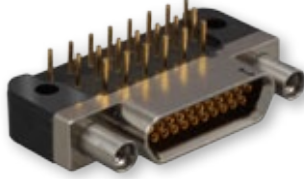


Low Profile Metal and Plastic Shell Micro-D MLDM Metal Shell Right Angle Printed Circuit Board



Micro-D
Double and
Triple Row

Low Profile MLDM Metal Shell Micro-D Right Angle Printed Circuit Board



MLDM2L-21SCBRP-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 +260C 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.

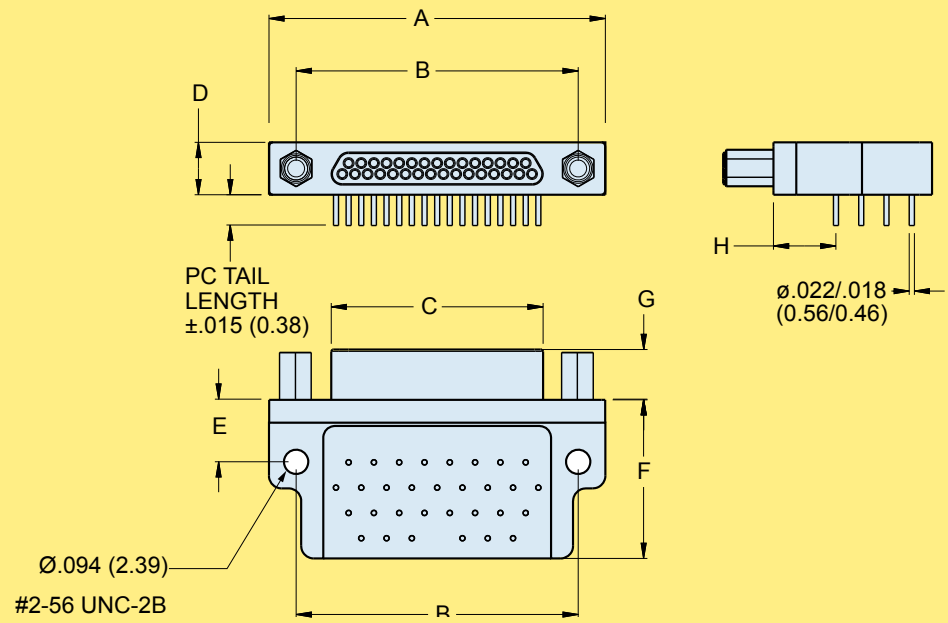
HOW TO ORDER						
Sample Part Number						
MLDM2L	-21	S	CBR	P		-.110
Series	No. of Contacts	Contact Type	Termination Type	Hardware Option	Threaded Insert Option	PC Tail Length
MLDM1L Low Profile Metal Shell Micro-D with Yellow Chromate over Cadmium Finish	-9 -15 -21 -25 -31	P Pin Contacts	CBR Condensed Board Right Angle	Omit For None	Omit For Thru-Holes	-.110 -.125 -.150 -.190 -.250
MLDM2L Low Profile Metal Shell Micro-D with Electroless Nickel Shell Finish	-37 -51	S Socket Contacts		P Standard Jackpost (non-removable)	T Threaded Inserts in Board Mounting Holes. #2-56 Female Thread.	
MLDM32L Low Profile Metal Shell Micro-D with Black Zinc Nickel Shell Finish				R1 Jackpost for Rear-Panel Mounting, .032" (0.81) Panel Thickness		
MLDM33L Low Profile Metal Shell Micro-D with Nickel- Fluorocarbon Shell Finish				R2 Jackpost for Rear-Panel Mounting, .047" (1.19) Panel Thickness		
				R3 Jackpost for Rear-Panel Mounting, .062" (1.57) Panel Thickness		
				R4 Jackpost for Rear-Panel Mounting, .093" (2.36) Panel Thickness		
				R5 Jackpost for Rear-Panel Mounting, .125" (3.18) Panel Thickness		

E



Low Profile Metal and Plastic Shell Micro-D MLDM Metal Shell Right Angle Printed Circuit Board

MLDM CBR DIMENSIONS



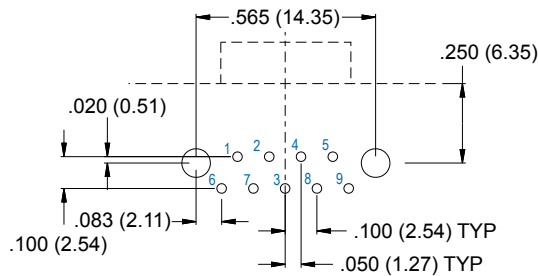
Layout	A Max.		B		C Max.		D Max.		E		F Max.		G Max.		H	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
9P	.788	20.02	.565	14.35	.292	7.42	.218	5.54	.250	6.35	.425	10.80	.202	5.13	.230	5.84
9S	.788	20.02	.565	14.35	.380	9.65	.218	5.54	.250	6.35	.425	10.80	.185	4.70	.230	5.84
15P	.938	23.83	.715	18.16	.442	11.23	.218	5.54	.250	6.35	.425	10.80	.202	5.13	.130	3.30
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
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
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
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
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
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
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
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
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
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
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

Low Profile Metal and Plastic Shell Micro-D MLDM Metal Shell Right Angle Printed Circuit Board

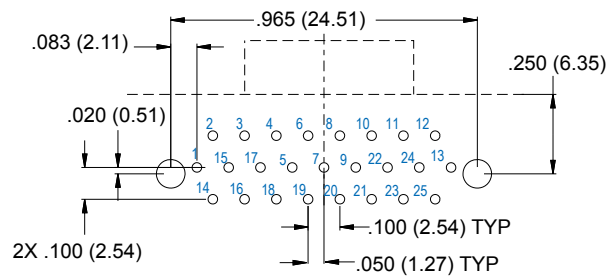


Micro-D
Double and
Triple Row

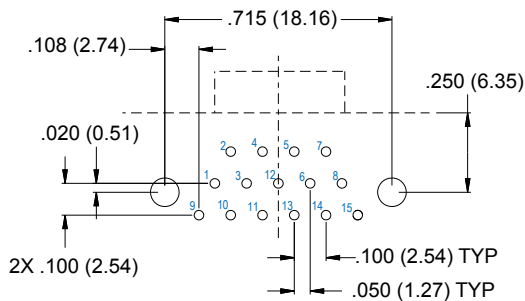
MLDM CBR PCB LAYOUTS — PIN CONNECTORS



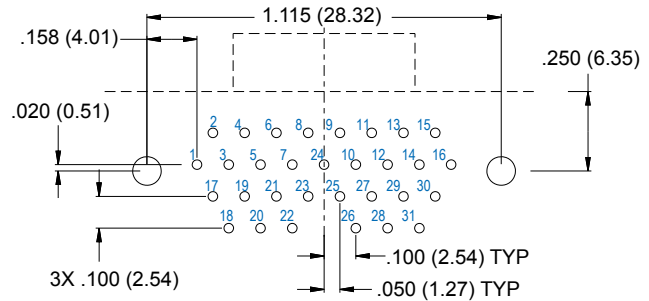
9 PIN



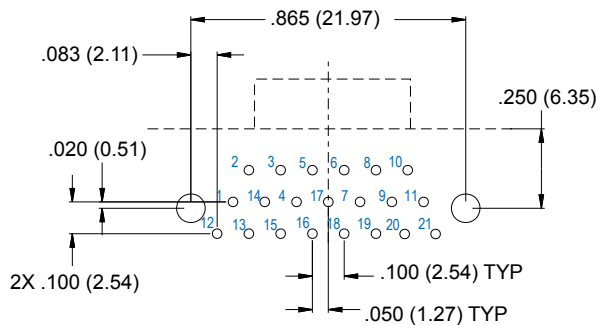
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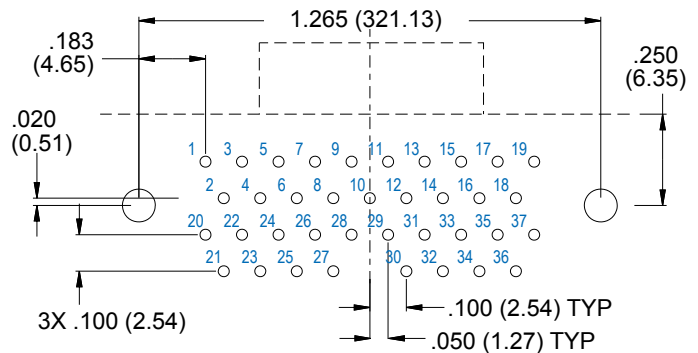
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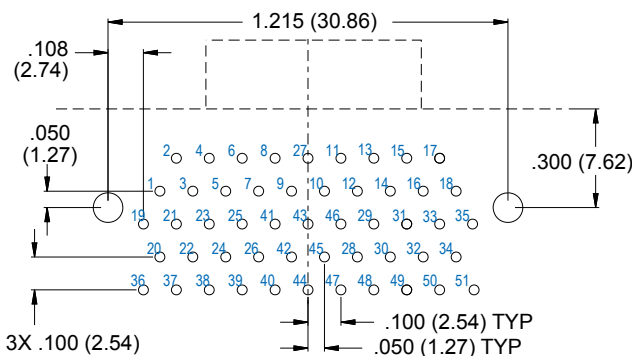
31 PIN



21 PIN



37 PIN



51 PIN

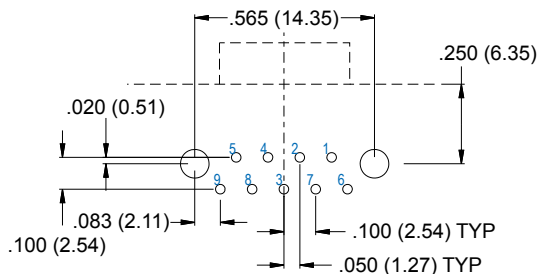
Notes

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.

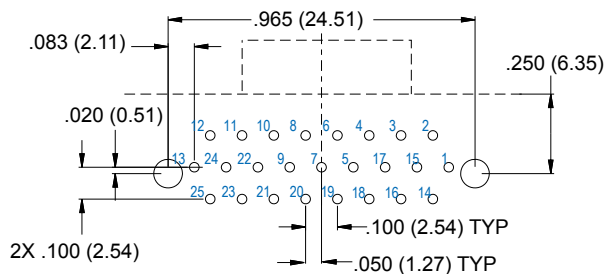


Low Profile Metal and Plastic Shell Micro-D MLDM Metal Shell Right Angle Printed Circuit Board

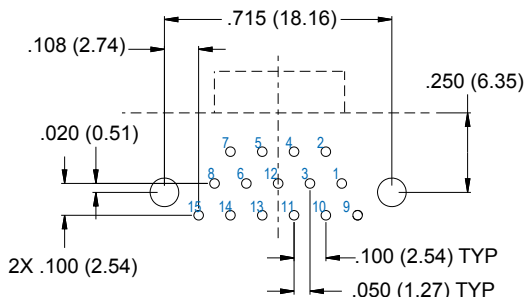
MLDM CBR PCB LAYOUTS — SOCKET CONNECTORS



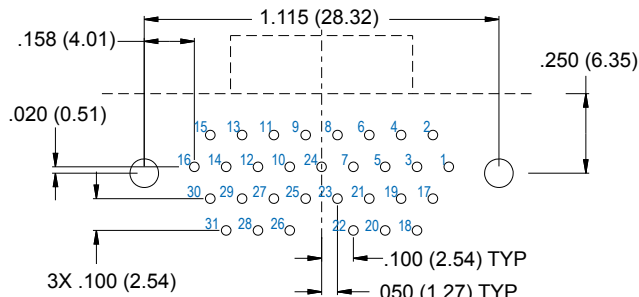
9S



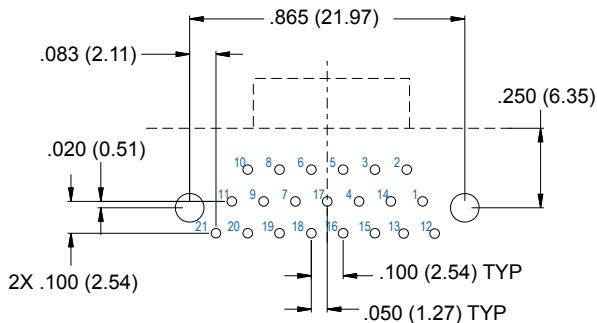
25S



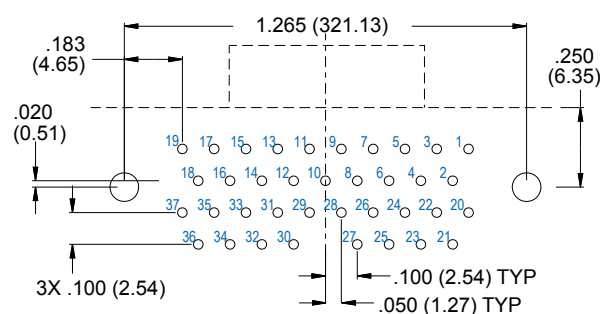
15S



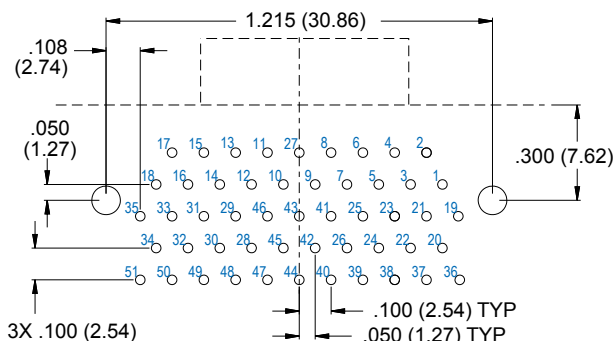
31S



21S



37S



51S

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.