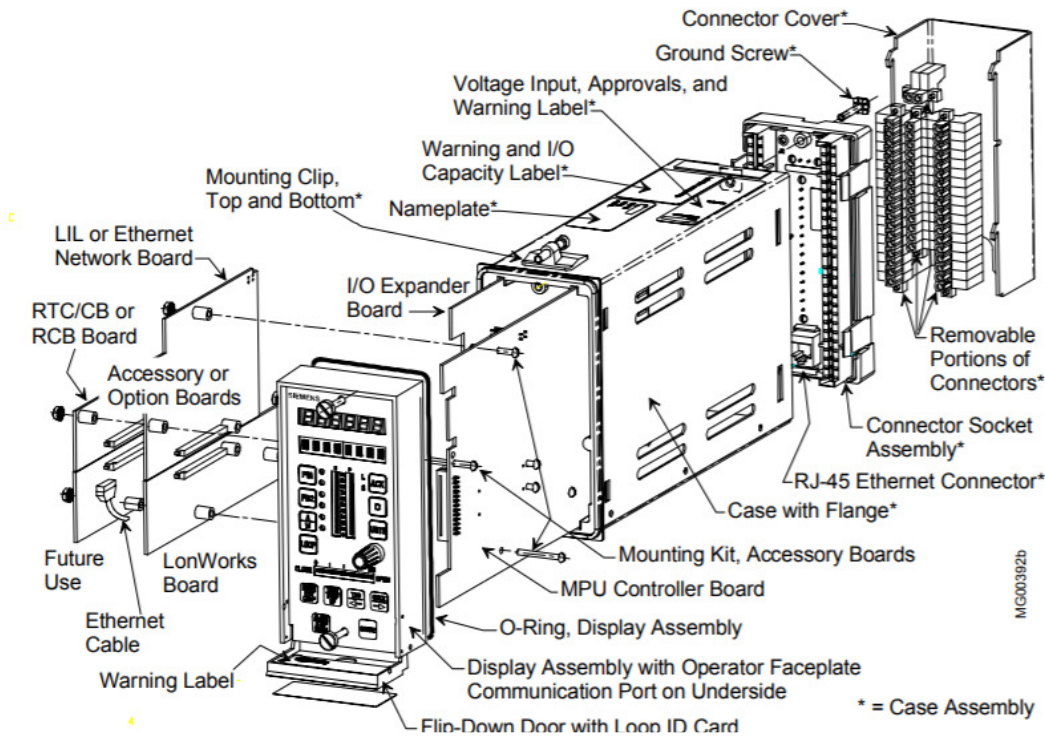


Moore 353 Process Automation Controller

Siemens Industry, Inc.

The Moore 353 offers the control system designer the ultimate in flexibility and capability for the implementation of continuous solutions and batch solutions. An exploded view of the controller appears in Figure 1-1.

At the heart of the Moore 353 is a powerful MPU Controller board that uses the latest in microprocessor technology. It includes on-board I/O and reusable function blocks, and it is capable of solving a vast array of control implementations including single loop, cascade, and dual loop. Available MPU board I/O is listed in the table below.



Modbus communication is standard and a port (RS485, half-duplex) at the rear terminals provides for network connection of up to 32 controllers (e.g. Models 352P, 353, 354, 354N, and Procidia™ i|pac™) to an operator workstation, Human/Machine Interface (HMI), or DCS, enabling integration of controllers into a plant-wide system. A popular HMI is the Procidia i|station™ running i|ware PC™ operator interface software. A communication port (RS232) on the underside of the Display Assembly is available for configuration and/or debugging when using i|config™, the optional PC-based Graphical Configuration Utility.

An optional I/O Expander Board can be added to the base Moore 353. It includes direct thermocouple, RTD, and frequency inputs and additional I/O for direct process measurement of temperature and frequency variables, improving accuracy and control. Available Expander board I/O is listed below.

I/O on MPU Controller Board	I/O on Expander Board
Analog Inputs 1, 2, and 3	Analog Input 4
Analog Outputs 1 and 2	Analog Output 3
Digital Inputs 1 and 2	Digital Inputs 3 and 4
Digital Outputs 1 and 2	---
---	Analog Inputs Universal 1 and 2
---	Digital Inputs Universal 1 and 2
---	Relay Outputs 1 and 2

Moore 353 Process Automation Controller Model Selection (Design Level "B")

Model No. TGX:3 5 3						
MPU Controller Board						
120/240 Vac (85-264 Vac), 47-63 Hz	A					
24 Vdc, +20%, -15%	D					
Mounting Case						
Case with 52 Terminals and Ethernet Connector		4				
High Shock and Vibration Case with Ethernet Connector (Requires Electrical Approval "N Not Required")		5				
Operators Display Panel						
Fixed Analog and Digital Displays			F			
I/O Expansion						
Not Required				N		
Local I/O Expander (e.g., TC, RTD, Freq, Relay)				1		
MultiMediaCard						
Not Required				N		
MMC				C		
Modification Options						
Not Required					N	
Controller Modified as detailed in order Bill of Material					X	
Design Level						
Design Level 'B'						B
Electrical Approval						
Not Required						N
FM-CSA Division 2 Class 1 Groups A, B, C and D suitable for non-incendive (CE compliant)						4
FM/CSA Division 2 Class 1 Groups A, B, C and D suitable for non-incendive (CE Compliant and ABS approved)						W
FM/CSA Division 2 Class 1 Groups A, B, C and D suitable for non-incendive						X

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