

**53MC5000 Process Controller, 53IT5000 Indicator/Totalizer, 53ML5100 Manual Loader, 53SL5100 Single Loop Controller**

As of September 15, 2012 all 53MC5000, 53IT5100, 53SL5100 and 53ML5100 boards are supplied with conformal coating. A cross-reference is provided in the column "Replaces". Please contact MicroMod Customer Service at 1-800-480-1975 or 585-321-9200, or email sales@micromod.com with any questions.

Part Number	Description	Replaces
<b>Main Processor Boards</b>		
<b>Replacement kits for Design Level "A" Main Boards</b> (includes Design B board and appropriate functionality license)		
614C189U11	Single loop, standard functionality	686B608U01
614C189U12	Two loop, standard functionality	686B608U02
614C189U13	Two loop, extended programmable	686B608U03
614C189U14	Four loop, standard functionality	686B608U04
614C189U15	Four loop, extended programmable	686B608U05
<b>Replacements for Design Level "B" Main Boards</b>		
686B803U06	53MC5000 Design B - single loop, standard functionality	686B803U01
686B803U10	53MC5000 Design B - two or four loop, standard or extended functionality	686B608U02-U09
686B803U12	53IT5100 Design A and B - Main processor board	686B689U02, U05
686B803U14	53ML5100 Design A and B - Main processor board	686B689U03, U06
686B803U16	53SL5100 Design A and B - Main processor board	686B689U01, U04
<b>Power Supplies</b>		
685B736U01	120/220 Vac 50-60 Hz Power Supply	164B130U03
685B736U02	24 Vdc Power Supply	164B130U04
<b>Front Display Assembly</b>		
698B179U01	53MC5000 Front Display Assembly - Standard Resolution	
698B275U01*	53MC5000 Front Display Assembly - High Resolution	
698B179U03	53MC5000 Front Display Assembly - Standard Resolution	689B179U01
698B275U02*	53MC5000 Front Display Assembly - High Resolution	698B275U01
698B179U03*	53IT5100, 53ML5100, 53SL5100 Design A and B Front Display Assembly	698B179U05-U08
<b>Rear Terminal Boards</b>		
686B598U03*	Standard Rear Term PCB	686B598U01
686B607U03*	Cord Set Rear Connector Backplane only	686B607U01
686B616U03	Cord Set ITB only	686B616U01
<i>Note: Cord Set allows remote termination of 53MC5000 Standard I/O</i>		
<b>Chassis</b>		
612B395U03	Enclosure Case	
686B604U02	Expansion Rear Terminal Board	686B604U01
686B605U02	Expansion PCB	686B605U01
173D135U01	Cable-Main PCB to Expansion PCB	
<b>Discrete I/O Option</b>		
686B600U02	6 DI/4DO Option PCB	686B600U01
686B613U03	6 DI/4DO ITB	686B613U01
686B625U02	16 DI/DO Option PCB	686B625U01
686B628U02	16 DI/DO ITB	686B628U01
686B614U03	Dual Relay ITB	686B614U01
<b>Analog I/O Option</b>		
686B606U02	Single Channel Analog PCB	686B606U01
686B612U02	Multi Channel Analog Option PCB	686B612U01
686B617U03	Analog ITB	686B617U01

\*Indicates recommended spare parts

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Part Number	Description	Replaces
<b>Analog Conditioning Modules</b>		
177A128U01	Analog Module 0-10 mV	
177A128U02	Analog Module 0-50 mV	
177A128U05	Analog Module 0-5 V	
177A128U06	Analog Module 0-10 V	
177A128U07	Analog Module-RTD (100 OHM) -100 +100°C	
177A128U08	Analog Module-RTD (100 OHM) 0-100°C	
177A128U09	Analog Module-RTD (100 OHM) 0-200°C	
177A128U10	Analog Module-RTD (100 OHM) 0-600°C	
177A128U14	Analog Module-Type J, 0-760°C	
177A128U15	Analog Module-Type J, -100 +300°C	
177A128U16	Analog Module-Type J, 0-500°C	
177A128U17	Analog Module-Type K, 0-1000°C	
177A128U20	Analog Module-Type T, 0-200°C	
177A128U25	Analog Module 0-20 mA	
<b>Communications Options</b>		
686B599U02	MicroLink Communication Option PCB only	686B599U01
686B622U02	Communications ITB only	686B622U01
686B700U02	Auxiliary Processor Board, (APB)	686B700U01
686B720U02	RS232/485 ITB	686B720U01
686B615U01	SCADA Adaptor for radio modem connection (DataLink only)	
<b>Cables</b>		
677B942U01	Ribbon Cable, Standard Resolution Display to Design A Main PCB (25 pin to 25 pin)	
614C157U01	Ribbon Cable, Standard Resolution Display to Design B Main PCB (25 pin to 50 pin)	
614C157U02	Ribbon Cable, High Resolution Display to Design B Main PCB (50 pin to 50 pin)	
677B943U01	Comm. Cable 2.5 Ft.	
677B943U02	Comm. Cable 5 Ft.	
677B943U03	Comm. Cable 25 Ft.	
677B943U04	Comm. Cable 40 Ft.	
677B944U01	ITB Cable Assy. 5 Ft.	
677B944U02	ITB Cable Assy. 10 Ft.	
677B944U03	ITB Cable Assy. 25 Ft.	
698B184U01	9 Pin Serial Cable (Instrument to PC)	
172M100U02	9-pin to 9-pin communications cable, Null Modem	
<b>Miscellaneous</b>		
614B979U01	Case MTG Bracket and mounting collar	123G001U01
129A003U03	Wall Mount Channel 4 Ft.	
614B958U01	Din Rail Adapter Kit (Includes 24 pcs - 129A004U01)	
614B958U02	Din Rail Adapter Kit (Includes 12 pcs - 129A004U01)	
161M417U05	250 OHM Resistor	
338B708A11	Rear of Case Tag	
338F102U01	Paper Grey Tag (Strip of 6)	
338F103U01	Plastic Tag	
355J093U01	Single Trim Collar	
612B403U01	Panel Filler Kit (72 x 144 mm DIN)	
614B762U02	3 x 6 Panel Conversion Kit	
325A095U01	Front Latch Door (covers RS232 Configuration Port)	
614B940U01	Single Instrument NEMA 4 Cover Kit	

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<b>Fuses</b>	
151B055U01	0.25 AMP, for 6DI/4DO ITB, Analog ITB, HART, & HART Modem ITB - pkg of 6
151B055U03	1.0 AMP, for 16 DI/DO ITB - package of 2
151B055U05	10 AMP, for Dual Relay ITB - package of 2
<b>Functionality Upgrade Kits</b>	
614B873U01	53MC5000A Software Kit "PIC" 2 Loop Standard Functionality
614B873U02	53MC5000A Software Kit "PIC" 2 Loop Extended Functionality
614B873U03	53MC5000A Software Kit "PIC" 4 Loop Standard Functionality
614B873U04	53MC5000A Software Kit "PIC" 4 Loop Extended Functionality
614C175U01	53MC5000B Software License Kit 2 Loop/ Standard Functionality
614C175U02	53MC5000B Software License Kit 2 Loop/Extended Functionality
614C175U03	53MC5000B Software License Kit 4 Loop/ Standard Functionality
614C175U04	53MC5000B Software License Kit 4 Loop/Extended Functionality
<b>53MC5000 Design Level "A" to Design Level "B" with High Resolution Display</b>	
<i>Includes Design Level B main board, case magnet kit, and high-resolution display assembly</i>	
614C189U16	53MC5000B Single Loop
614C189U17	53MC5000B Two Loop Standard Functionality
614C189U18	53MC5000B Two Loop Extended Functionality
614C189U19	53MC5000B Four Loop Standard Functionality
614C189U20	53MC5000B Four Loop Extended Functionality
<b>Hardware / Firmware Upgrade Kits</b>	
614C090U01	53MC5000A Rev 5 Firmware Upgrade
614C176U01	53MC5000 Case Magnet Kit
614C088U01	53MC5000 Microlink PROM Upgrade to current verison (Ceramic PROMS)
614C088U02	53MC5000 Microlink PROM Upgrade to current verison (Plastic PROMS)
614B978U01	53SL5100 Rev 1 Firmware Upgrade Kit
614B989U01	53IT5100 Rev 1 Firmware Upgrade Kit
614B988U01	53ML5100 Rev 1 Firmware Upgrade Kit

*\*Indicates recommended spare parts*

**53SL6000 "MicroMite" Controller Spare and Expansion Parts**

<b>Display/Controller Assembly</b>	
698B235U01 *	Display/Controller Assembly (Bezel, Display/Controller Board, Front Membrane, Gasket)
333B016U01 *	Display/Controller Gasket (only)
<b>Power Supply</b>	
686B736U01 *	120/220 Vac 50-60 Hz Power Supply
<b>Rear Terminal Plugs</b>	
172G440U01	AC Input Terminal Plug - 3P
172G440U03	Standard Input/Output Terminal Plug - 12P
172F464U04	Universal Module Terminal Plug - 8P
172F464U03	Contact Output Terminal Plug - 6P
172F464U01	Contact Input Terminal Plug - 4P
172F464U02	RS-422/485 Comm. Module Terminal Plug - 5P
172F464U07	RS-232 Communication Module Terminal Plug - 5P
<b>Chassis</b>	
324A528U01	Enclosure Case - Molded
353F064U01	Mounting Bracket (only)
396C272U01	Mounting Bracket Screw
<b>Discrete I/O Option</b>	
682A551U01	2 DI/2DO Option Module
<b>Analog I/Option</b>	
682A550U01	Single Universal Module
682A550U02	Dual Universal Module
<b>Communications Option</b>	
682A552U01 *	RS-422/485 Communications Module
682A552U02 *	RS-232 Communications Module
014F010T10	Communications Module Retaining Screw (4-40 x 5/8)
686B720U01	RS232/485 Interface Terminal Board (ITB)
686B622U01	Communications Interface Terminal Board (ITB)
<b>53SL6000 Cables</b>	
173D078U01 *	Cable-Display to Power Supply
698B239U01	Cable - Controller to PC, RS232 interface Cable
698B240U01	Cable - PC to RS232/485 ITB, RS232 interface Cable
677B943U01	Comm. Cable 2.5 Ft.
677B943U02	Comm. Cable 5 Ft.
677B943U03	Comm. Cable 25 Ft.
677B943U04	Comm. Cable 40 Ft.
172M100U02	9-pin to 9-pin communications cable, Null Modem
<b>Miscellaneous</b>	
014F004T10	Module Retaining Screw & 101W796U01 O-ring (for Digital and Analog option modules)
014H006T10	Grounding Screw
107J013U01	Screw Driver
338F104U01	Identification Tag

*\*Indicates recommended spare parts*

**Supervisor-PC Spare and Expansion Parts**

614C085U01	Supervisor-PC Datalink PROM Upgrade to Version 5
614C086U01	Supervisor-PC Microlink PROM Upgrade to Version 5
677B814U01	Cable, Supervisor-PC to Allen-Bradley or Modicon (25 pin) - 5 ft
677B814UXX	Cable, Supervisor-PC to Allen-Bradley or Modicon (25 pin) - custom length
677B815U01	Cable, Supervisor-PC to Opto MUX (15 pin) - 5 ft
677B815UXX	Cable, Supervisor-PC to Opto MUX (15 pin) - custom length
677B826U01	Cable, Supervisor-PC to Allen-Bradley (15 pin) - 5 ft
677B826UXX	Cable, Supervisor-PC to Allen-Bradley (15 pin) - custom length
677B907U01	Cable, Datalink Supervisor Card to any Micro-DCI Instrument - 5 ft
677B907U02	Cable, Datalink Supervisor Card to any Micro-DCI Instrument - 10 ft
677B907U03	Cable, Datalink Supervisor Card to any Micro-DCI Instrument - 15 ft
677B907U04	Cable, Datalink Supervisor Card to any Micro-DCI Instrument - 20 ft
677B907U05	Cable, Datalink Supervisor Card to any Micro-DCI Instrument - 25 ft
677B907U06	Cable, Datalink Supervisor Card to any Micro-DCI Instrument - 30 ft
677B907U07	Cable, Datalink Supervisor Card to any Micro-DCI Instrument - 50 ft
686B574U03	Supervisor card, Datalink with PLC option
686B619U03	Supervisor card, Microlink
686B619U04	Supervisor card, Microlink with PLC option
686B626U02	Redundant Microlink Interface
686B627U01	Supervisor CCI/CCO ITB - Microlink
172S001U02	Supervisor CCI/CCO ITB (Datalink)

**EP-1000 E-Port Ethernet Converter Spare Parts**

623B600U01	Snap Trac Mounting Bracket
122C100U01	Wall/DIN Rail mounting bracket Kit
172M100U01	Cable, null modem, DB-9F, 1 ft.
172M100U02	Cable, null modem, DB-9F, 6 ft.
677C101U01	Cable, power adaptor
164B200U01	Replacement Power Supply, Wall Mount

**Product Manuals**

*All manuals are supplied on CD with product at time of ordering. Printed paper manuals can be ordered as follows:*

PN24950	53MC5000 Instruction Bulletin
PN24568A	53MC5000 Flexible Control Strategies
PN24976	53MC5000 Installation Guide
PN29475A	53MC5000 Customization Guide (F-TRAN & FCIM)
PN24470	53MC9011 (53MC5000) MicroLink Instruction Bulletin
PN24526	53MC9014 (53MC5000) HART Interface
PN24627A	53MC9015 (53MC5000) PLC/Printer Interface I.B.
PN24698	53ML5100 Instruction Bulletin
PN24479	53IT5100 Instruction Bulletin
PN24469	53SL5100 Instruction Bulletin
PN24991A	53SL6000 Instruction Bulletin
PN26002	53MT6000 MicroTools Instruction Bulletin
PN26001	53PW6000 MicroPWC Installation & Setup
PN24829	53PW6000 MicroPWC Operations Guide
PN25294	53PW6000 MicroPWC Configuration Guide
PN26000	53SU6000 MicroDCI Communication Services
PN26003	53HC2600 LoopMaster Configuration Guide
PN26010	EP1000A Ethernet Converter