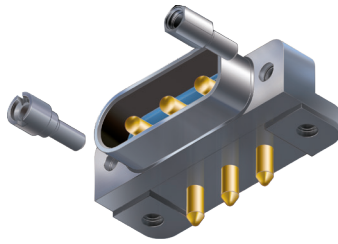


GMPM Combo Micro-D for High Power Applications 90° Mount Printed Circuit Board



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.

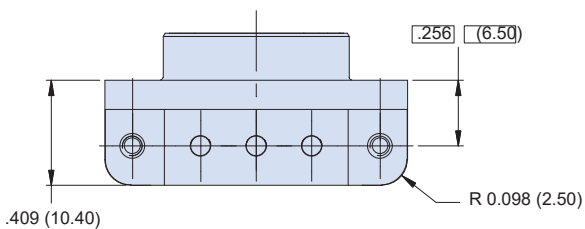
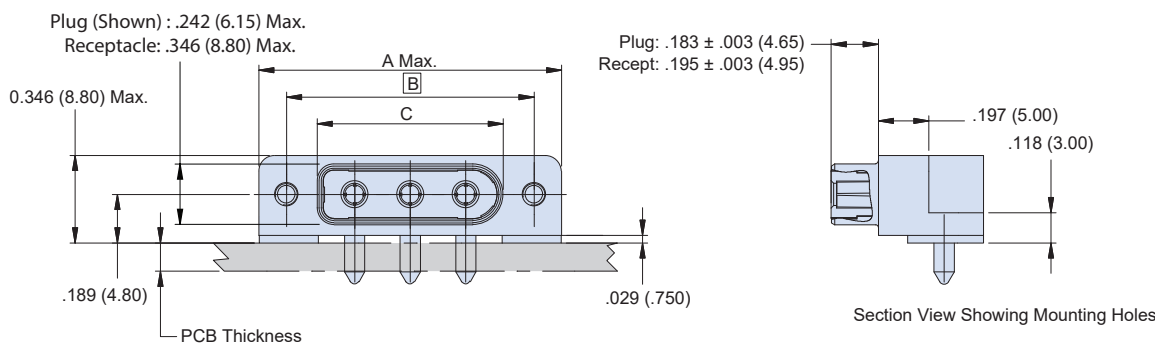
How To Order 90° Mount PCB Combo Micro-D Connectors

Sample Part Number		GMPM	2	-D112	R	-CBRT	-TU	-.109
Series	GMPM							
Shell Finish	Aluminum Shell 1 - Cadmium 5 - Gold Stainless Steel Shell 2 - Nickel 6 - Chem Film 3 - Passivated 4 - Black Anodize 33 - Nickel-PTFE							
Shell Size and Insert Arrangement	B112, D112, D113, E112, E113, J112							
Shell Style	P – Plug R – Receptacle							
Termination Style	CBRT – 90° with Encapsulating Tray Note all combo (power/signal connectors are supplied as CBRT Style)							
Hardware	NU – 2-56 UNC Mounting Threads, No Jackposts NM – M2 Metric Mounting Threads, No Jackposts SU – Hex Jackpost, 2-56 UNC Mounting Threads SM – Hex Jackpost, M2 Mounting Threads Rear Panel Mount Supplied either with U style 2-56 UNC Mount or M style metric mount, M2 Threaded Inserts TU or TM – 0.094" (2.4) Panel VU or VM – 0.063" (1.6) Panel WU or WM – 0.047" (1.2) Panel XU or XM – 0.031" (0.8) Panel YU or YM – 0.025" (0.65) Panel ZU or ZM – 0.079" (2.0) Panel RU or RM – 0.059" (1.5) Panel							
PCB Thickness Power Contacts (Pin)	.109(2.77), .150(3.81), .190(4.83), .250(6.35) Length in Inches(mm) ± .015 (0.38)							

Table I: Jackpost Options

NU, NM	SU, SM	TU,VU,WU,XU,YU,ZU,RU TM,VM,WM,XM,YM,ZM,RM
Threaded Inserts	Jackpost With Threaded Insert	Jackpost for Rear Panel Mounting with PCB Mounting Thread

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



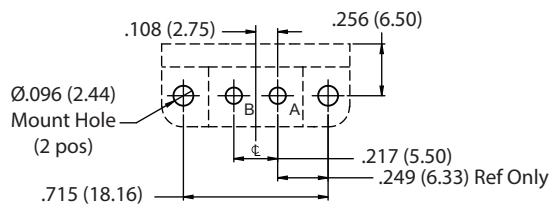
Layout	A Max.		B		C Max.	
	In.	mm.	In. ± .003	mm. ± 0.08	In.	mm.
B112P	.935	23.75	.715	18.16	.481	12.21
B112R	.935	23.75	.715	18.16	.550	13.92
D112P & D113P	1.185	30.10	.965	24.51	.731	18.56
D112R & D113R	1.185	30.10	.965	24.51	.800	20.27
E112P & E113P	1.335	33.91	1.115	28.32	.881	22.37
E112R & E113R	1.335	33.91	1.115	28.32	.950	24.08
J112P	1.835	46.61	1.615	41.02	1.381	35.07
J112R	1.835	46.61	1.615	41.02	1.450	36.81

Power Micro-D 90° PCB Layouts

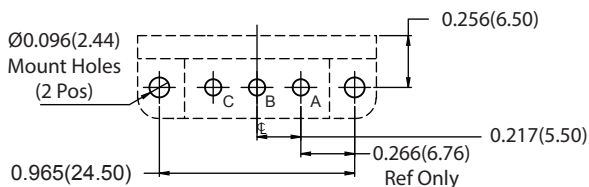
Patterns shown are for connector mounting side of PC board.

Plated thru-holes to accept .081 (2.06) maximum diameter power pins marked A - F

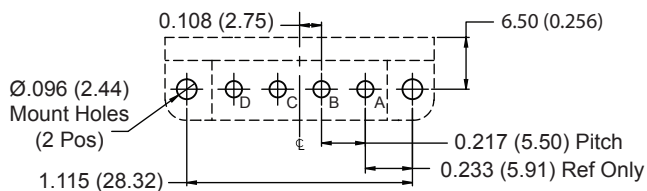
Plug Connectors



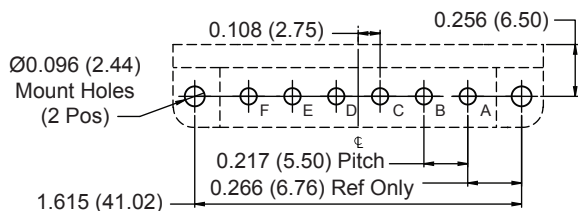
B112



D112

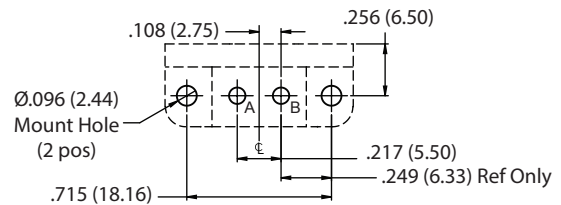


E112

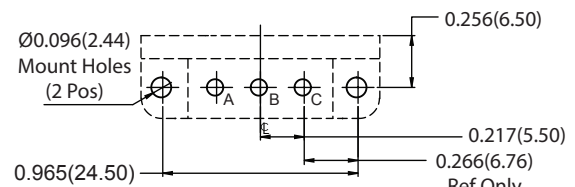


J112

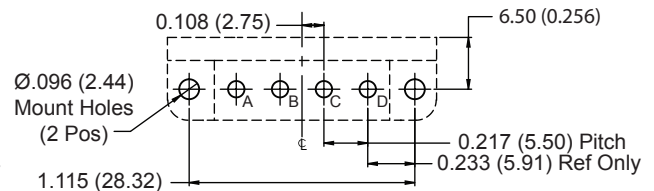
Receptacle Connectors



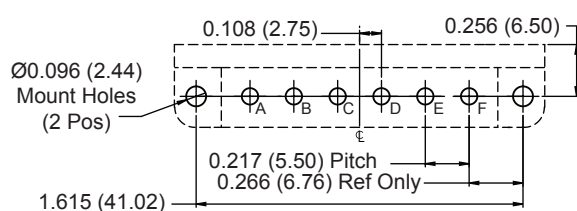
B112



D112



E112



J112

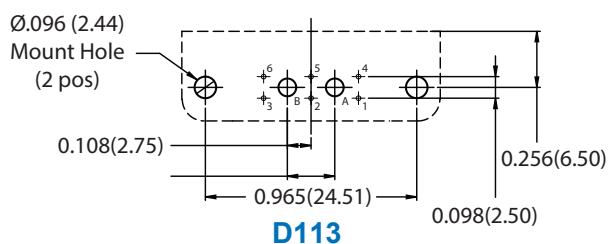
F

Combo Micro-D 90° 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 - F and .022 maximum diameter signal pins marked 1 - 10.

Plug Connectors



Receptacle Connectors

