

# MLDM Low Profile Metal Shell Micro-D Right Angle PCB Termination



Micro-D Double  
and Triple Row



**MLDM2L-25SCBRPT-110**

Low profile MLDM connectors have reduced flange height compared to standard MWDM Micro-D connectors. These thru-hole "CBR" style Micro-D connectors have gold-plated PC tails on .100" centers. Connectors are backfilled with epoxy. Pin contacts are gold-plated high performance TwistPin type and are recessed into insulator to prevent damage. Socket contacts are gold plated, machined copper alloy. Gold-plated PC tails. Machined aluminum shell, stainless steel hardware. Optional #2-56 threaded inserts in board mounting holes. Glass-filled LCP thermoplastic insulators and tray withstand immersion in +260°C solder for 10 seconds. Meets performance requirements of MIL-DTL-83513. Available with 9 to 51 contacts. 3 A., 600 Vac, -55°C to +150°C.

## How To Order Right Angle PCB Connector

Sample Part Number	MLDM2L	-21	S	CBR	P	T	-110	-513
<b>Series</b>	<b>MLDM1L</b> Low Profile Metal Shell Micro-D With Yellow Chromate Over Cadmium Finish  <b>MLDM32L</b> Low Profile Metal Shell Micro-D With Black Zinc Nickel Shell Finish  <b>MLDM2L</b> Low Profile Metal Shell Micro-D With Electroless Nickel Shell Finish  <b>MLDM33L</b> Low Profile Metal Shell Micro-D With Nickel-Fluorocarbon Shell Finish							
<b>Contact Layout</b>	9, 15, 21, 25, 31, 37, 51 (See Table II)							
<b>Contact Type</b>	P - Pin Contacts      S - Socket Contacts							
<b>Termination Type</b>	CBR - Condensed Board Right Angle							
<b>Hardware Option</b>	(Omit for None)      Jackposts for Rear Panel Mounting P - Jackpost      R1 - .032" Panel    R2 - .047" Panel    R3 - .062" Panel (See Table I)      R4 - .093" Panel    R5 - .125" Panel    R6 - .125" Panel							
<b>Threaded Insert Option</b>	Omit - For Thru-Holes T - Threaded Inserts in Board Mounting Holes. #2-56 Female Thread. M - Threaded Inserts in Board Mounting Holes. M2 Metric Thread.							
<b>PC Tail Length</b>	-110, -125, -150, -190, -250							
<b>Gold-Plated Terminal Mod Code</b>	Omit - These connectors are solder-dipped in 60/40 tin lead solder. To delete the solder dip and change to gold-plated terminal add code 513							

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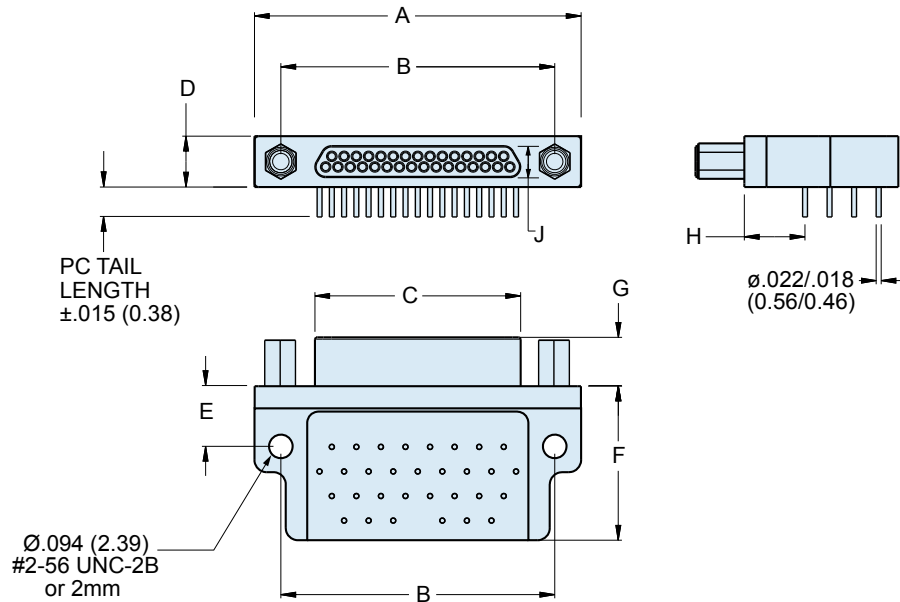
**Table I: Jackpost Options**

No Designator	P	R1 Thru R6
<p>THREADED INSERT</p>		<p>Panel</p>
Thru-Hole For use with Glenair jackposts only. Order hardware separately. Install with threadlocking compound.	Standard Jackpost Factory installed, not intended for removal.	Jackpost for Rear Panel Mounting Shipped loosely installed. Install with permanent threadlocking compound.



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Table II: Dimensions



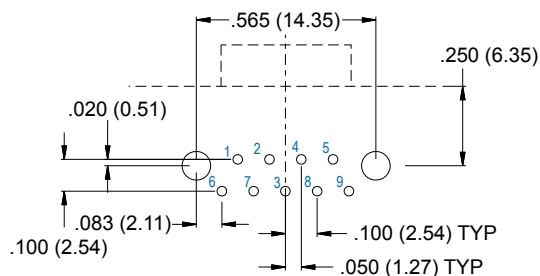
Layout	A Max.		B		C Max.		D Max.		E		F Max.		G Max.		H		J Max.	
	In.	mm.	In. ±.003	mm. ±0.08	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In. ±.010	mm. ±0.25	In.	mm.
9P	.788	20.02	.565	14.35	.292	7.42	.218	5.54	.250	6.35	.425	10.80	.202	5.13	.230	5.84	.134	3.40
9S	.788	20.02	.565	14.35	.380	9.65	.218	5.54	.250	6.35	.425	10.80	.185	4.70	.230	5.84	.218	5.54
15P	.938	23.83	.715	18.16	.442	11.23	.218	5.54	.250	6.35	.425	10.80	.202	5.13	.130	3.30	.134	3.40
15S	.938	23.83	.715	18.16	.530	13.46	.218	5.54	.250	6.35	.425	10.80	.185	4.70	.130	3.30	.218	5.64
21P	1.088	27.64	.865	21.97	.592	15.04	.218	5.54	.250	6.35	.425	10.80	.202	5.13	.130	3.30	.134	3.40
21S	1.080	27.64	.865	21.97	.680	17.27	.218	5.54	.250	6.35	.425	10.80	.185	4.70	.130	3.30	.218	5.64
25P	1.188	30.18	.965	24.51	.692	17.58	.218	5.54	.250	6.35	.425	10.80	.202	5.13	.130	3.30	.134	3.40
25S	1.185	30.18	.965	24.51	.780	19.81	.218	5.54	.250	6.35	.425	10.80	.185	4.70	.130	3.30	.218	5.64
31P	1.338	33.99	1.115	28.32	.842	21.39	.218	5.54	.250	6.35	.525	13.34	.202	5.13	.130	3.30	.134	3.40
31S	1.338	33.99	1.115	28.32	.930	23.62	.218	5.54	.250	6.35	.525	13.34	.185	4.70	.130	3.30	.218	5.64
37P	1.488	37.80	1.265	32.13	.992	25.20	.218	5.54	.250	6.35	.525	13.34	.202	5.13	.130	3.30	.134	3.40
37S	1.488	37.80	1.265	32.13	1.080	27.43	.218	5.54	.250	6.35	.525	13.34	.185	4.70	.130	3.30	.218	5.64
51P	1.438	36.53	1.215	30.86	.942	23.93	.260	6.60	.300	7.62	.660	16.76	.202	5.13	.150	3.81	.177	4.50
51S	1.438	36.53	1.215	30.86	1.030	26.16	.260	6.60	.300	7.62	.660	16.76	.185	4.70	.150	3.81	.260	6.60

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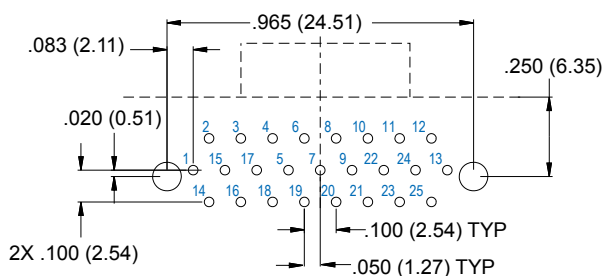


Micro-D Double  
and Triple Row

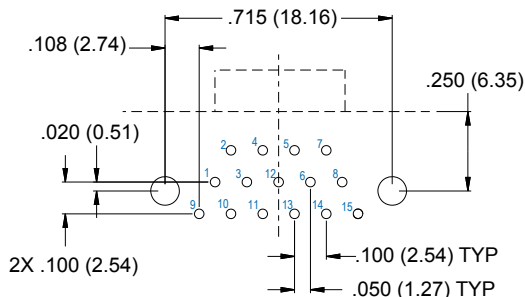
## MLDM CBR PCB Layouts — Pin Connectors



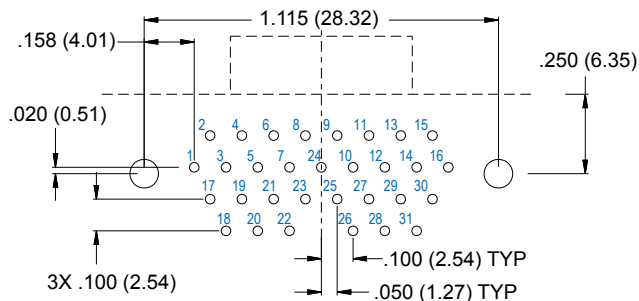
**9 PIN**



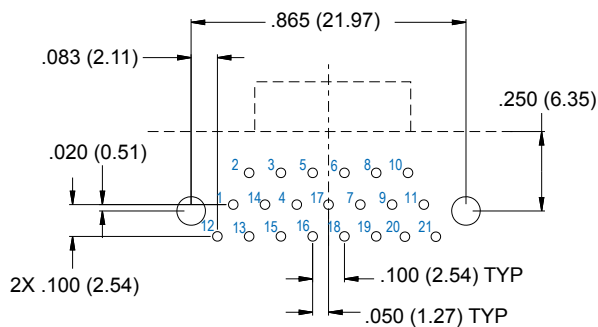
**25 PIN**



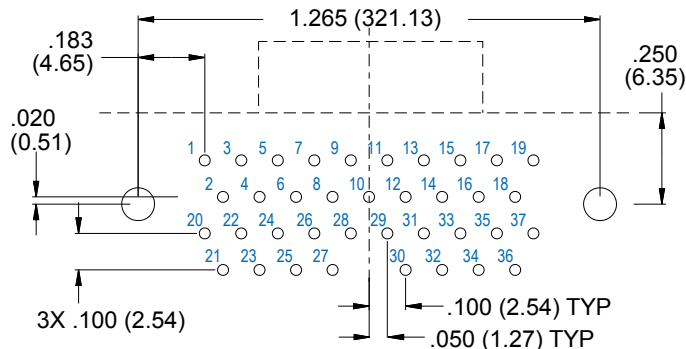
**15 PIN**



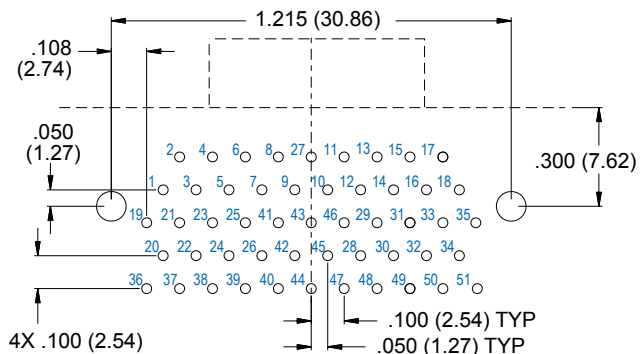
**31 PIN**



**21 PIN**



**37 PIN**



**51 PIN**

### Notes

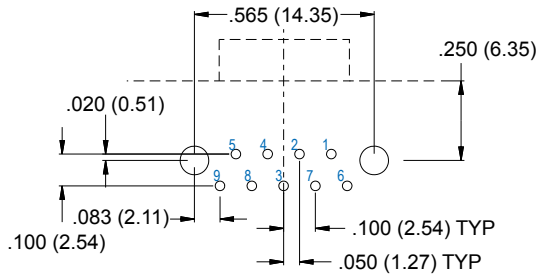
1. Patterns shown are for connector mounting side of PCB board.
2. Board mounting holes are .094" (2.39) diameter.
3. PC tails are .022" (0.56) maximum diameter.

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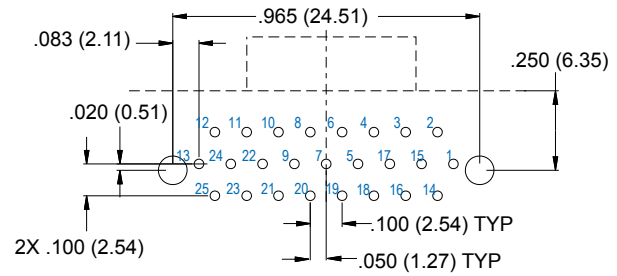


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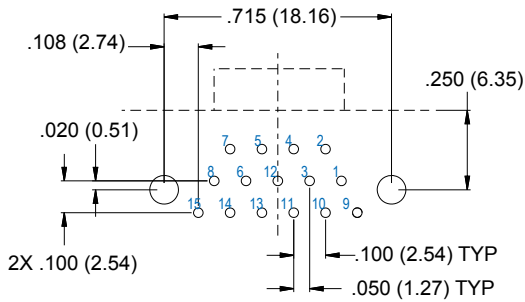
## MLDM CBR PCB Layouts — Socket Connectors



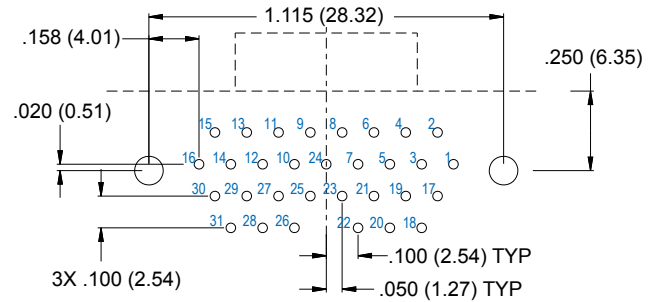
**9 Socket**



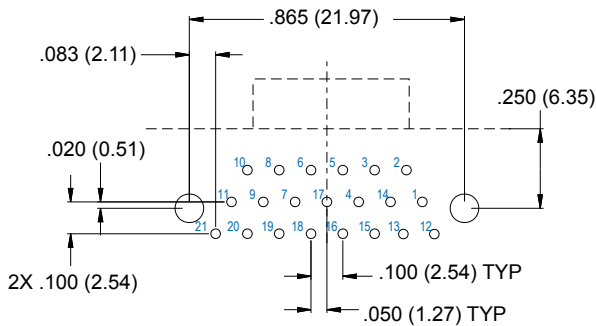
**25 Socket**



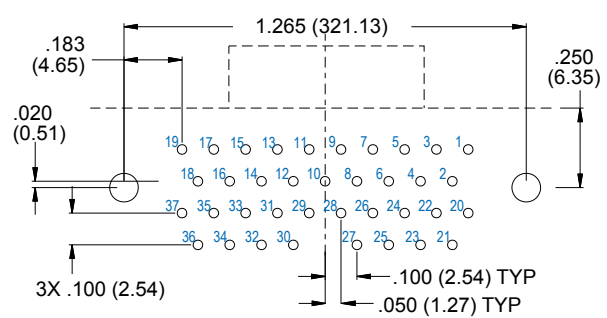
**15 Socket**



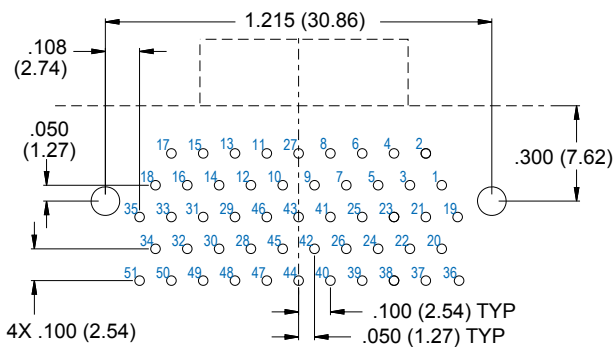
**31 Socket**



**21 Socket**



**37 Socket**



**51 Socket**

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