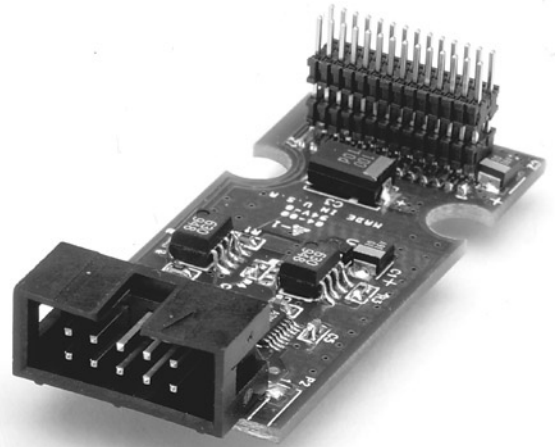


MICRO LYNX™ EXPANSION MODULE

ISOLATED COMMUNICATIONS*

FEATURES

- Low Cost
- Choice of RS-232 or RS-485 Communications
- Optically Isolated from I/O and Input Power Ground
- Adds a Second Fully Independent Communication Port When Using the CAN Based Control System
- Baud Rates from 4800 to 38.8K
- ASCII Text or Binary Communication Modes
- Plugs Directly into MicroLYNX Controller
- Removable Terminal Strip or Pin Header



DESCRIPTION

The Communication Module adds either RS-232 or RS-485 to the CAN based MicroLYNX motion control system. This second communication port is fully independent and optically isolated from I/O and input power ground.

This second port could be used to communicate to an operator interface or for system diagnostics while the system is in use.

PIN ASSIGNMENTS

PIN	CONNECTOR OPTION RS-232	
	TERMINAL BLOCK	PIN HEADER
1	COMM GROUND	NO CONNECT
2	RX	TX
3	TX	RX
4	NO CONNECT	NO CONNECT
5	NO CONNECT	COMM GROUND
6	NO CONNECT	NO CONNECT
7	NO CONNECT	NO CONNECT
8	NO CONNECT	NO CONNECT
9		NO CONNECT
10		NO CONNECT

PIN	CONNECTOR OPTION RS-485	
	TERMINAL BLOCK	PIN HEADER
1	NO CONNECT	NO CONNECT
2	NO CONNECT	NO CONNECT
3	NO CONNECT	NO CONNECT
4	RX -	NO CONNECT
5	RX +	COMM GROUND
6	TX -	RX +
7	COMM GROUND	RX -
8	TX +	TX -
9		TX +
10		COMM GROUND

*The RS-232 and RS-485 Expansion Modules are used **ONLY** with the CAN based control system.

ELECTRICAL SPECIFICATIONS

RS-232 Receiver

Input Voltage Range	±30 volts
Input Threshold Low	0.4 volts
Input Threshold High	2.4 volts
Input Resistance	3 to 7 kΩ

RS-232 Transmitter

Output Voltage Swing	±5 volts
Output Resistance	300 Ω
Output Short Circuit Duration	Continuous

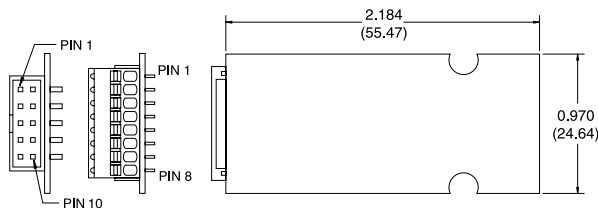
RS-485 Receiver

Input Voltage Range	-8 to +12.5 volts
Input Differential Threshold	±200 millivolts
Input Resistance	96 kΩ

Driver

Differential Output (R=50 Ω)	2 volts
Output Voltage Range	-8 to +12.5 volts

INTERFACE INFORMATION



NOTE:

Terminal Block Mating Connector **Supplied.**

Pin Header Mating Connector **Not Supplied.**

Order Information at www.imshome.com/quick.html

ENVIRONMENTAL

Storage Temperature	-20 to +70° C
Operating Temperature	0 to +50° C
Humidity	0 to 90% non-condensing

ORDER INFORMATION

PART NUMBER	TERMINAL BLOCK	PIN HEADER
RS-232 MODULE	MX-CM102-000	<i>MX-CM202-000</i>
RS-485 MODULE	<i>MX-CM104-000</i>	MX-CM204-000

Standard product shown in bold italics. Lead times may apply to other versions.