           |         |
| 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          |           |         |

## Address/Symbol Database

| Address | Symbol | Scope | Description                                  | Sym Group | Dev. C |
|---------|--------|-------|--|-----------|--------|
| 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,F1          |           |        |
| 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                             |           |        |
| S:86    |        |       | DH+ Active Nodes                             |           |        |

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| Address | Instruction | Description |
|---------|-------------|-------------|
|---------|-------------|-------------|

| Group_Name | Description |
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