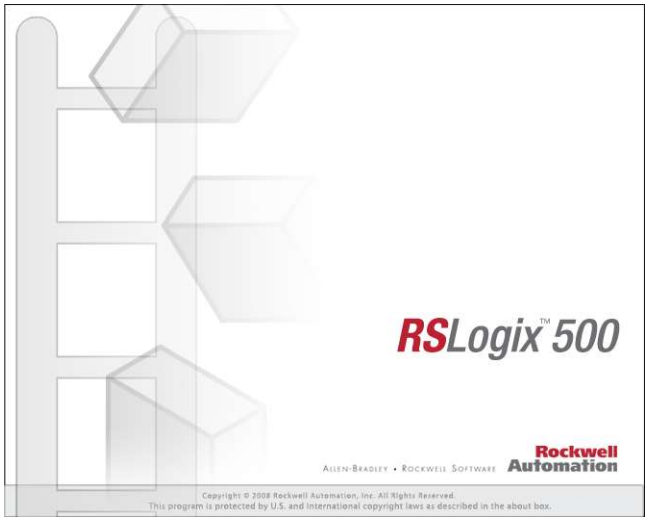
RSLogix Micro Project Report



Processor Information

Processor Type: Bul.1763 MicroLogix 1100 Series B

Processor Name: UNTITLED

Total Memory Used: 282 Instruction Words Used - 58 Data Table Words Used

Total Memory Left: 6374 Instruction Words Left

Program Files: 5

Data Files: 9

Program ID: c0d1

I/O Configuration

0	Bul.1763	MicroLogix 1100 Series B
1	1762-IQ8OW6	8-Input 10/30 VDC 6-Output (RLY)
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

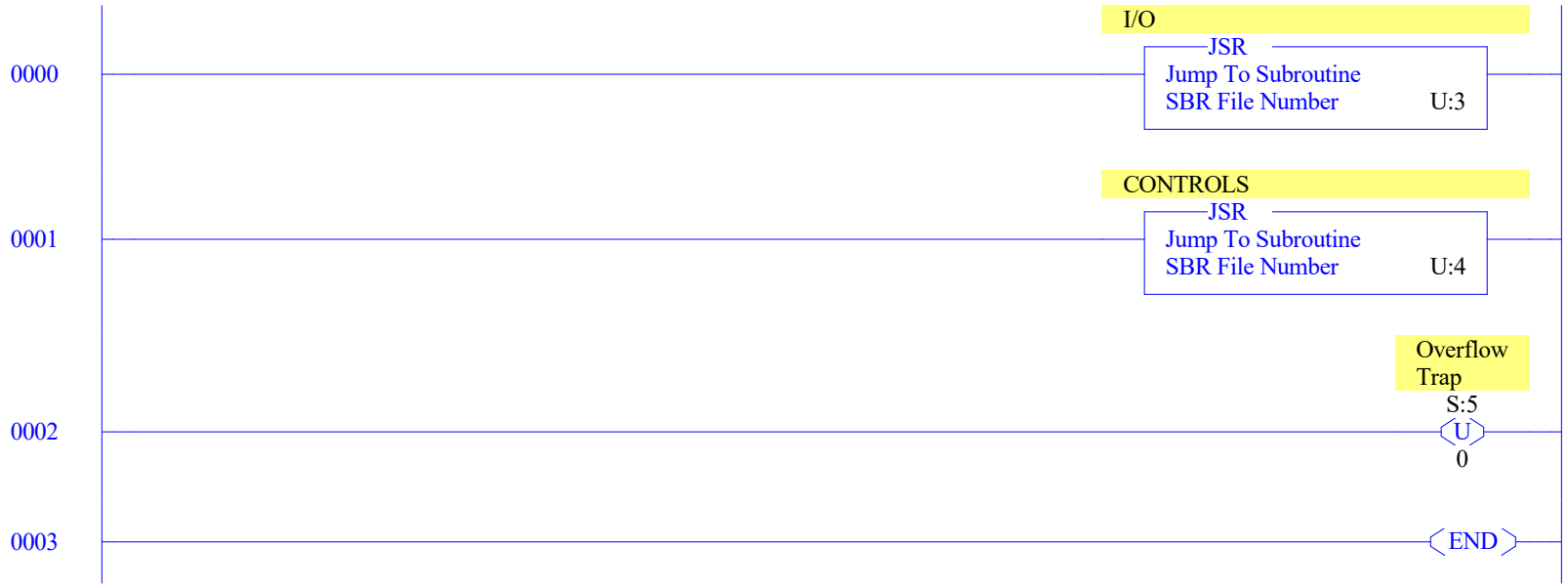
   Hardware Address: 00:00:00:00:00:00
   IP Address: 0.0.0.0
   Subnet Mask: 0.0.0.0
   Gateway Address: 0.0.0.0
   Msg Connection Timeout (x 1mS): 15000
   Msg Reply Timeout (x mS): 3000
   Inactivity Timeout (x Min): 30
   Bootp Enable: Yes
   Dhcp Enable No
   SNMP Enable: No
   HTTP Enable: Yes
   Auto Negotiate Enable: Yes
   Port Speed Enable: 10/100 Mbps Full Duplex/Half Duplex
   Contact:
   Location:

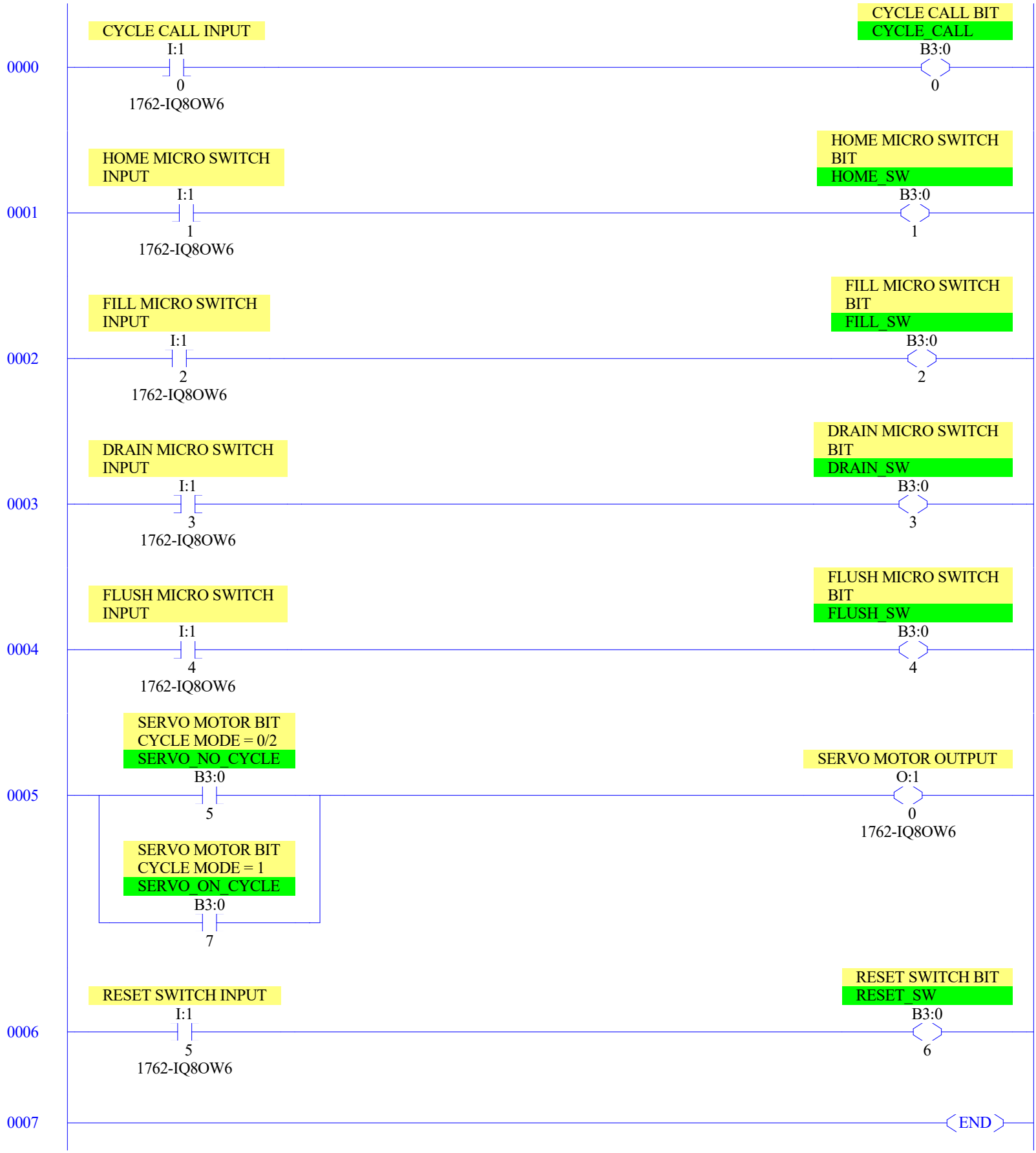
Program File List

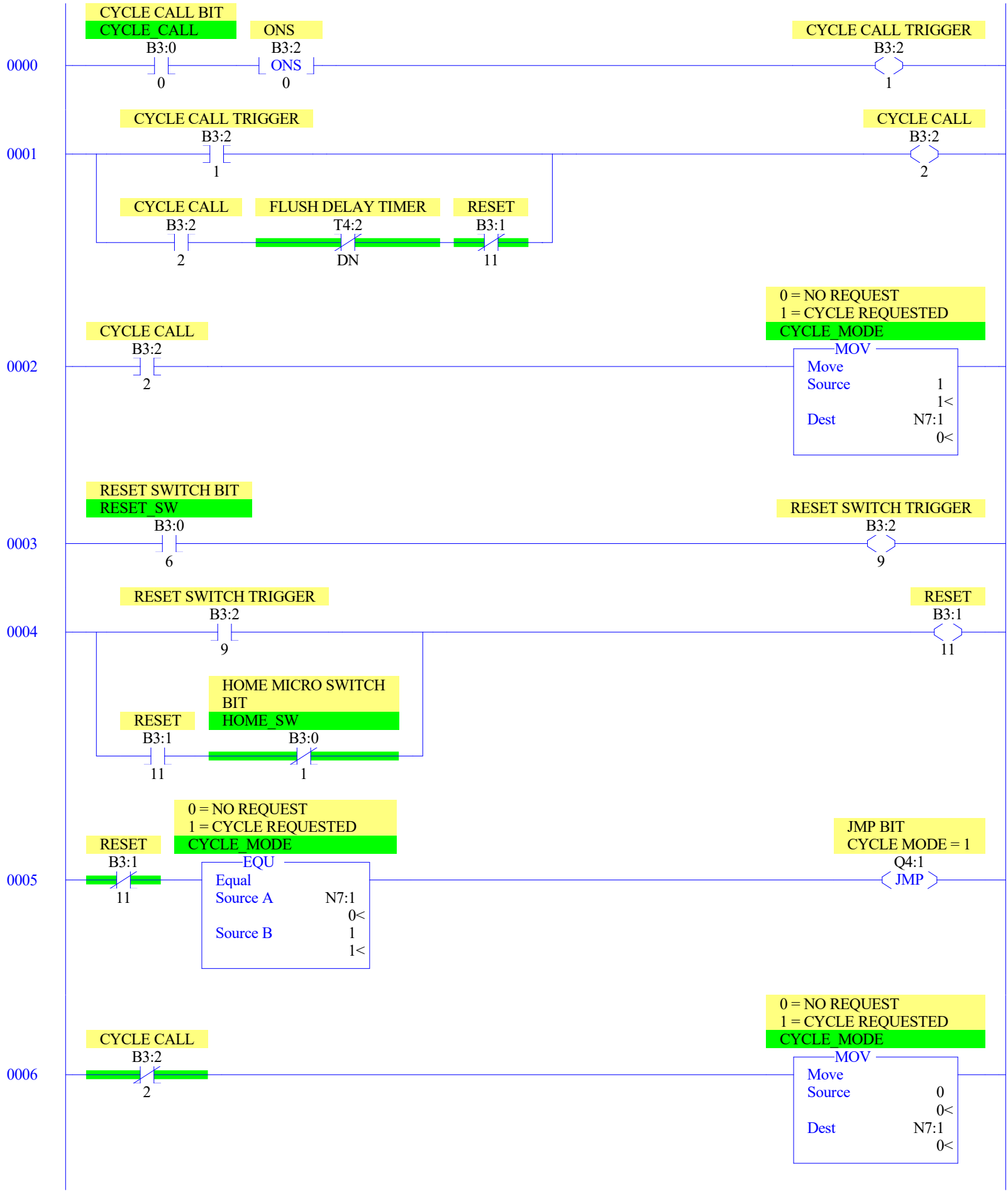
Name	Number	Type	Rungs	Debug	Bytes
[SYSTEM]	0	SYS	0	No	0
	1	SYS	0	No	0
MAIN	2	LADDER	4	No	30
I/O	3	LADDER	8	No	128
CONTROLS	4	LADDER	22	No	927

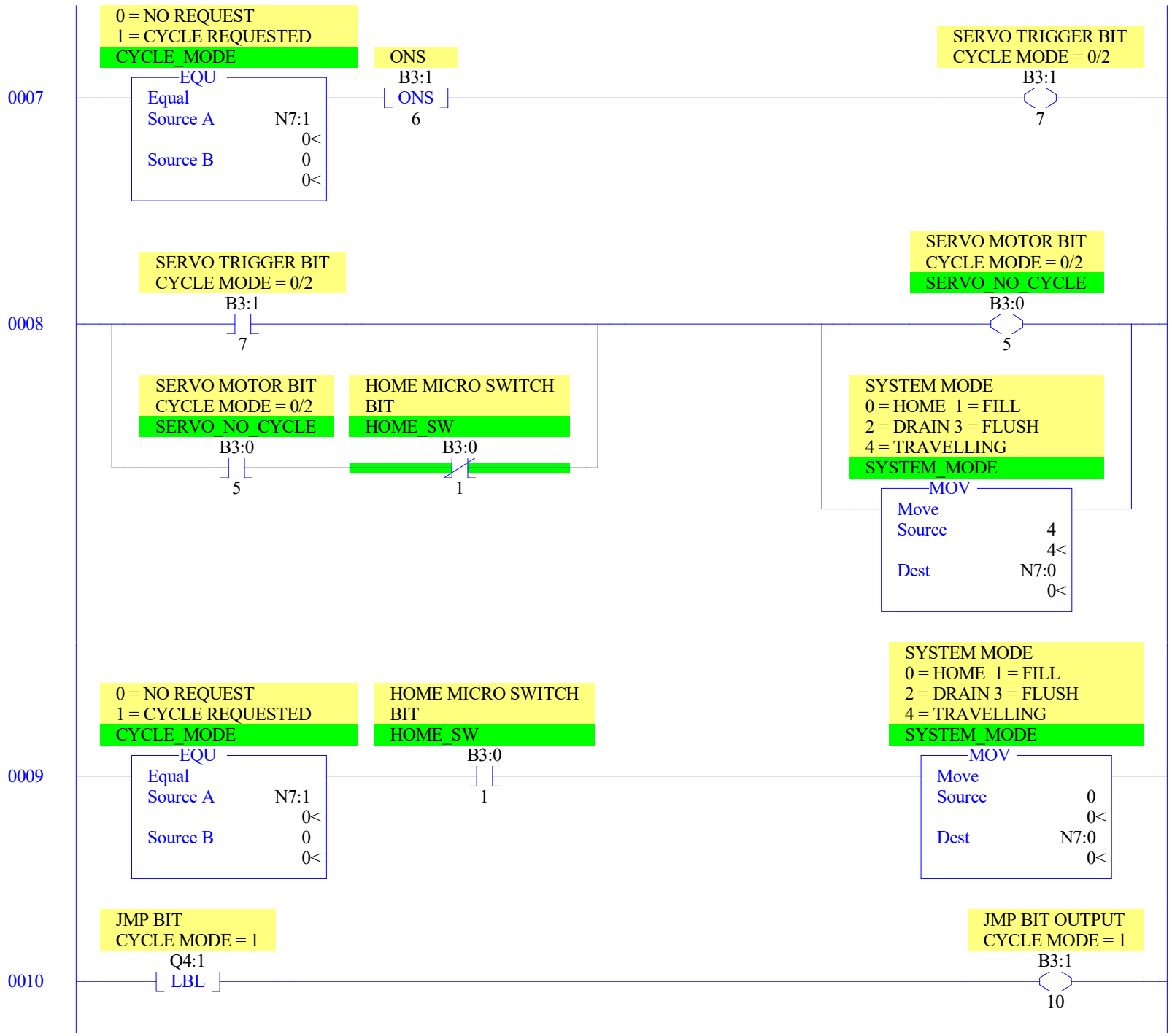
Data File List

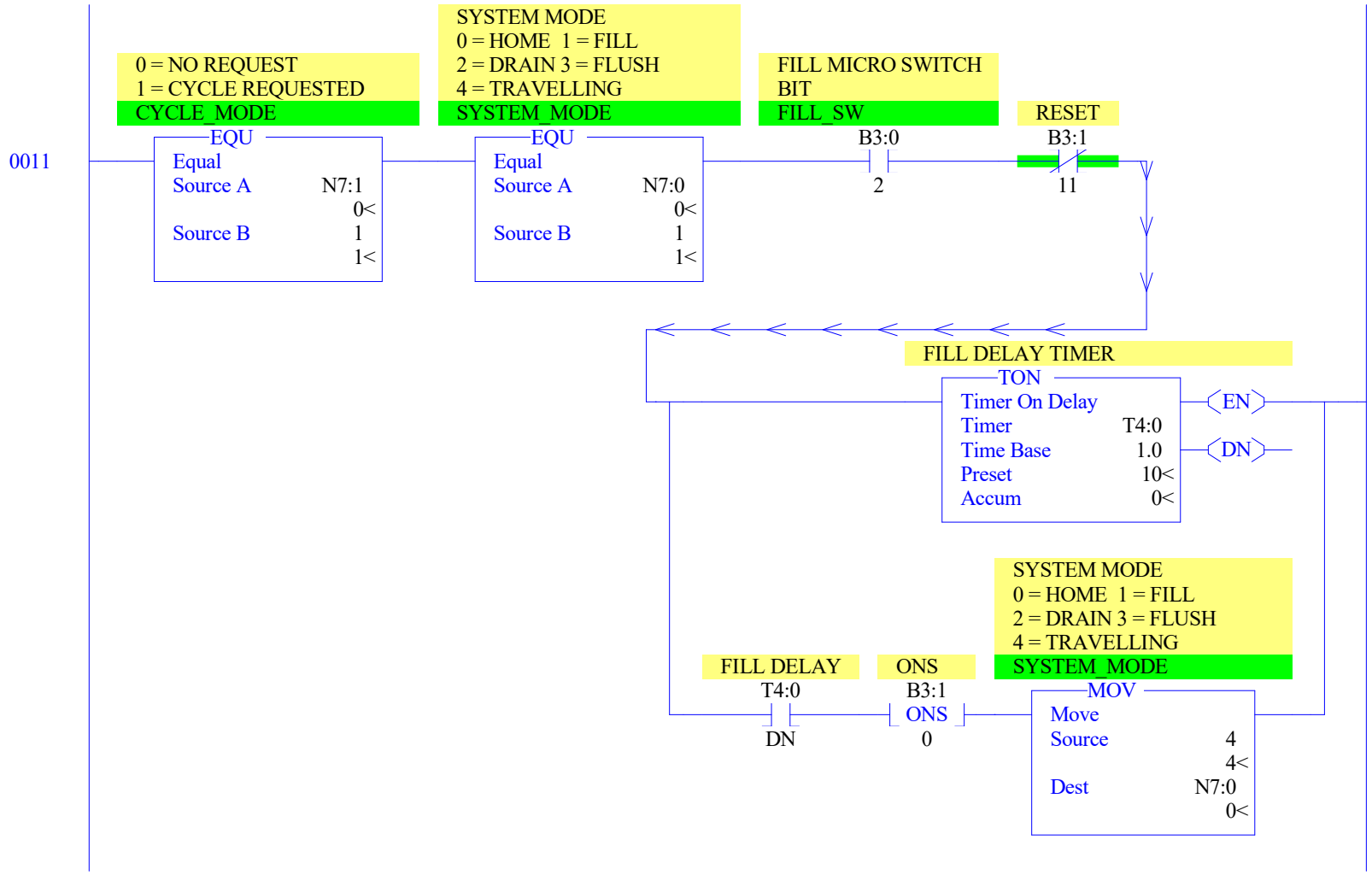
Name	Number	Type	Scope	Debug	Words	Elements	Last
OUTPUT	0	O	Global	No	15	5	O:4
INPUT	1	I	Global	No	21	7	I:6
STATUS	2	S	Global	No	0	66	S:65
BINARY	3	B	Global	No	3	3	B3:2
TIMER	4	T	Global	No	9	3	T4:2
COUNTER	5	C	Global	No	3	1	C5:0
CONTROL	6	R	Global	No	3	1	R6:0
INTEGER	7	N	Global	No	2	2	N7:1
FLOAT	8	F	Global	No	2	1	F8:0

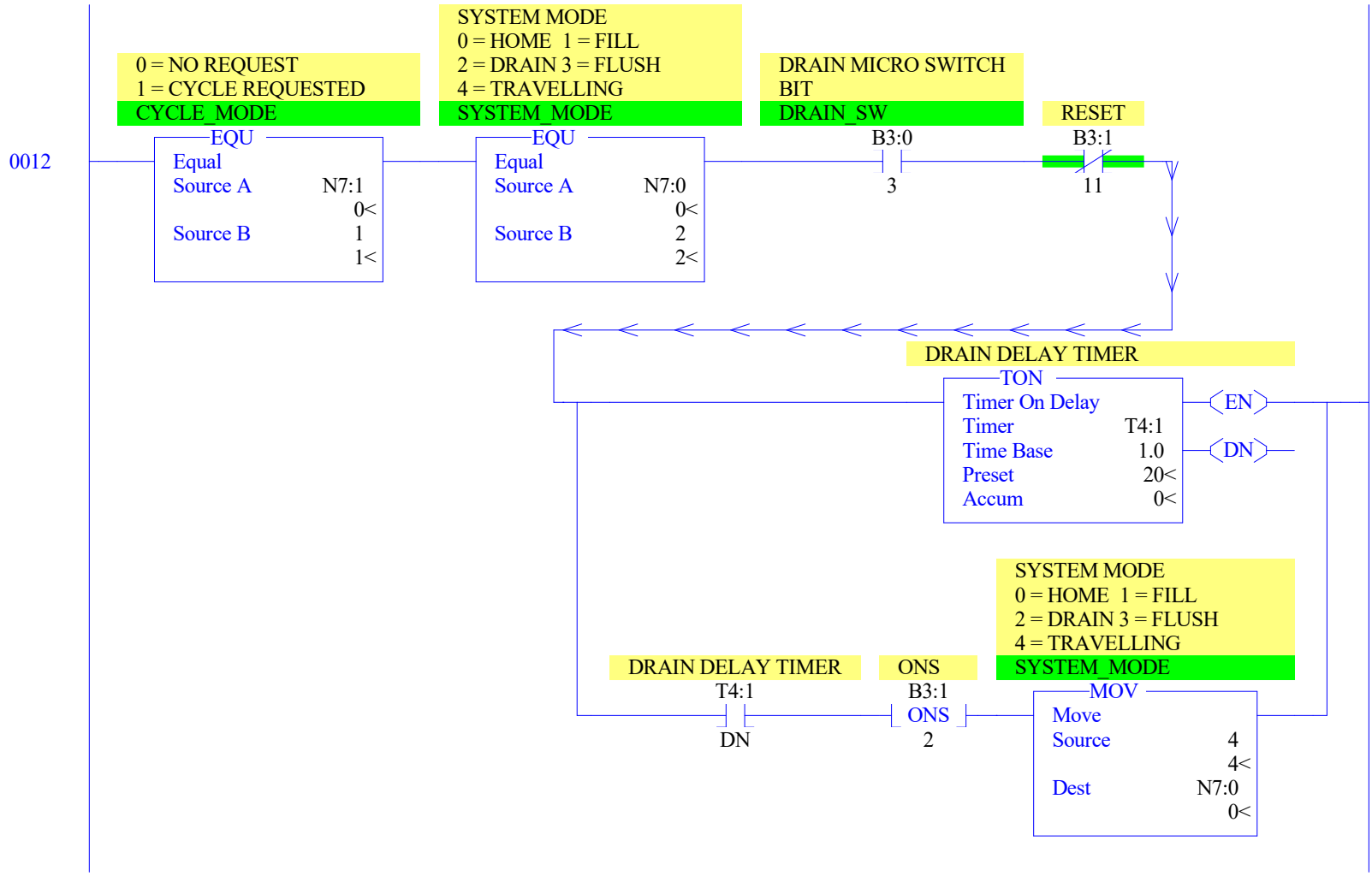

I/O
JSR
Jump To Subroutine
SBR File Number U:3
0000
CONTROLS
JSR
Jump To Subroutine
SBR File Number U:4
0001
Overflow Trap
S:5
U
0
0002
END
0003

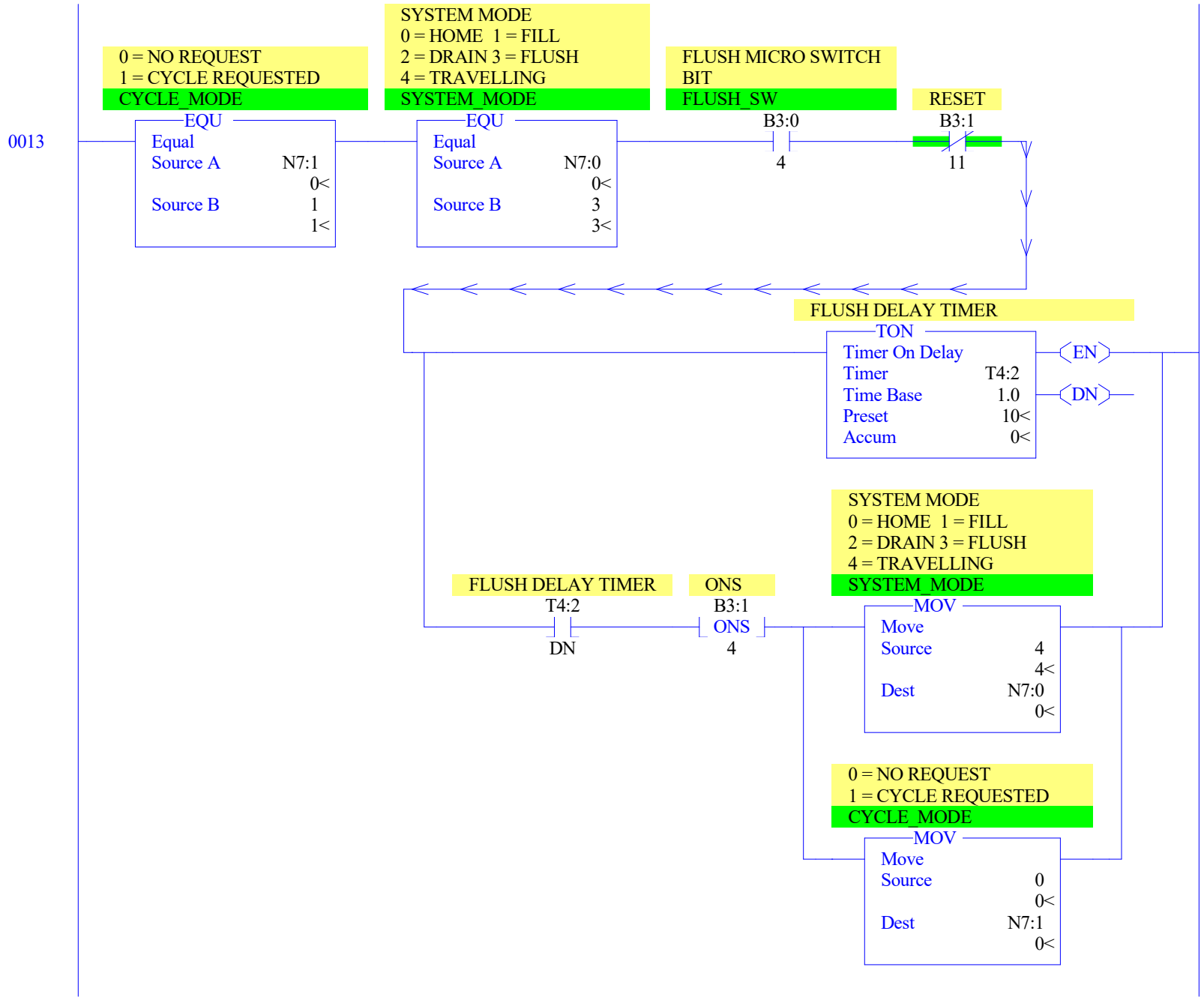

0000
CYCLE CALL INPUT
I:1
0
1762-IQ8OW6
CYCLE CALL BIT
CYCLE_CALL
B3:0
0
0001
HOME MICRO SWITCH INPUT
I:1
1
1762-IQ8OW6
HOME MICRO SWITCH BIT
HOME_SW
B3:0
1
0002
FILL MICRO SWITCH INPUT
I:1
2
1762-IQ8OW6
FILL MICRO SWITCH BIT
FILL_SW
B3:0
2
0003
DRAIN MICRO SWITCH INPUT
I:1
3
1762-IQ8OW6
DRAIN MICRO SWITCH BIT
DRAIN_SW
B3:0
3
0004
FLUSH MICRO SWITCH INPUT
I:1
4
1762-IQ8OW6
FLUSH MICRO SWITCH BIT
FLUSH_SW
B3:0
4
0005
SERVO MOTOR BIT CYCLE MODE = 0/2
SERVO_NO_CYCLE
B3:0
5
SERVO MOTOR BIT CYCLE MODE = 1
SERVO_ON_CYCLE
B3:0
7
SERVO MOTOR OUTPUT
O:1
0
1762-IQ8OW6
0006
RESET SWITCH INPUT
I:1
5
1762-IQ8OW6
RESET SWITCH BIT
RESET_SW
B3:0
6
0007
END

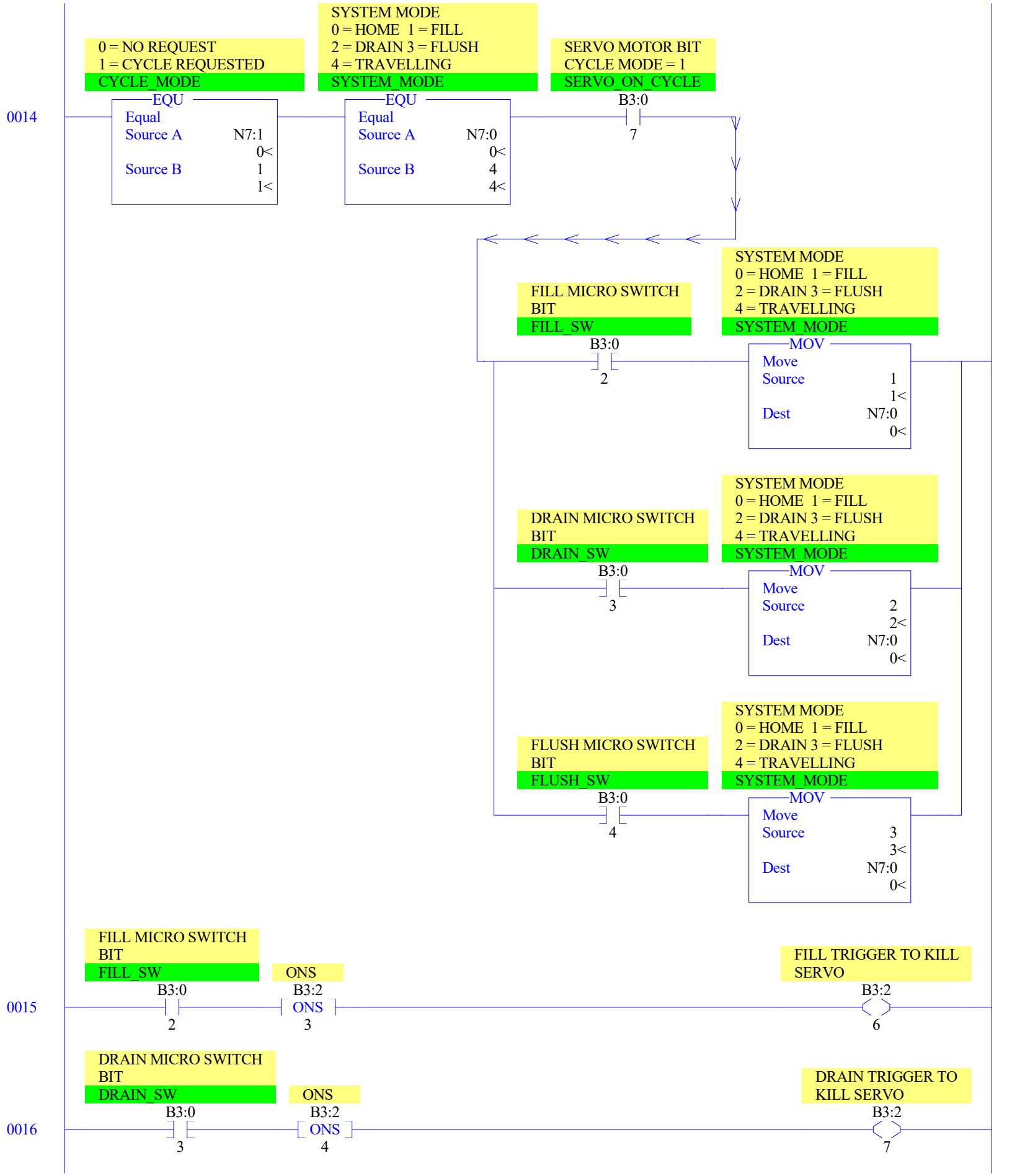

CYCLE CALL BIT
CYCLE_CALL
B3:0
0
ONS
B3:2
ONS
0
CYCLE CALL TRIGGER
B3:2
1
0000
CYCLE CALL TRIGGER
B3:2
1
CYCLE CALL
B3:2
2
0001
CYCLE CALL
B3:2
2
FLUSH DELAY TIMER
T4:2
DN
RESET
B3:1
11
0 = NO REQUEST
1 = CYCLE REQUESTED
CYCLE_MODE
CYCLE CALL
B3:2
2
0002
MOV
Move
Source
1
1<
Dest
N7:1
0<
RESET SWITCH BIT
RESET_SW
B3:0
6
RESET SWITCH TRIGGER
B3:2
9
0003
RESET SWITCH TRIGGER
B3:2
9
RESET
B3:1
11
0004
RESET
B3:1
11
HOME MICRO SWITCH BIT
HOME_SW
B3:0
1
0 = NO REQUEST
1 = CYCLE REQUESTED
CYCLE_MODE
RESET
B3:1
11
EQU
Equal
Source A
N7:1
0<
Source B
1
1<
JMP BIT
CYCLE MODE = 1
Q4:1
JMP
0005
0 = NO REQUEST
1 = CYCLE REQUESTED
CYCLE_MODE
CYCLE CALL
B3:2
2
MOV
Move
Source
0
0<
Dest
N7:1
0<
0006

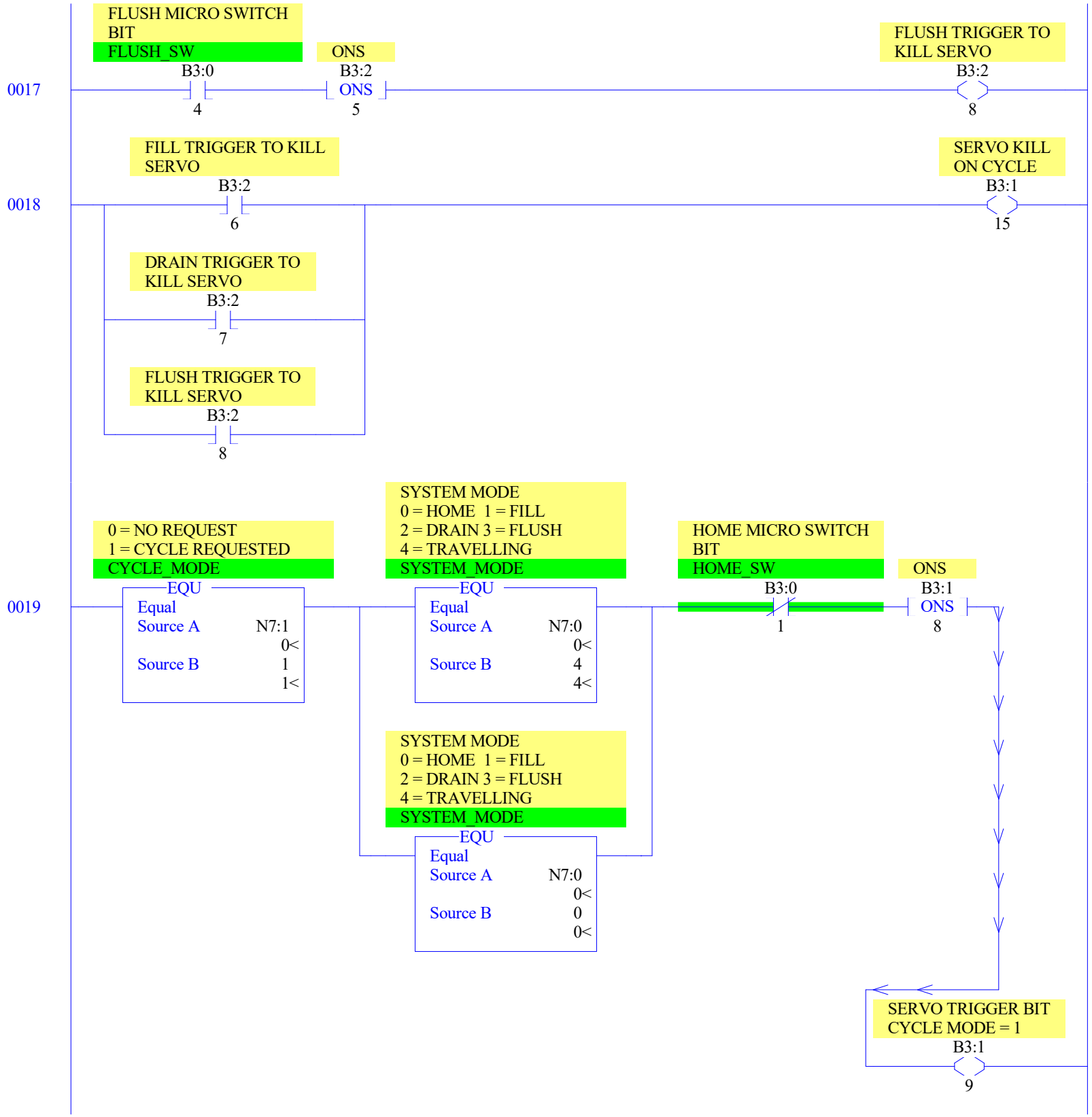

0007
0 = NO REQUEST
1 = CYCLE REQUESTED
CYCLE_MODE
EQU
Equal
Source A N7:1
0<
Source B 0
0<
ONS
B3:1
ONS
6
SERVO TRIGGER BIT
CYCLE MODE = 0/2
B3:1
7
0008
SERVO TRIGGER BIT
CYCLE MODE = 0/2
B3:1
7
SERVO MOTOR BIT
CYCLE MODE = 0/2
SERVO_NO_CYCLE
B3:0
5
HOME MICRO SWITCH
BIT
HOME_SW
B3:0
1
SERVO MOTOR BIT
CYCLE MODE = 0/2
SERVO_NO_CYCLE
B3:0
5
SYSTEM MODE
0 = HOME 1 = FILL
2 = DRAIN 3 = FLUSH
4 = TRAVELLING
SYSTEM_MODE
MOV
Move
Source 4
4<
Dest N7:0
0<
0009
0 = NO REQUEST
1 = CYCLE REQUESTED
CYCLE_MODE
EQU
Equal
Source A N7:1
0<
Source B 0
0<
HOME MICRO SWITCH
BIT
HOME_SW
B3:0
1
SYSTEM MODE
0 = HOME 1 = FILL
2 = DRAIN 3 = FLUSH
4 = TRAVELLING
SYSTEM_MODE
MOV
Move
Source 0
0<
Dest N7:0
0<
0010
JMP BIT
CYCLE MODE = 1
Q4:1
LBL
JMP BIT OUTPUT
CYCLE MODE = 1
B3:1
10

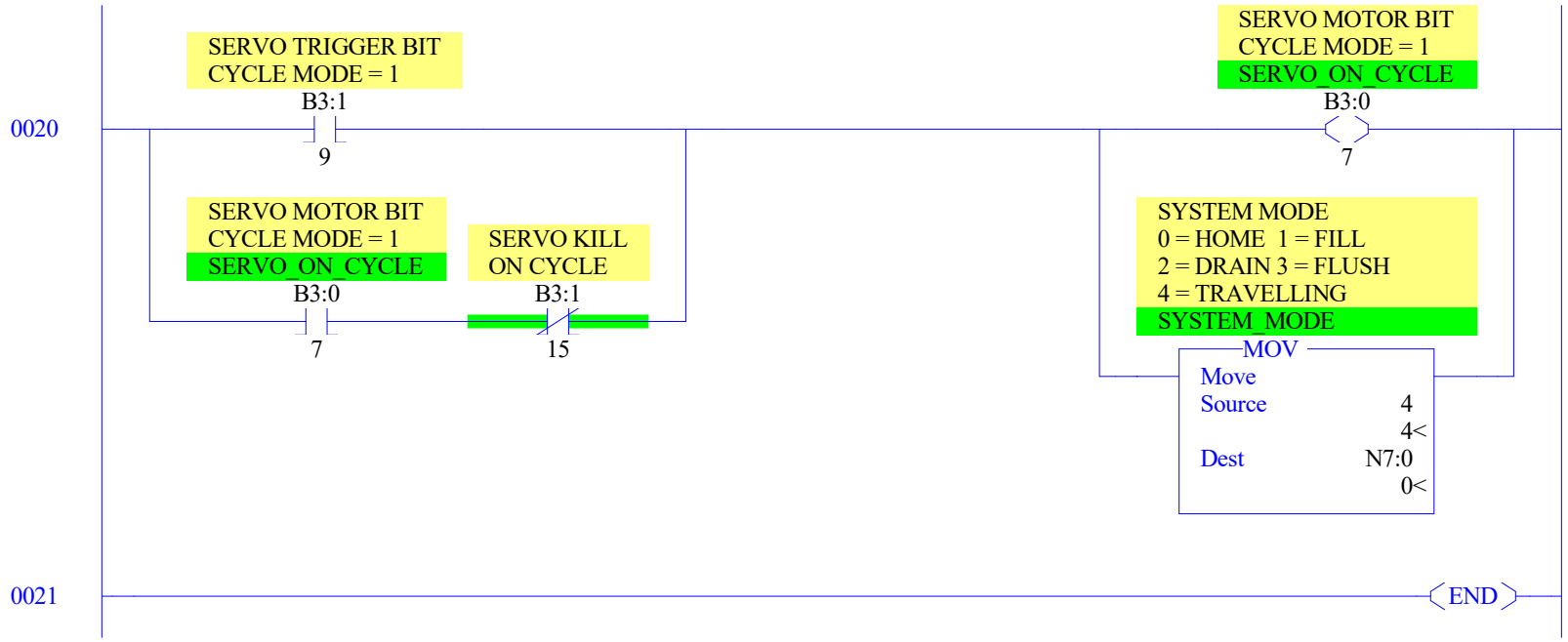

0011
0 = NO REQUEST
1 = CYCLE REQUESTED
CYCLE_MODE
EQU
Equal
Source A N7:1
0<
Source B 1
1<
SYSTEM MODE
0 = HOME 1 = FILL
2 = DRAIN 3 = FLUSH
4 = TRAVELLING
SYSTEM_MODE
EQU
Equal
Source A N7:0
0<
Source B 1
1<
FILL MICRO SWITCH BIT
FILL_SW
B3:0
2
RESET
B3:1
11
FILL DELAY TIMER
TON
Timer On Delay
Timer T4:0
Time Base 1.0
Preset 10<
Accum 0<
EN
DN
SYSTEM MODE
0 = HOME 1 = FILL
2 = DRAIN 3 = FLUSH
4 = TRAVELLING
SYSTEM_MODE
FILL DELAY
T4:0
DN
ONS
B3:1
ONS
0
MOV
Move
Source 4
4<
Dest N7:0
0<


0012
0 = NO REQUEST
1 = CYCLE REQUESTED
CYCLE_MODE
EQU
Equal
Source A N7:1 0<
Source B 1 1<
SYSTEM MODE
0 = HOME 1 = FILL
2 = DRAIN 3 = FLUSH
4 = TRAVELLING
SYSTEM_MODE
EQU
Equal
Source A N7:0 0<
Source B 2 2<
DRAIN MICRO SWITCH BIT
DRAIN_SW
B3:0
3
RESET
B3:1
11
DRAIN DELAY TIMER
TON
Timer On Delay
Timer T4:1
Time Base 1.0
Preset 20<
Accum 0<
EN
DN
SYSTEM MODE
0 = HOME 1 = FILL
2 = DRAIN 3 = FLUSH
4 = TRAVELLING
SYSTEM_MODE
DRAIN DELAY TIMER
T4:1
DN
ONS
B3:1
ONS
2
MOV
Move
Source 4 4<
Dest N7:0 0<


0013
0 = NO REQUEST
1 = CYCLE REQUESTED
CYCLE_MODE
EQU
Equal
Source A N7:1 0<
Source B 1 1<
SYSTEM MODE
0 = HOME 1 = FILL
2 = DRAIN 3 = FLUSH
4 = TRAVELLING
SYSTEM_MODE
EQU
Equal
Source A N7:0 0<
Source B 3 3<
FLUSH MICRO SWITCH BIT
FLUSH_SW
B3:0
4
RESET
B3:1
11
FLUSH DELAY TIMER
TON
Timer On Delay
Timer T4:2
Time Base 1.0
Preset 10<
Accum 0<
EN
DN
FLUSH DELAY TIMER
T4:2
DN
ONS
B3:1
ONS
4
SYSTEM MODE
0 = HOME 1 = FILL
2 = DRAIN 3 = FLUSH
4 = TRAVELLING
SYSTEM_MODE
MOV
Move
Source 4 4<
Dest N7:0 0<
0 = NO REQUEST
1 = CYCLE REQUESTED
CYCLE_MODE
MOV
Move
Source 0 0<
Dest N7:1 0<


0 = NO REQUEST
1 = CYCLE REQUESTED
CYCLE_MODE
EQU
Equal
Source A N7:1
0<
Source B 1
1<
SYSTEM MODE
0 = HOME 1 = FILL
2 = DRAIN 3 = FLUSH
4 = TRAVELLING
SYSTEM_MODE
EQU
Equal
Source A N7:0
0<
Source B 4
4<
SERVO MOTOR BIT
CYCLE MODE = 1
SERVO_ON_CYCLE
B3:0
7
0014
FILL MICRO SWITCH
BIT
FILL_SW
B3:0
2
SYSTEM MODE
0 = HOME 1 = FILL
2 = DRAIN 3 = FLUSH
4 = TRAVELLING
SYSTEM_MODE
MOV
Move
Source 1
1<
Dest N7:0
0<
DRAIN MICRO SWITCH
BIT
DRAIN_SW
B3:0
3
SYSTEM MODE
0 = HOME 1 = FILL
2 = DRAIN 3 = FLUSH
4 = TRAVELLING
SYSTEM_MODE
MOV
Move
Source 2
2<
Dest N7:0
0<
FLUSH MICRO SWITCH
BIT
FLUSH_SW
B3:0
4
SYSTEM MODE
0 = HOME 1 = FILL
2 = DRAIN 3 = FLUSH
4 = TRAVELLING
SYSTEM_MODE
MOV
Move
Source 3
3<
Dest N7:0
0<
FILL MICRO SWITCH
BIT
FILL_SW
B3:0
2
ONS
B3:2
ONS
3
FILL TRIGGER TO KILL
SERVO
B3:2
6
0015
DRAIN MICRO SWITCH
BIT
DRAIN_SW
B3:0
3
ONS
B3:2
ONS
4
DRAIN TRIGGER TO
KILL SERVO
B3:2
7
0016


FLUSH MICRO SWITCH BIT
FLUSH_SW
B3:0
4
ONS
B3:2
ONS
5
FLUSH TRIGGER TO KILL SERVO
B3:2
8
0017
FILL TRIGGER TO KILL SERVO
B3:2
6
SERVO KILL ON CYCLE
B3:1
15
0018
DRAIN TRIGGER TO KILL SERVO
B3:2
7
FLUSH TRIGGER TO KILL SERVO
B3:2
8
0 = NO REQUEST
1 = CYCLE REQUESTED
CYCLE_MODE
EQU
Equal
Source A N7:1
0<
Source B 1
1<
SYSTEM MODE
0 = HOME 1 = FILL
2 = DRAIN 3 = FLUSH
4 = TRAVELLING
SYSTEM_MODE
EQU
Equal
Source A N7:0
0<
Source B 4
4<
HOME MICRO SWITCH BIT
HOME_SW
B3:0
1
ONS
B3:1
ONS
8
0019
SYSTEM MODE
0 = HOME 1 = FILL
2 = DRAIN 3 = FLUSH
4 = TRAVELLING
SYSTEM_MODE
EQU
Equal
Source A N7:0
0<
Source B 0
0<
SERVO TRIGGER BIT
CYCLE MODE = 1
B3:1
9


0020
SERVO TRIGGER BIT
CYCLE MODE = 1
B3:1
9
SERVO MOTOR BIT
CYCLE MODE = 1
SERVO_ON_CYCLE
B3:0
7
SERVO KILL
ON CYCLE
B3:1
15
SERVO MOTOR BIT
CYCLE MODE = 1
SERVO_ON_CYCLE
B3:0
7
SYSTEM MODE
0 = HOME 1 = FILL
2 = DRAIN 3 = FLUSH
4 = TRAVELLING
SYSTEM_MODE
MOV
Move
Source 4
4<
Dest N7:0
0<
0021
END

Data File O0 (bin) -- OUTPUT

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
O:1.0											0	0	0	0	0	0	1762-IQ8OW6 - 8-Input 10/30 VDC 6-Output (RLY

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
I:1.0									0	0	0	0	0	0	0	0	1762-IQ8OW6 - 8-Input 10/30 VDC 6-Output (RLY	

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
OS Series S:58 = A
OS FRS S:59 =
Processor Catalog Number S:60 =
Processor Series S:61 = A
Processor FRN S:62 =
User Program Type S:63 = 8001h
Compiler Revision Number S:64 =

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

Chan 0

Processor Mode S:1/0- S:1/4 = Remote Program Mode
Node Address S:15 (low byte) = 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
Outgoing Msg Cmd Pending S:33/2 = 0

Debug

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

Errors

Fault Override At Power Up S:1/8 = 0
Startup Protection Fault S:1/9 = 0
Major Error Halt S:1/13 = 0
Overflow Trap S:5/0 = 0
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
Fault Routine S:29 = 0
Major Error S:6 = 0h
Error Description:

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	

Data File T4 -- TIMER

Offset	EN	TT	DN	BASE	PRE	ACC	(Symbol) Description
T4:0	0	0	0	1.0 sec	10	0	FILL DELAY TIMER
T4:1	0	0	0	1.0 sec	20	0	DRAIN DELAY TIMER
T4:2	0	0	0	1.0 sec	10	0	FLUSH DELAY TIMER

Data File C5 -- COUNTER

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

Data File N7 (dec) -- INTEGER

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

Data File F8 -- FLOAT

Offset	0	1	2	3	4
F8:0	0				

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	De
B3:0/0	CYCLE_CALL	Global	CYCLE CALL BIT		
B3:0/1	HOME_SW	Global	HOME MICRO SWITCH BIT		
B3:0/2	FILL_SW	Global	FILL MICRO SWITCH BIT		
B3:0/3	DRAIN_SW	Global	DRAIN MICRO SWITCH BIT		
B3:0/4	FLUSH_SW	Global	FLUSH MICRO SWITCH BIT		
B3:0/5	SERVO_NO_CYCLE	Global	SERVO MOTOR BIT CYCLE MODE = 0/2		
B3:0/6	RESET_SW	Global	RESET SWITCH BIT		
B3:0/7	SERVO_ON_CYCLE	Global	SERVO MOTOR BIT CYCLE MODE = 1		
B3:1/0			ONS		
B3:1/1			DRAIN MODE TRIGGER BIT		
B3:1/2			ONS		
B3:1/3			FLUSH CYCLE TRIGGER BIT		
B3:1/4			ONS		
B3:1/5			CYCLE END TRIGGER		
B3:1/6			ONS		
B3:1/7			SERVO TRIGGER BIT CYCLE MODE = 0/2		
B3:1/8			ONS		
B3:1/9			SERVO TRIGGER BIT CYCLE MODE = 1		
B3:1/10			JMP BIT OUTPUT CYCLE MODE = 1		
B3:1/11			RESET		
B3:1/12			FILL TRIGGER BIT		
B3:1/13			DRAIN TRIGGER BIT		
B3:1/14			FLUSH TRIGGER BIT		
B3:1/15			SERVO KILL ON CYCLE		
B3:2/0			ONS		
B3:2/1			CYCLE CALL TRIGGER		
B3:2/2			CYCLE CALL		
B3:2/3			ONS		
B3:2/4			ONS		
B3:2/5			ONS		
B3:2/6			FILL TRIGGER TO KILL SERVO		
B3:2/7			DRAIN TRIGGER TO KILL SERVO		
B3:2/8			FLUSH TRIGGER TO KILL SERVO		
B3:2/9			RESET SWITCH TRIGGER		
B3:8/11					
I:0			CYCLE CALL		
I:0/0			CYCLE CALL INPUT		
I:0/1					
I:0/2					
I:0/3					
I:0/4					
I:1/0			CYCLE CALL INPUT		
I:1/1			HOME MICRO SWITCH INPUT		
I:1/2			FILL MICRO SWITCH INPUT		
I:1/3			DRAIN MICRO SWITCH INPUT		
I:1/4			FLUSH MICRO SWITCH INPUT		
I:1/5			RESET SWITCH INPUT		
N7:0	SYSTEM_MODE	Global	SYSTEM MODE 0 = HOME 1 = FILL 2 = DRAIN 3 = FLUSH 4 = TRAVELLING		
N7:1	CYCLE_MODE	Global	0 = NO REQUEST 1 = CYCLE REQUESTED		
O:0/0					
O:1/0			SERVO MOTOR OUTPUT		
Q4:1			JMP BIT CYCLE MODE = 1		
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		

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	De
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		
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		

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	De
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		
T4:0			FILL DELAY TIMER		
T4:0/DN			FILL DELAY		
T4:1			DRAIN DELAY TIMER		
T4:1/DN			DRAIN DELAY TIMER		
T4:2			FLUSH DELAY TIMER		
T4:2/DN			FLUSH DELAY TIMER		
U:3			I/O		
U:4			CONTROLS		

Instruction Comment Database

Address	Instruction	Description

Symbol Group Database

Group_Name	Description