Modbus_Comm

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Modbus_Comm

Local Variables

Name	Alias	Data Type	Dimension	Initial Value	Project Value	Comment	Direction	Retained	String Size
MB_LocCfg		MODBUS2LOCPARA		...	...		Var	False	
MB_TarCfg		MODBUS2TARPARA		...	...		Var	False	
MB_LocAddr		MODBUSLOCADDR		...	...		Var	False	
TON_Acc		TIME				Modbus Comm Timer Elapsed Time (Data Type = Time)	Var	False	
MB_Read_Cmd		BOOL				Modbus Read Command	Var	False	
MB_Write_Cmd		BOOL				Modbus Write Command	Var	False	
MSG_MB_Done		BOOL				Modbus Message #1 Done	Var	False	
MB_Comm_Disable		BOOL				Modbus Comm Disable Command	Var	False	
TON_Preset		TIME		T#1000ms		Elapsed Time Setpoint #1	Var	False	
Comm_TON		TON		...	...		Var	False	
MSG_MB2_RW		MSG_MODBUS2		...	...		Var	False	
word02		WORD					Var	False	
word51		WORD					Var	False	

mismatch		DINT					Var	False	
mismatch_CTU		CTU		...	...		Var	False	
mbdone_CTU		CTU		...	...		Var	False	
mismatch_reset		BOOL					Var	False	
mbdone_reset		BOOL					Var	False	
mbdone_count		DINT					Var	False	

Rung1 ASCII

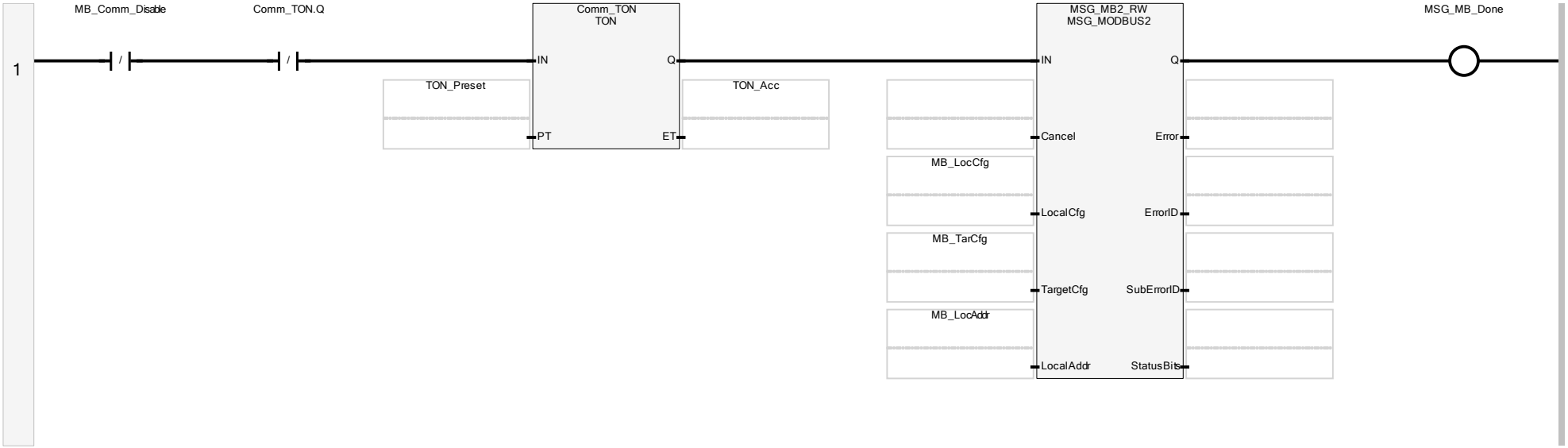
XIO MB_Comm_Disable **XIO** Comm_TON.Q **TON** Comm_TON TON_Preset TON_Acc **MSG_MODBUS2** MSG_MB2_RW **?** MB_LocCfg MB_TarCfg MB_LocAddr **? ? ? ?** **OTE** MSG_MB_Done

Rung1 Diagram

Implement Modbus Client on this Micro8xx

- Run repeating timer to drive read cycle

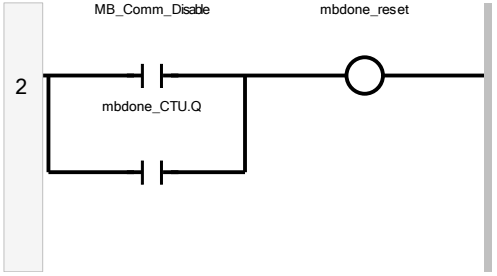
- Execute Modbus message on timer expiry



Rung2 ASCII

BST XIC MB_Comm_Disable **NXB XIC** mbdone_CTU.Q **BND OTE** mbdone_reset

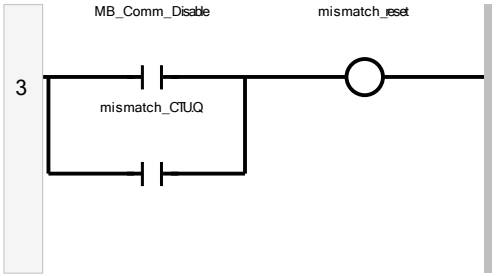
Rung2 Diagram



Rung3 ASCII

BST XIC MB_Comm_Disable **NXB XIC** mismatch_CTU.Q **BND OTE** mismatch_reset

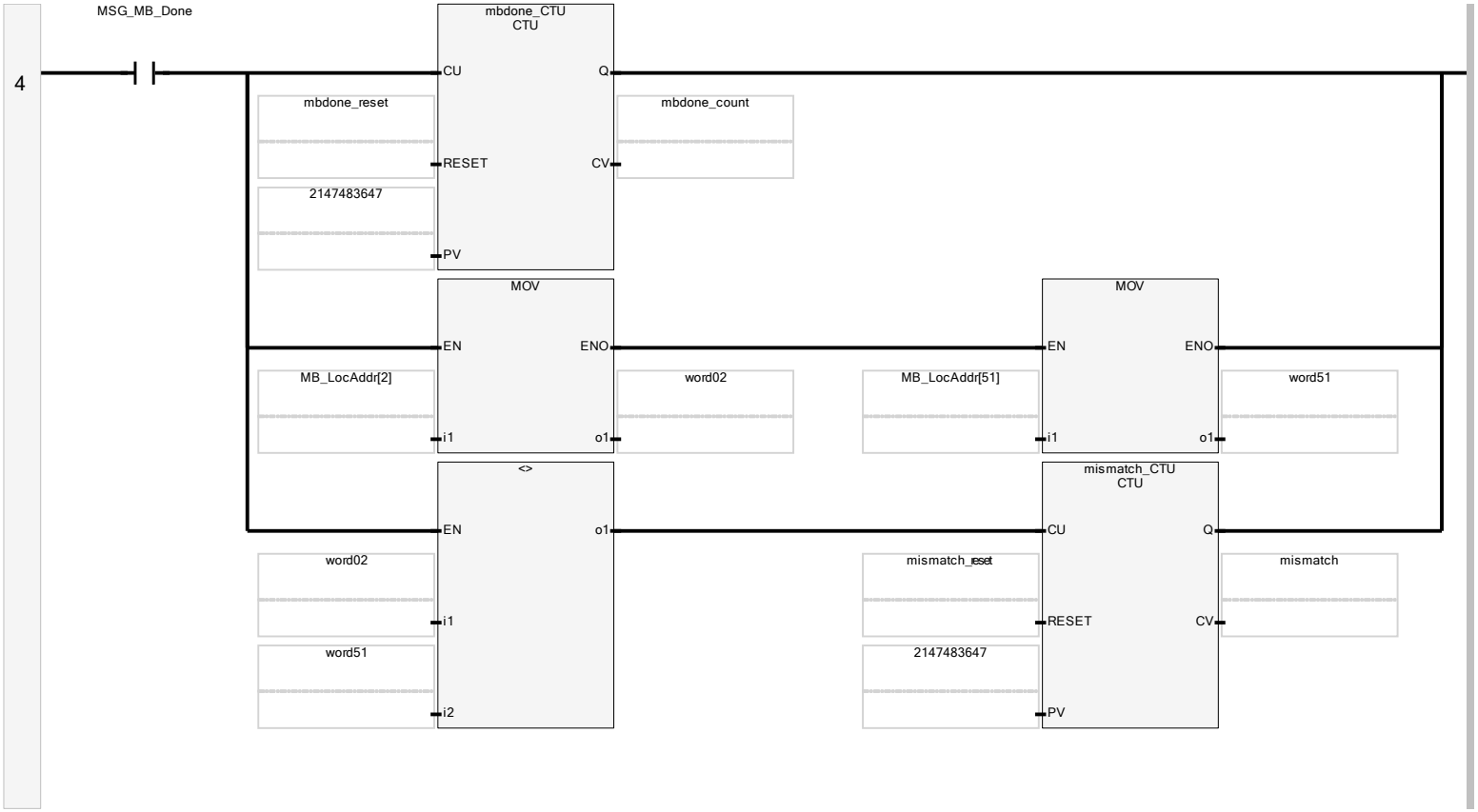
Rung3 Diagram



Rung4 ASCII

XIC MSG_MB_Done **BST CTU** mbdone_CTU mbdone_reset 2147483647 mbdone_count **NXB MOV** MB_LocAddr[2] word02 **MOV** MB_LocAddr[51] word51 **NXB <>** word02 word51 **CTU** mismatch_CTU mismatch_reset 2147483647 mismatch **BND**

Rung4 Diagram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MSG_MB_Done
mbdone_CTU
CTU
CU
Q
mbdone_reset
RESET
mbdone_count
CV
2147483647
PV
MOV
EN
ENO
MB_LocAddr[2]
i1
word02
o1
MOV
EN
ENO
MB_LocAddr[51]
i1
word51
o1
<>
EN
o1
word02
i1
word51
i2
mismatch_CTU
CTU
CU
Q
mismatch_reset
RESET
mismatch
CV
2147483647
PV