# RSLogix Micro Project Report



#### Processor Information

Processor Type: Bul.1763 MicroLogix 1100 Series B

Processor Name: UNTITLED

Total Memory Used: 368 Instruction Words Used - 112 Data Table Words Used

Total Memory Left: 6288 Instruction Words Left

Program Files: 4

Data Files: 10

Program ID: 40b4

## I/O Configuration

Bul.1763

MicroLogix 1100 Series B

#### Channel Configuration

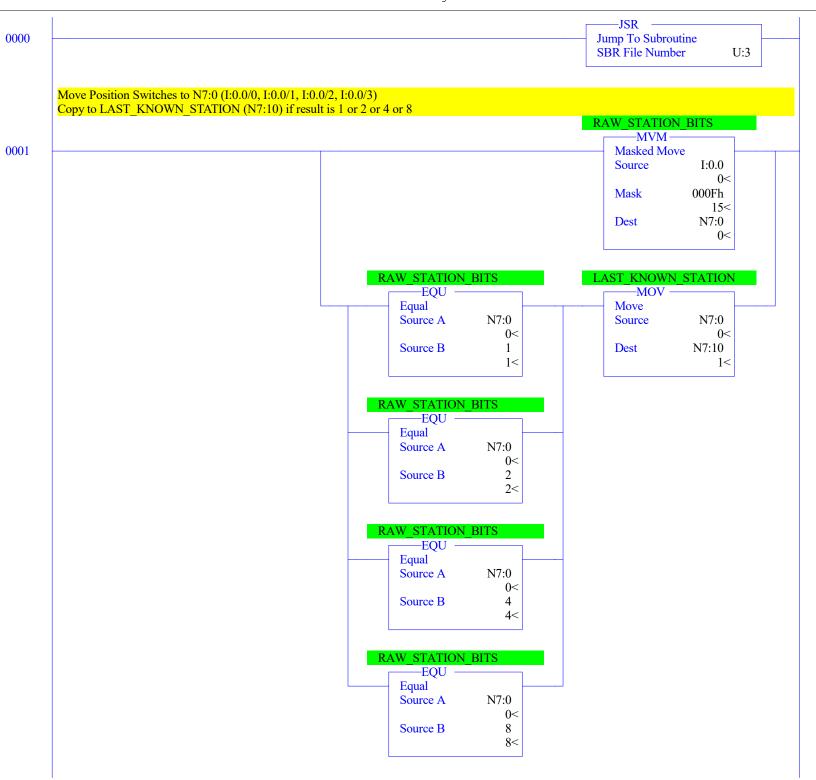
```
CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex
  CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Edit Resource/Owner Timeout: 60 CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Passthru Link ID: 1
  CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Write Protected: No
  CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex 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: 00:00:00:00:00:00
  IP Address: 0.0.0.0
  Subnet Mask: 0.0.0.0
  Gateway Address: 0.0.0.0
  Msg Connection Timeout (x 1mS):
  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:
```

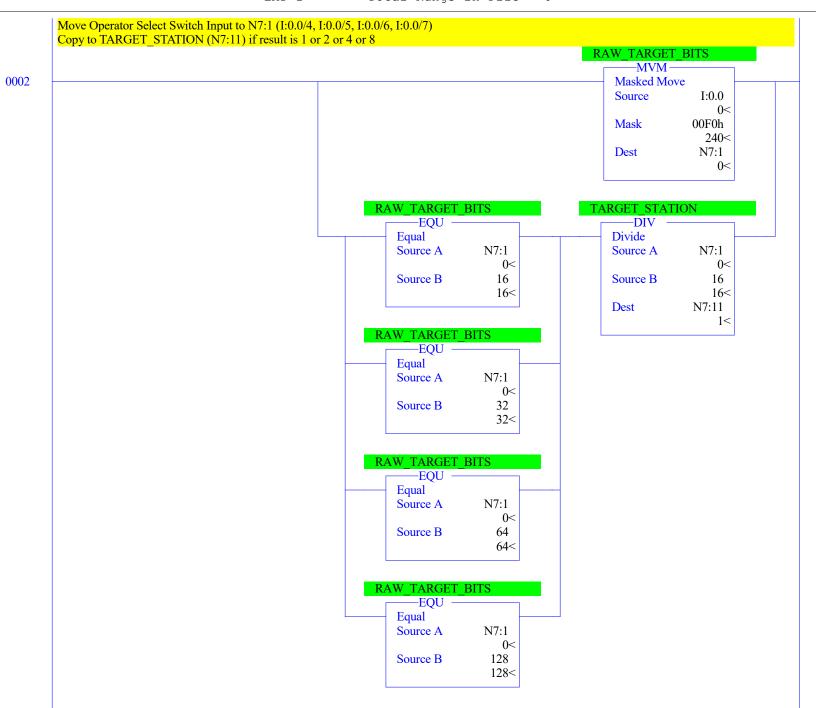
## Program File List

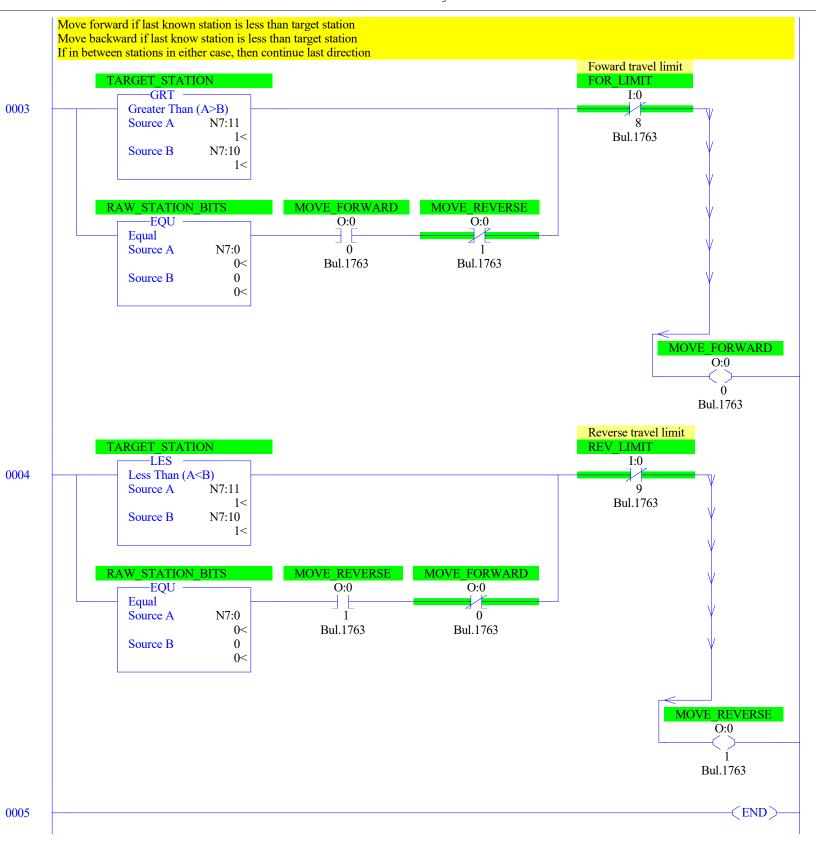
Name	Number	Type	Rungs	Debug	Bytes	
[SYSTEM]	0	SYS	0	No	0	
	1	SYS	0	No	0	
	2	LADDER	6	No	346	
SIMULATOR	3	LADDER	11	No	557	

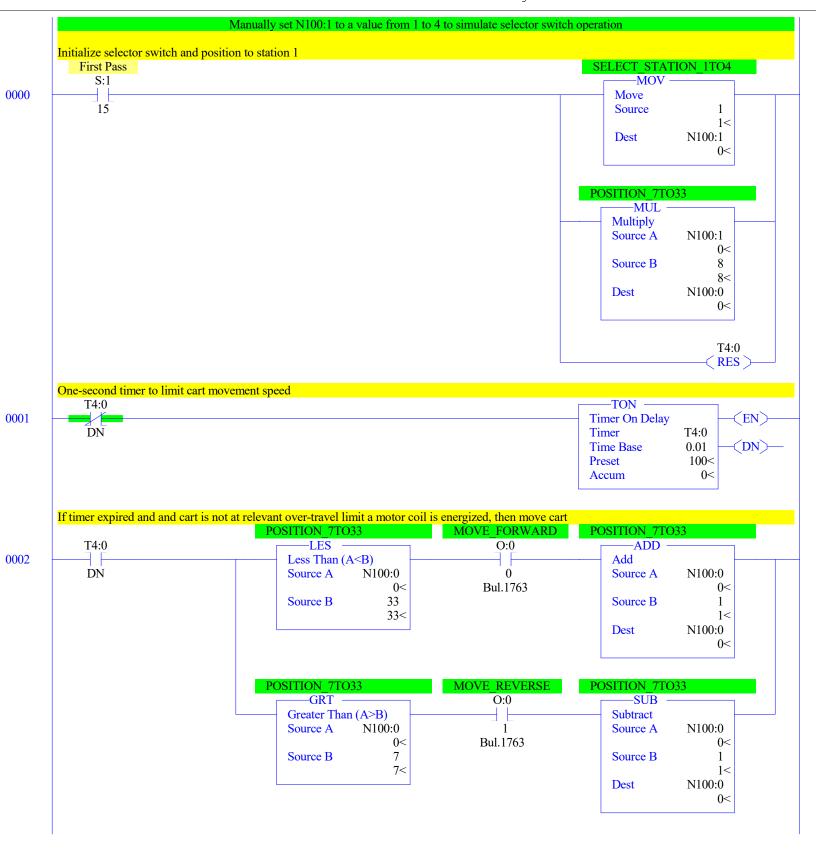
Data File List

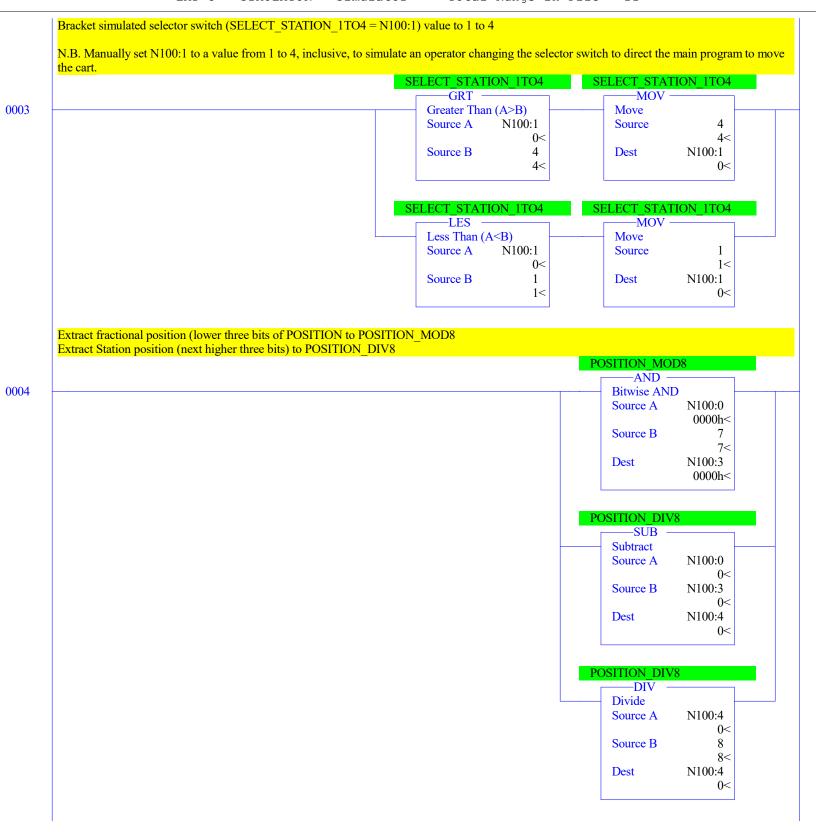
Name	Number	Type	Scope	Debug	Words	Elements	Last
OUTPUT	0	0	Global	No	12	4	O:3
INPUT	1	I	Global	No	18	6	I:5
STATUS	2	S	Global	No	0	66	S:65
BINARY	3	В	Global	No	1	1	B3:0
TIMER	4	T	Global	No	3	1	T4:0
COUNTER	5	C	Global	No	3	1	C5:0
CONTROL	6	R	Global	No	3	1	R6:0
INTEGER	7	N	Global	No	20	20	N7:19
FLOAT	8	F	Global	No	2	1	F8:0
SIMUL_INTS	100	N	Global	No	50	50	N100:49



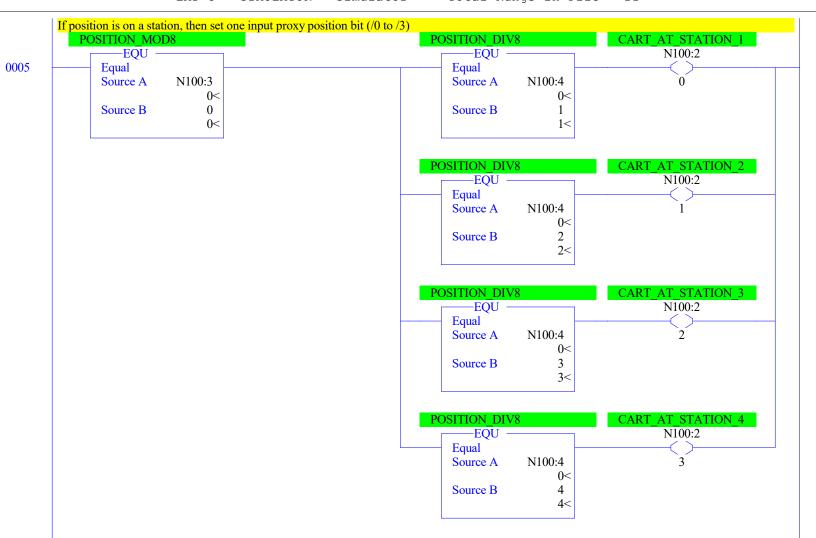


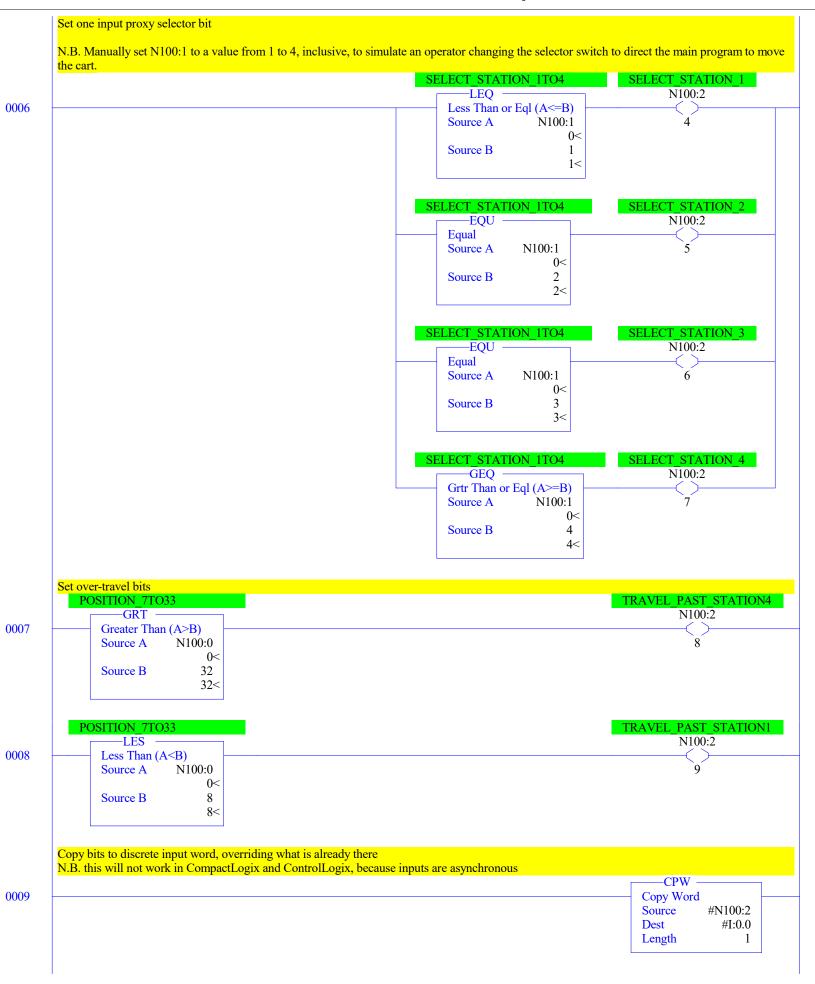






LAD 3 - SIMULATOR - Simulator --- Total Rungs in File = 11





0010

-(END)-

## Data File OO (bin) -- OUTPUT

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0		
0:0.0	0																Bul.1763	MicroLogix 1100 Series B
0:0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix 1100 Series B
0:0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix 1100 Series B
0:0.3	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	0	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	0	0	0	Bul.1763	MicroLogix 1100 Series B-Analog

Data File S2 (hex) -- STATUS

```
Main
```

```
Processor Mode S:1/0 - S:1/4 = Remote Program Mode
On Power up Go To Run (Mode Behavior) S:1/12 = 0
First Pass S:1/15 = No
Free Running Clock S:4 = 0000-0000-0000-0000
Proc
OS Catalog Number S:57 = 1100
                                        User Program Type S:63 = 8001h
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 = 0
Watchdog (x10 ms) S:3 (high byte) = 10
Last 100 uSec Scan Time S:35 = 0
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 Program Mode
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
```

Page 1

Program Compare S:2/9 = 0

On Power up Go To Run (Mode Behavior) S:1/12 = 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

## 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 0

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

Data File N7 (dec) -- INTEGER

Offset	0	1	2	3	4	5	6	7	8	9
N7:0 N7:10	0	0	0	0	0	0	0	0	0	0
N7:10	1	1	0	0	0	0	0	0	0	0

## Data File F8 -- FLOAT

Offset 0 1 2 3 4

F8:0 0

				Data	File N1	00 (dec)		SIMUL_I	INTS	
Offset	0	1	2	3	4	5	6	7	8	9
N100:0	0	0	0	0	0	0	0	0	0	0
N100:10	0	0	0	0	0	0	0	0	0	0
N100:20	0	0	0	0	0	0	0	0	0	0
N100:30	0	0	0	0	0	0	0	0	0	0
N100 • 40	0	0	Ο	0	0	0	0	0	Ο	Ο

### Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code	AB'
I:0/8	FOR_LIMIT	-	Foward travel limit	olm oloub	201. 0000	
I:0/9	REV_LIMIT		Reverse travel limit			
N7:0	RAW_STATION_BITS	Global				
N7:1 N7:10	RAW_TARGET_BITS LAST KNOWN STATION	Global Global				
17:10 17:11	TARGET STATION	Global				
1100:0	POSITION 7TO33	Global				
1100:1	SELECT_STATION_1TO4	Global				
1100:2	INPUT_PROXY	Global				
1100:2/0	CART_AT_STATION_1	Global				
N100:2/1 N100:2/2	CART_AT_STATION_2	Global				
1100:2/2	CART_AT_STATION_3 CART AT STATION 4	Global Global				
N100:2/3	SELECT STATION 1	Global				
1100:2/5	SELECT STATION 2	Global				
1100:2/6	SELECT_STATION_3	Global				
1100:2/7	SELECT_STATION_4	Global				
N100:2/8	TRAVEL_PAST_STATION4					
N100:2/9	TRAVEL_PAST_STATION1	Global				
N100:3 N100:4	POSITION_MOD8 POSITION DIV8	Global Global				
0:0/0	MOVE FORWARD	Global				
0:0/1	MOVE REVERSE	Global				
S:0	<del>-</del>		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 S:1			Processor Arithmetic Sign Flag 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 S:1/8			Comms Active			
S:1/9			Fault Override at Powerup 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 S:2/2			STI Enabled 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 S:4			Current Scan Time/ Watchdog Scan Time Time Base			
S:5/0			Overflow Trap			
S:5/0			Control Register Error			
S:5/3			Major Err Detected Executing UserFault Routine			
S:5/4			MO-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 S:6			Battery Low			
S:7			Major Error Fault Code 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 S:16			Node Address/ Baud Rate 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			
5:21			Debug Fault/ Powerdown File			
5:22			Maximum Observed Scan Time			
S:23			Average Scan Time			
S:24 S:25			Index Register I/O Interrupt Pending			
5:20			1/O interrupt renaing			

### Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code	AB
S:26			I/O Interrupt Pending			
S:27			I/O Interrupt Enabled			
S:28 S:29			I/O Interrupt Enabled User Fault Routine File Number			
S:30			STI Setpoint			
S:31			STI File Number			
S:32			I/O Interrupt Executing			
S:33 s:33/n			Extended Proc Status Control Word			
S:33/0 S:33/1			Incoming Command Pending Message Reply Pending			ļ
s:33/2			Outgoing Message Command Pending			
s:33/3			Selection Status User/DF1			
S:33/4			Communicat Active			
S:33/5 S:33/6			Communicat Servicing Selection Message Servicing Selection Channel 0			ļ
S:33/6 S:33/7			Message Servicing Selection Channel 0 Message Servicing Selection Channel 1			II.
S:33/8			Interrupt Latency Control Flag			Ų.
S:33/9			Scan Toggle Flag			Ų.
S:33/10 S:33/11			Discrete Input Interrupt Reconfigur Flag Online Edit Status			Ų.
S:33/11 S:33/12			Online Edit Status Online Edit Status			II.
s:33/13			Scan Time Timebase Selection			II.
S:33/14			DTR Control Bit			II.
S:33/15 S:34			DTR Force Bit Pass-thru Disabled			Ų.
S:34 S:34/0			Pass-thru Disabled Pass-Thru Disabled Flag			Ų.
S:34/1			DH+ Active Node Table Enable Flag			Ų.
S:34/2			Floating Point Math Flag Disable, Fl			Ų.
S:35			Last 1 ms Scan Time			Ų.
S:36 S:36/8			Extended Minor Error Bits DII Lost			Ų.
S:36/8 S:36/9			DII Lost STI Lost			Ų.
s:36/10			Memory Module Data File Overwrite Protection			Ų.
S:37			Clock Calendar Year			Ų.
S:38 S:39			Clock Calendar Month Clock Calendar Day			Ų.
S:39 S:40			Clock Calendar Day Clock Calendar Hours			
S:41			Clock Calendar Minutes			
S:42			Clock Calendar Seconds			ļ
S:43			STI Interrupt Time			
S:44 S:45			I/O Event Interrupt Time DII Interrupt Time			
S:45 S:46			Discrete Input Interrupt- File Number			Ų
S:47			Discrete Input Interrupt- Slot Number			ļ
S:48			Discrete Input Interrupt- Bit Mask			ļ
S:49 S:50			Discrete Input Interrupt- Compare Value Processor Catalog Number			ļ
S:50 S:51			Processor Catalog Number Discrete Input Interrupt- Return Number			Ų
S:52			Discrete Input Interrupt- Accumulat			ļ
S:53			Reserved/ Clock Calendar Day of the Week			Ų
S:55 S:56			Last DII Scan Time Maximum Observed DII Scan Time			ļ
S:56 S:57			Maximum Observed DII Scan Time Operating System Catalog Number			Ų
S:58			Operating System Series			ļ
S:59			Operating System FRN			ļ
S:61 S:62			Processor Series Processor Revision			ļ
S:62 S:63			Processor Revision User Program Type			Ų
S:64			User Program Functional Index			Ų.
S:65			User RAM Size			Ų.
S:66			Flash EEPROM Size			ļ
S:67 S:68			Channel 0 Active Nodes Channel 0 Active Nodes			Ų
S:69			Channel 0 Active Nodes Channel 0 Active Nodes			ļ
S:70			Channel O Active Nodes			Ų
S:71			Channel O Active Nodes			ļ
S:72 S:73			Channel 0 Active Nodes Channel 0 Active Nodes			Ų
S:74			Channel 0 Active Nodes Channel 0 Active Nodes			ļ
S:75			Channel O Active Nodes			ļ
S:76			Channel O Active Nodes			ļ
S:77 S:78			Channel 0 Active Nodes Channel 0 Active Nodes			ļ
S:78 S:79			Channel U Active Nodes Channel O Active Nodes			ļ
S:80			Channel O Active Nodes			ļ
S:81			Channel O Active Nodes			ļ
S:82			Channel O Active Nodes			ļ
S:83 S:84			DH+ Active Nodes DH+ Active Nodes			ļ
3:84 3:85			DH+ Active Nodes DH+ Active Nodes			ļ
3:86			DH+ Active Nodes			II.
J:3						

Address Instruction Description

Group\_Name Description