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

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 Numberv	MLDM2L	-21	S	CBR	P	T	-.110	-513

Series	**MLDM1L** Low Profile Metal Shell Micro-D With Yellow Chromate Over Cadmium Finish **MLDM2L** Low Profile Metal Shell Micro-D With Electroless Nickel Shell Finish **MLDM32L** Low Profile Metal Shell Micro-D With Black Zinc Nickel Shell Finish **MLDM33L** Low Profile Metal Shell Micro-D With Nickel-Fluorocarbon Shell Finish
Contact Layout	**9**, **15**, **21**, **25**, **31**, **37**, **51** (See Table II)
Contact Type	**P** - Pin Contacts **S** - Socket Contacts
Termination Type	**CBR** - Condensed Board Right Angle
Hardware Option	(**Omit** for None) **P** – Jackpost (See Table I) Jackposts for Rear Panel Mounting **R1** – .032" Panel **R2** – .047" Panel **R3** – .062" Panel **R4** – .093" Panel **R5** – .125" Panel **R6** – .125" Panel
Threaded Insert Option	**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.
PC Tail Length	**-.110**, **-.125**, **-.150**, **-.190**, **-.250**
Gold-Plated Terminal Mod Code	**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**

Table I: Jackpost Options

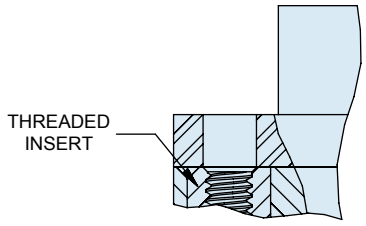
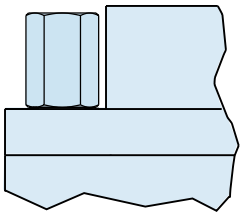
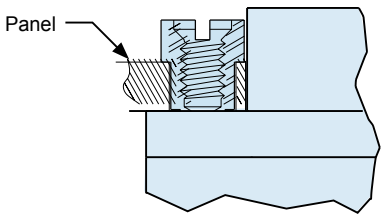
No Designator	P	R1 Thru R6
		
Thru-Hole For use with Glenair jackposts only. Order hardware separately. Install with threadlocking compound.	Standard Jackpost Factory installed, not intended for removal.	Jackpost for Rear Panel Mounting Shipped loosely installed. Install with permanent threadlocking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

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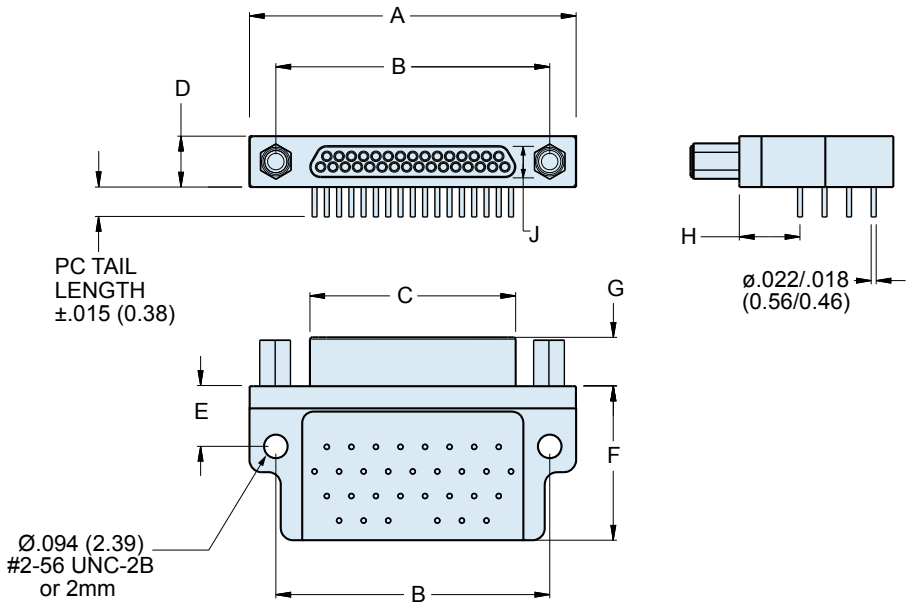
Table II: Dimensions



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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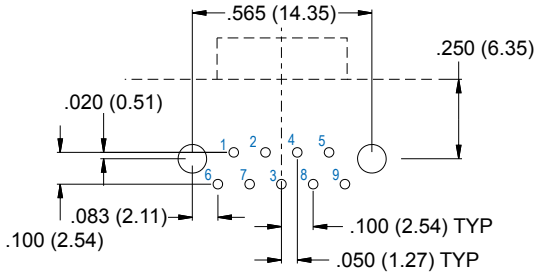
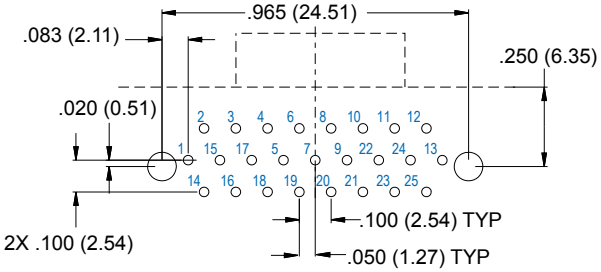
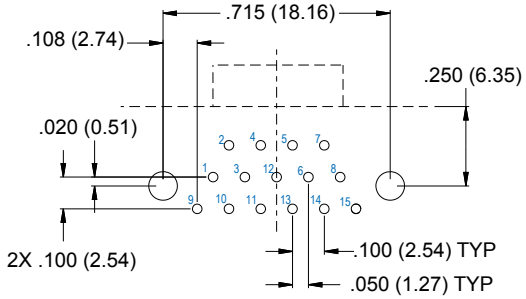
MLDM CBR PCB Layouts — Pin Connectors



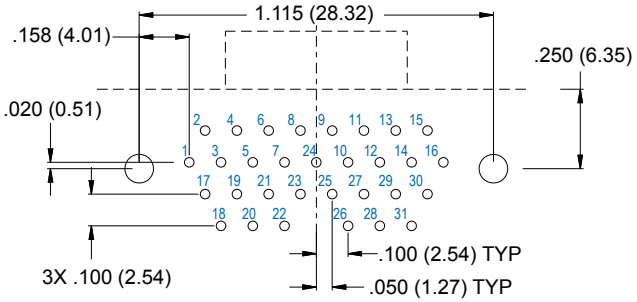
9 PIN



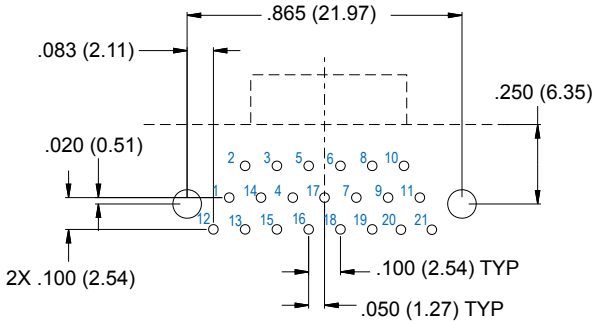
25 PIN



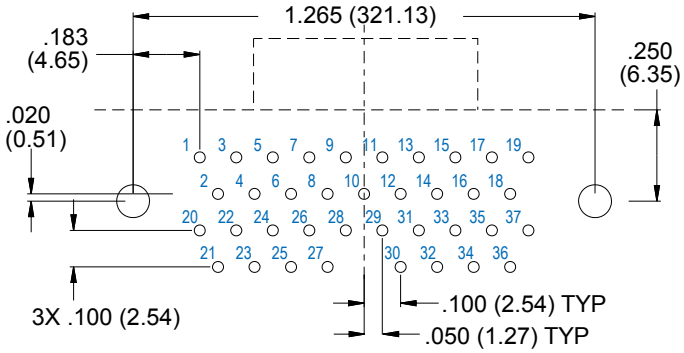
15 PIN



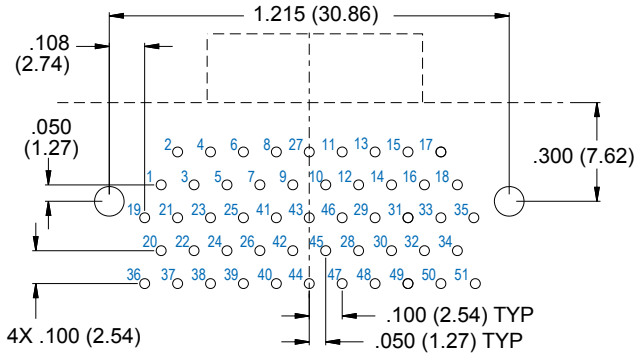
31 PIN



21 PIN



37 PIN

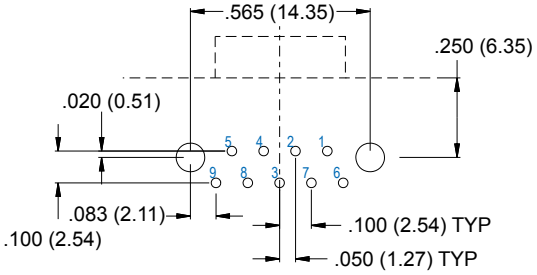


51 PIN

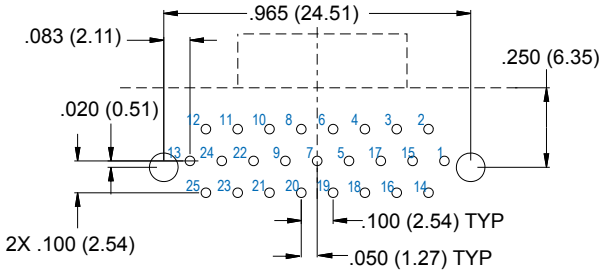
Notes

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

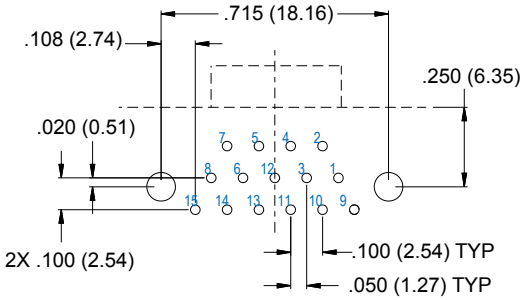
MLDM CBR PCB Layouts — Socket Connectors



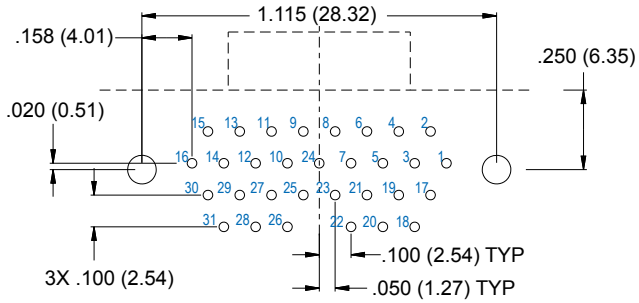
9 Socket



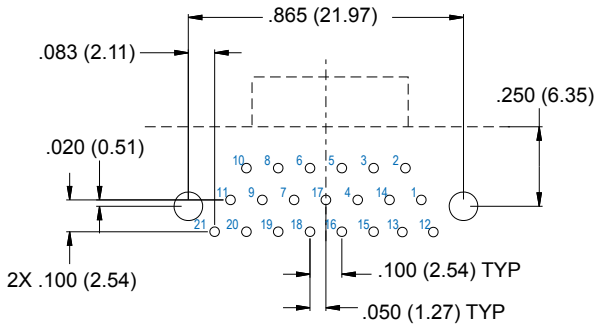
25 Socket



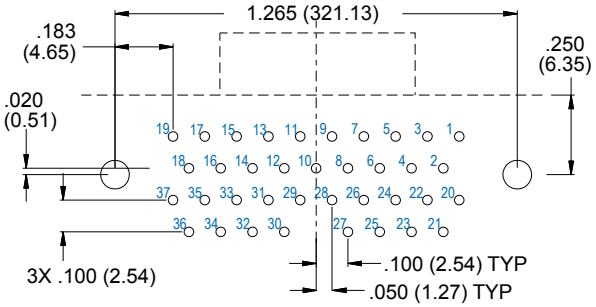
15 Socket



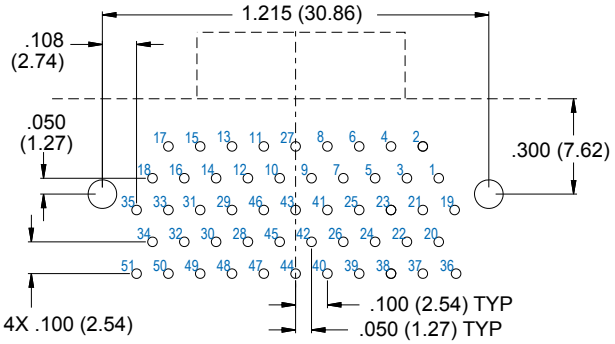
31 Socket



21 Socket



37 Socket



51 Socket

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