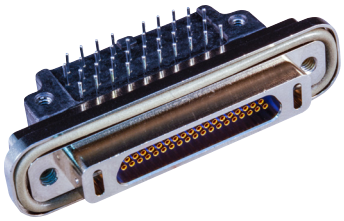
Micro-D GMLM MasterLatch®
Rear Panel Mount, Condensed Board Right Angle
Printed Circuit Board Receptacle



Master Latch Rear Panel Mount Receptacle – These Micro-D's provide excellent shock and vibration performance thanks to our innovative MasterLatch® design. Once mated the latching mechanism prevents unwanted separation of mated GMLM connectors.

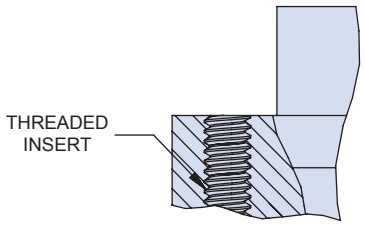
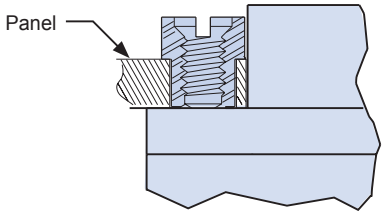
High Performance – GMLM connectors meet the performance requirements of MIL-DTL-83513. Gold plated TwistPin contacts assure best electrical and mechanical performance.

How To Order GMLMR Connectors

Sample Part Number	GMLMR	2	L	-37	S	CBR	B	T	N	-.150

Series	**GMLMR** Micro-D MasterLatch®
Shell Material and Finish	**1** = Cadmium **2** = Nickel **4** = Black Anodize **5** = Gold **6** = Chem Film
Insulator Material	**L** = LCP or PPS
Contact Layout	**9** thru **37** See Table II
Contact Type	**S** = Socket
Termination Type	**CBR** = Condensed Board Right Angle
RPM Hardware Option	**B** = No Hardware **R1** = .032 panel **R2** = .047 panel **R3** = .062 panel **R4** = .093 panel **R5** = .125 panel **R6** = .080 panel
Threaded Insert Option	**T** = Threaded Insert in Board Mount Hardware Option
O-Ring Type	**C** = Conductive **N** = Nonconductive (Nitrile)
Lead Length	**.080**, **.110**, **.125**, **.140**, **.150**, **.172**, **.190**, **.250**

Table I: Jackpost Options

No Designator	R1 Thru R6
	
Threaded Hole For use with Glenair jackposts only. Order hardware separately. Install with threadlocking compound.	**Jackpost for Rear Panel Mounting** Shipped loosely installed. Install with permanent threadlocking compound.

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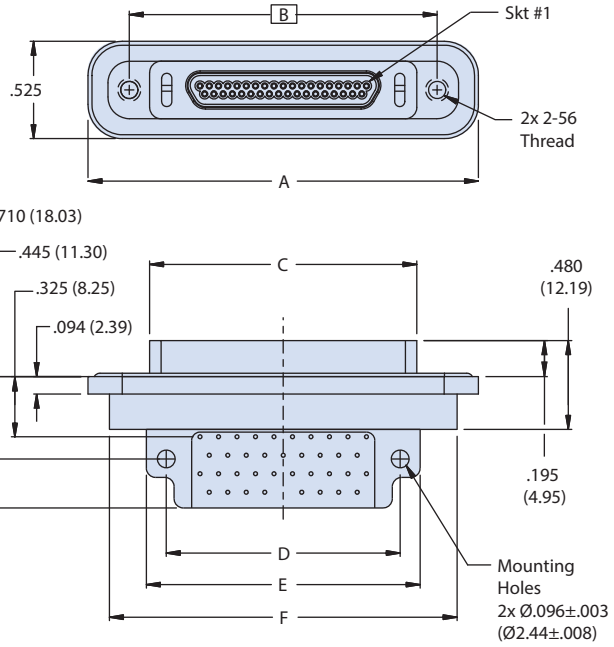


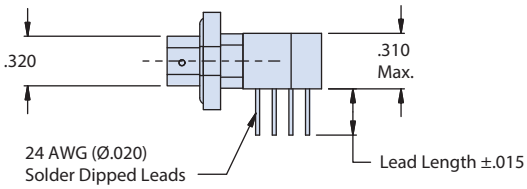
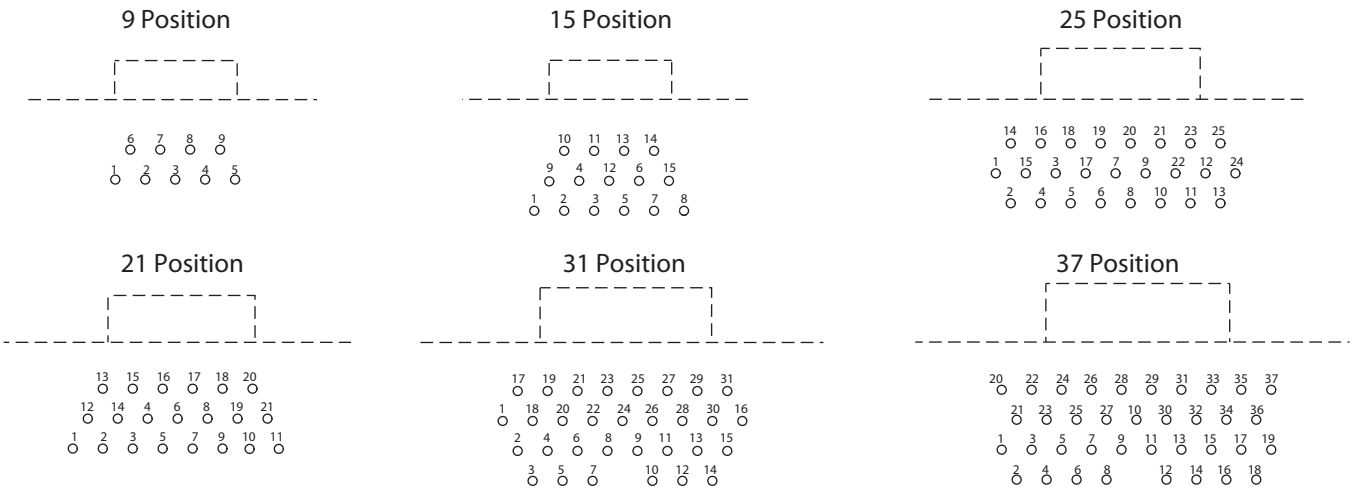


Table II: Dimensions						
Shell Size	A	B Ref.	C Max	D	E.	F
9	1.410 (35.81)	.965 (24.51)	.785 (19.94)	.565 (14.35)	.785 (19.94)	1.180 (29.97)
15	1.560 (39.62)	1.115 (28.32)	.935 (23.75)	.715 (18.16)	.935 (23.75)	1.330 (33.78)
21	1.710 (43.43)	1.265 (32.13)	1.085 (27.56)	.865 (21.97)	1.085 (27.56)	1.480 (37.59)
25	1.810 (45.97)	1.365 (34.67)	1.185 (30.10)	.965 (24.51)	1.185 (30.10)	1.580 (40.13)
31	1.960 (49.78)	1.515 (38.48)	1.335 (33.91)	1.115 (28.32)	1.335 (33.91)	1.730 (43.94)
37	2.110 (53.59)	1.665 (42.29)	1.489 (37.82)	1.265 (32.13)	1.485 (37.72)	1.880 (47.75)

Performance Specifications	
Current Rating	3 AMP
DWV	600 VAC Sea level
Insulation Resistance	5000 Megohms Minimum
Contact Resistance	8 Milliohms Maximum
Low Level Contact Resist.	32 Milliohms Maximum
Magnetic Permeability	2 µ Maximum
Operating Temperature	-55° C. to +150° C.
Shock, Vibration	50 g., 20g.
Mating Force	(10 Ounces) X (# of Contacts)

Materials and Finishes	
Connector Shell	Aluminum alloy, see ordering info for plating options
Insulator, Tray	Liquid Crystal Polymer (LCP) Polyphenylene Sulfide (PPS)
Interfacial Seal	Fluorosilicone Rubber, Blue
Socket Contact	Phos Bronze/Gold Plate
Hardware	Stainless Steel/Passivate
Encapsulant	Epoxy Resin Hysol EE4215

GMLM PCB Footprints



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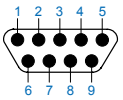
Micro-D Contact Arrangements

A

Face View Pin Connector – Micro-D Contact Arrangements



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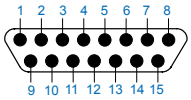

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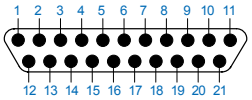

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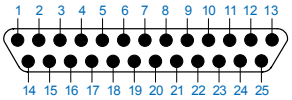

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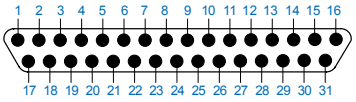

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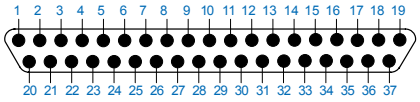

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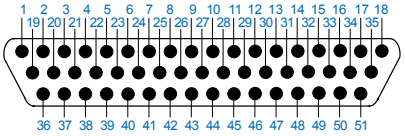

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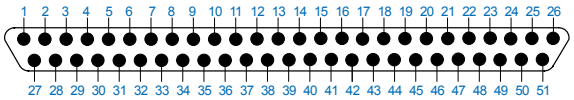

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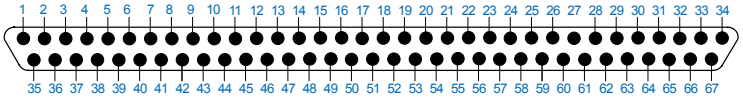

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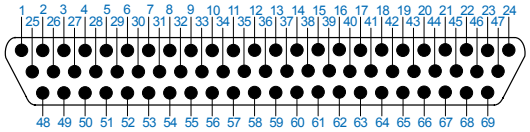

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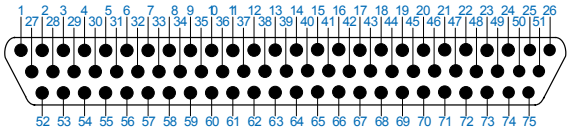

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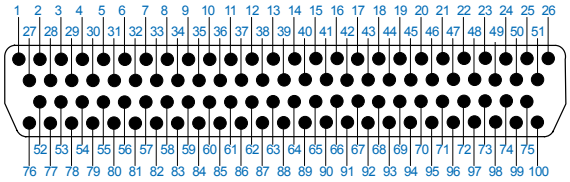

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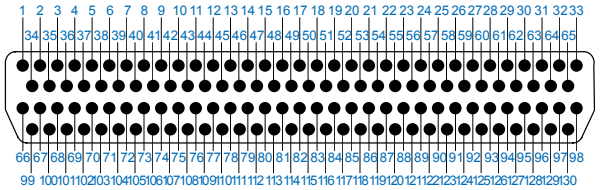

130 pin

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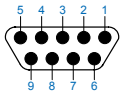
Micro-D Contact Arrangements

Face View Socket Connector – Micro-D Contact Arrangements



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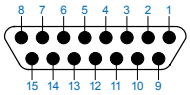

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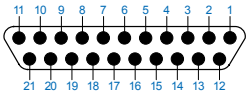

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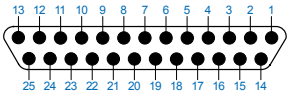

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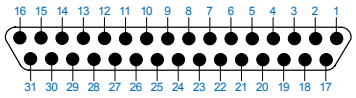

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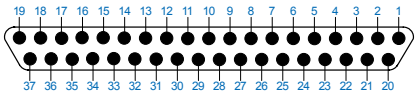

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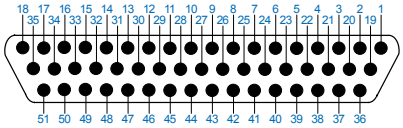

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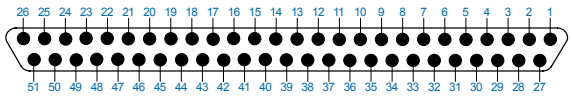

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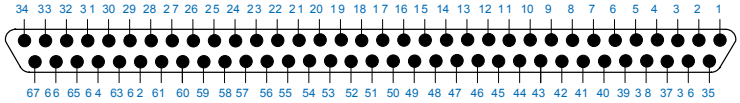

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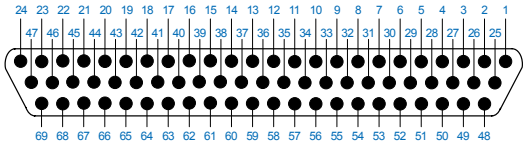

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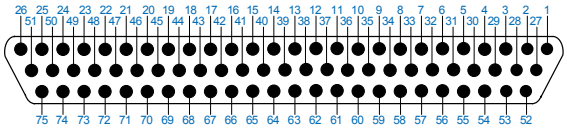

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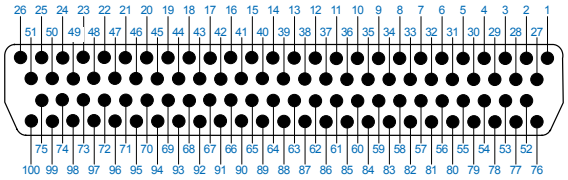

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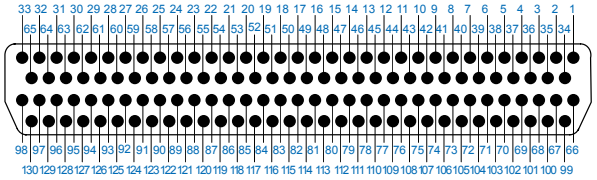

130 socket

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