

Board	Conn #	# Pins	Part Number	Manufacturer	Function	Voltage	Current	Rated Curr	Pitch	Width	Depth	Height	Screw/Plunger	Wire/Plug
MPRB	ST1	1	5055556-9	TE Connectivity	24V Input	24V	22A	25A	N/A	0.400	0.500	0.300	Top	Side
MPRB	ST2	1	5055556-9	TE Connectivity	24V Return Input	Return	22A	25A	N/A	0.400	0.500	0.300	Top	Side
MPRB	ST3	1	5055556-9	TE Connectivity	24V_Strobe Input	24V_St	22A	25A	N/A	0.400	0.500	0.300	Top	Side
MPRB	ST4	1	5055556-9	TE Connectivity	24V_Strobe Return Input	Return	22A	25A	N/A	0.400	0.500	0.300	Top	Side
MPRB	J1	2	284391-2	TE Connectivity	Port Strobe Output	24V_St	12A	12A	0.138	0.276	0.323	0.496	Top	Side
MPRB	J2	2	284391-2	TE Connectivity	Starboard Strobe Output	24V_St	12A	12A	0.138	0.276	0.323	0.496	Top	Side
MPRB	J3	2	284391-2	TE Connectivity	Reson Output	24V	10A	12A	0.138	0.276	0.323	0.496	Top	Side
MPRB	J4	2	284391-2	TE Connectivity	Spare Output	24V	0	12A	0.138	0.276	0.323	0.496	Top	Side
MPRB	J5	2	TBL003-254-02GR-2OR	CUI	Lidar Coil Output	24V	200mA	6A	0.100	0.302	0.543	0.502	Side	Side
MPRB	J6	2	TBL003-254-02GR-2OR	CUI	CUI DC-DC Input	24V	1.2A	6A	0.100	0.302	0.543	0.502	Side	Side
MPRB	J7	2	TBL003-254-02GR-2OR	CUI	CUI DC-DC Output	12V	2.5A	6A	0.100	0.302	0.543	0.502	Side	Side
MPRB	J8	64	ESQ-132-59-G-D	Samtec	Backplane	N/A	N/A		0.100	3.220	0.195	0.635	N/A	*Top
LPRB	J1	2	70553-0001	Molex	Port Camera Output	24V	1A	3A	0.100	0.210	0.535	0.275	N/A	Side
LPRB	J2	2	70553-0001	Molex	Starboard Camera Output	24V	1A	3A	0.100	0.210	0.535	0.275	N/A	Side
LPRB	J3	2	70553-0001	Molex	Port Rotator Output	24V	2.5A	3A	0.100	0.210	0.535	0.275	N/A	Side
LPRB	J4	2	70553-0001	Molex	Starboard Rotator Output	24V	2.5A	3A	0.100	0.210	0.535	0.275	N/A	Side
LPRB	J5	2	70553-0001	Molex	CTD Output	24V	1A	3A	0.100	0.210	0.535	0.275	N/A	Side
LPRB	J6	2	70553-0001	Molex	Kearfott Output	24V	1A	3A	0.100	0.210	0.535	0.275	N/A	Side
LPRB	J7	2	70553-0001	Molex	Paro Sci Output	12V	2A	3A	0.100	0.210	0.535	0.275	N/A	Side
LPRB	J8	2	70553-0001	Molex	VN100 Output	12V	1A	3A	0.100	0.210	0.535	0.275	N/A	Side
LPRB	J9	64	ESQ-132-59-G-D	Samtec	Backplane	N/A	N/A		0.100	3.220	0.195	0.635	N/A	*Top
LPRB	J10	2	TBL003-254-02GR-2OR	CUI	Focal Output	12V	3A	6A	0.100	0.302	0.543	0.502	Side	Side
LPRB	J11	2	TBL003-254-02GR-2OR	CUI	Ethernet Switch Output	24V	3A	6A	0.100	0.302	0.543	0.502	Side	Side

Alternate Connectors for Medium Power Relay Board

Board	Conn #	# Pins	Part Number	Manufacturer	Function	Voltage	Current	Rated Curr	Pitch	Width	Depth	Height	Screw/Plunger	Wire/Plug
MPRB	J9	2	1135293	Phoenix	24V Input & Return	24V/Gnd	22A	32A	0.196	0.425	0.754	0.606	Side	Side
MPRB	J10	2	1135293	Phoenix	24V_St Input & Return	24V/Gnd	22A	32A	0.196	0.425	0.754	0.606	Side	Side
MPRB	J1	2	1824420000	Weidmuller	Port Strobe Output	24V_St	12A	14A	0.138	0.304	0.551	0.305	Side	Side
MPRB	J2	2	1824420000	Weidmuller	Starboard Strobe Output	24V_St	12A	14A	0.138	0.304	0.551	0.305	Side	Side
MPRB	J3	2	1824420000	Weidmuller	Reson Output	24V	10A	14A	0.138	0.304	0.551	0.305	Side	Side
MPRB	J4	2	1824420000	Weidmuller	Spare Output	24V	0	14A	0.138	0.304	0.551	0.305	Side	Side
MPRB	J5	2	TBL003-254-02GR-2OR	CUI	Lidar Coil Output	24V	200mA	6A	0.100	0.302	0.543	0.502	Side	Side
MPRB	J6	2	TBL003-254-02GR-2OR	CUI	CUI DC-DC Input	24V	1.2A	6A	0.100	0.302	0.543	0.502	Side	Side
MPRB	J7	2	TBL003-254-02GR-2OR	CUI	CUI DC-DC Output	12V	2.5A	6A	0.100	0.302	0.543	0.502	Side	Side
MPRB	J8	64	ESQ-132-59-G-D	Samtec	Backplane	N/A	N/A		0.100	3.220	0.195	0.635	N/A	*Top