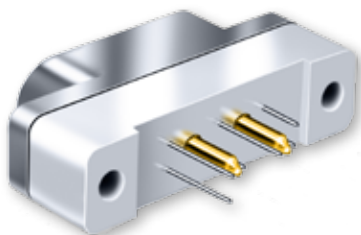




GMPM Combo Micro-D for High Power Applications Vertical Mount Printed Circuit Board



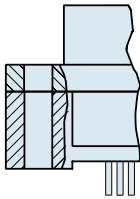
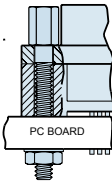
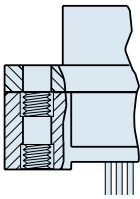
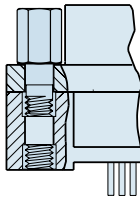
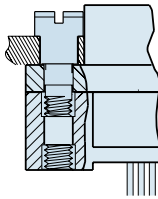
13 Amp Current Rating – Combo Micro-D's combine the size and weight advantages of a Micro-D connector with the added ability to handle higher power needs.

Printed Circuit Board Terminals – Ideal for flexible circuits or rigid boards, these gold plated PC tail contacts are sealed with epoxy encapsulant and are non-removable.

How To Order Vertical Mount PCB Combo Micro-D Connectors

Sample Part Number		GMPM	2	-B112	R	-CBS	-PN	-.109
Series	GMPM							
Shell Finish	Aluminum Shell 1 - Cadmium 2 - Nickel 4 - Black Anodize 5 - Gold 6 - Chem Film		Stainless Steel Shell 3 - Passivated					
Shell Size and Insert Arrangement	B112, D112, D113, E113, G103							
Shell Style	P - Plug 		R - Receptacle 					
Termination Style	CBS - Compact Vertical Mount							
Hardware	NN - No Jackpost, No Threaded Insert PN - Extended Jackpost for .062" (1.6) PCB, No Threaded Insert RN - Extended Jackpost for .196" (5.0) PCB, No Threaded Insert NU - 2-56 UNC Threaded Insert, No Jackposts NM - Metric M2 Threaded Insert, No Jackposts SU - Short Jackpost, 2-56 UNC Threaded Insert SM - Short Jackpost, M2 Metric Threaded Insert		Rear Panel Jackposts Supplied either with U style 2-56 UNC or M style M2 Threaded Inserts TU or TM - 0.094" (2.4) Panel VU or VM - 0.062" (1.6) Panel WU or WM - 0.047" (1.2) Panel XU or XM - 0.031" (0.8) Panel YU or YM - 0.023" (0.6) Panel					
PC Tail Length	.109, .150, .172, .190, .250 Length in Inches ± .015 (0.38)							

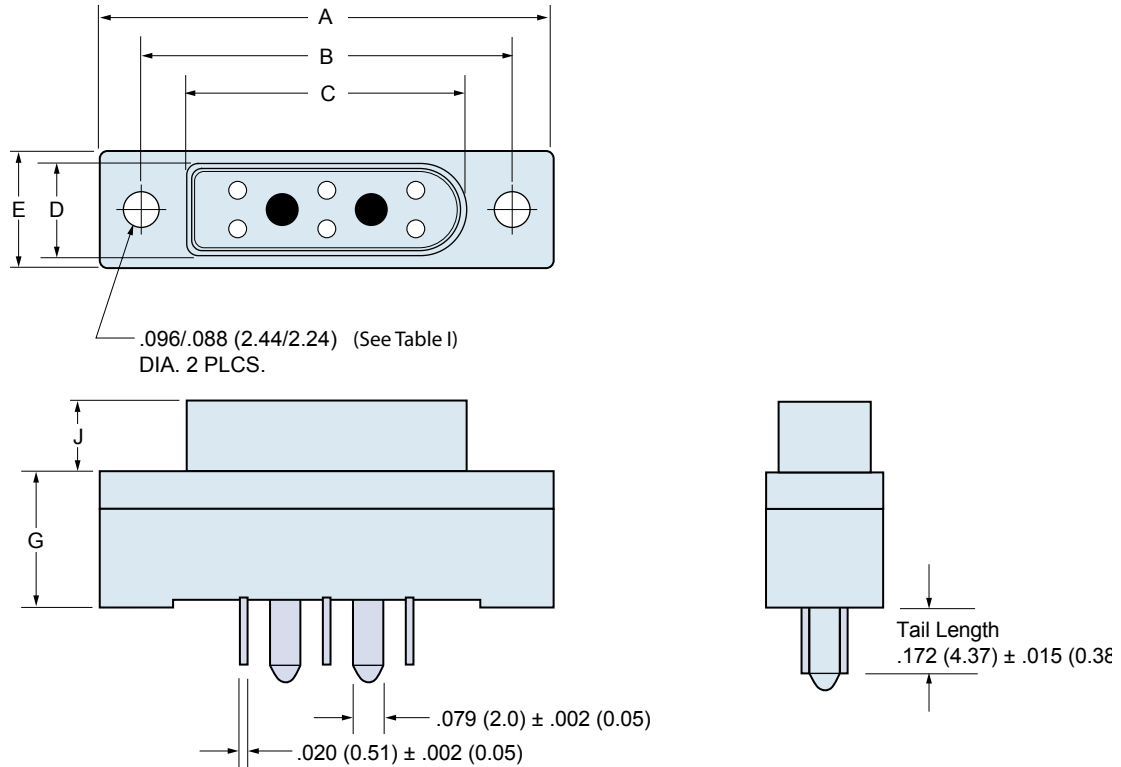
Table I: Jackpost Options

NN	PN and RN	NU, NM	SU, SM	TU, VU, WU, XU, YU TM, VM, WM, XM, YM
				
Thru-Hole	Jackpost Kit PN – .062 (1.6) PCB RN – .196 (5.0) PCB	Threaded Inserts	Jackpost With Threaded Insert	Jackpost for Rear Panel Mounting

GMPM Combo Micro-D for High Power Applications Vertical Mount Printed Circuit Board



Table II: Dimensions For Shell Size B, D, E and G



F

Layout	A Max.		B		C Max.		D Max.		E Max.		G Max.		J Max.	
	In.	mm.	In. ± .003	mm. ± 0.08	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
B112P	.935	23.75	.715	18.16	.481	12.21	.242	6.15	.315	8.00	.355	9.02	.184	4.68
B112R	.935	23.75	.715	18.16	.547	13.92	.315	8.00	.315	8.00	.355	9.02	.197	5.01
D112P	1.185	30.01	.965	24.51	.731	18.56	.242	6.15	.315	8.00	.355	9.02	.184	4.68
D112R	1.185	30.01	.965	24.51	.798	20.27	.315	8.00	.315	8.00	.355	9.02	.197	5.01
D113P	1.185	30.01	.965	24.51	.731	18.56	.242	6.15	.315	8.00	.355	9.02	.184	4.68
D113R	1.185	30.01	.965	24.51	.798	20.27	.315	8.00	.315	8.00	.355	9.02	.197	5.01
E113P	1.335	33.91	1.115	28.32	.881	22.37	.242	6.15	.315	8.00	.355	9.02	.184	4.68
E113R	1.335	33.91	1.115	28.32	.949	24.11	.315	8.00	.315	8.00	.355	9.02	.197	5.01
G103P	1.435	36.45	1.215	30.86	.983	24.97	.228	5.79	.351	8.92	.355	9.02	.184	4.68
G103R	1.435	36.45	1.215	30.86	1.051	26.70	.296	7.52	.351	8.92	.355	9.02	.195	4.95

Power and Combo Micro-D PCB Layouts

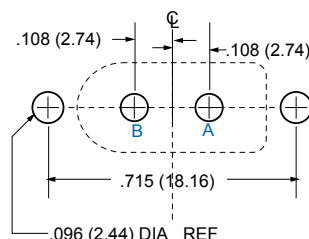
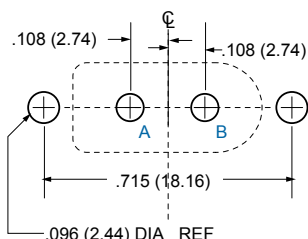
Patterns shown are for connector mounting side of PC board.

Plated thru-holes to accept .081 (2.06) maximum diameter power pins marked A - C, and .022(.56) maximum diameter signal pins marked 1 - 8.

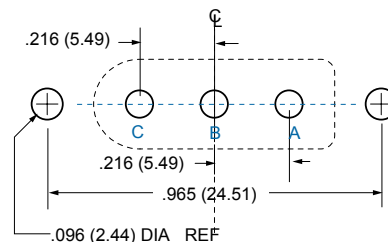
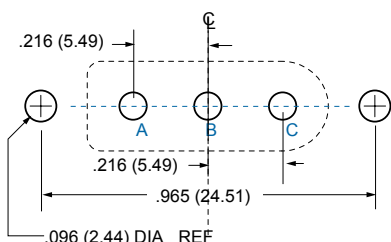
Plug Connectors

Receptacle Connectors

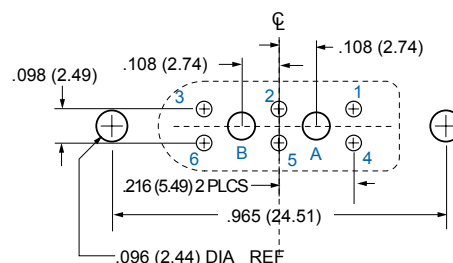
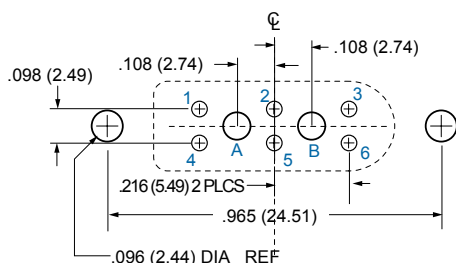
B112



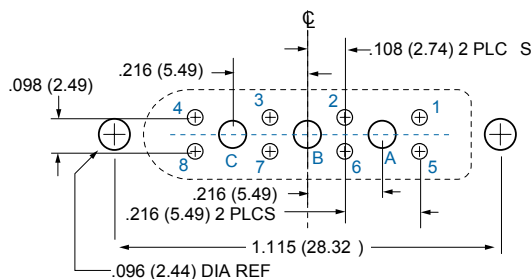
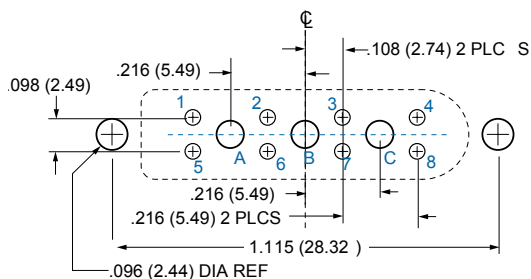
D112



D113



E113



G103

