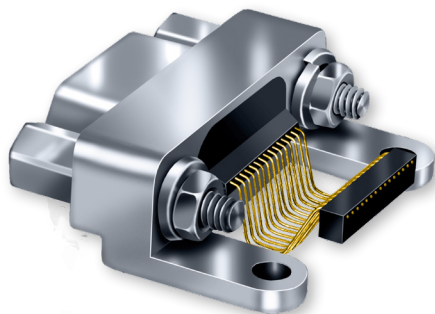




Micro-D MWDM-SMR Surface Mount Right Angle Printed Circuit Board Connectors

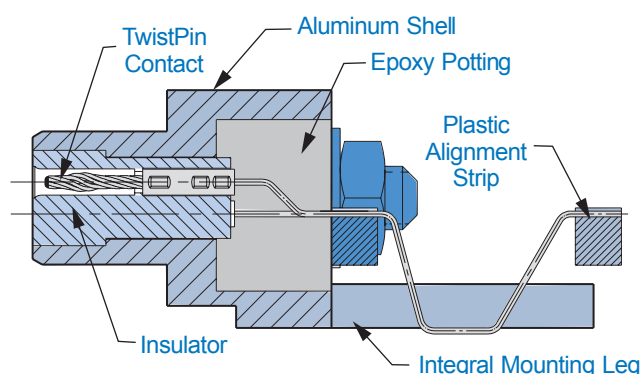


Surface Mount Micro-D – These connectors feature .025 inch terminal spacing and an alignment strip for accurate registration. The integral mounting legs provide a ground path.

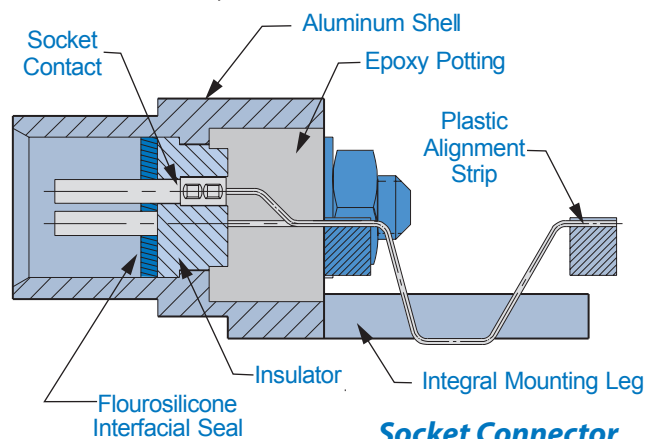
9 To 51 Contacts – These compact connectors are lighter and smaller than comparable thru-hole versions.

Mil Spec Reliability – Suitable for mission-critical requirements, These high performance connectors meet the requirements of MIL-DTL-83513.

Solder Method – When soldering the MWDM-SMR connector to the circuit board, consult Glenair factory for recommended method.

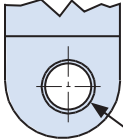
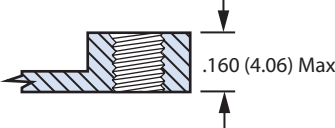


Pin Connector



Socket Connector

How To Order Surface Mount PCB Micro-D Connectors

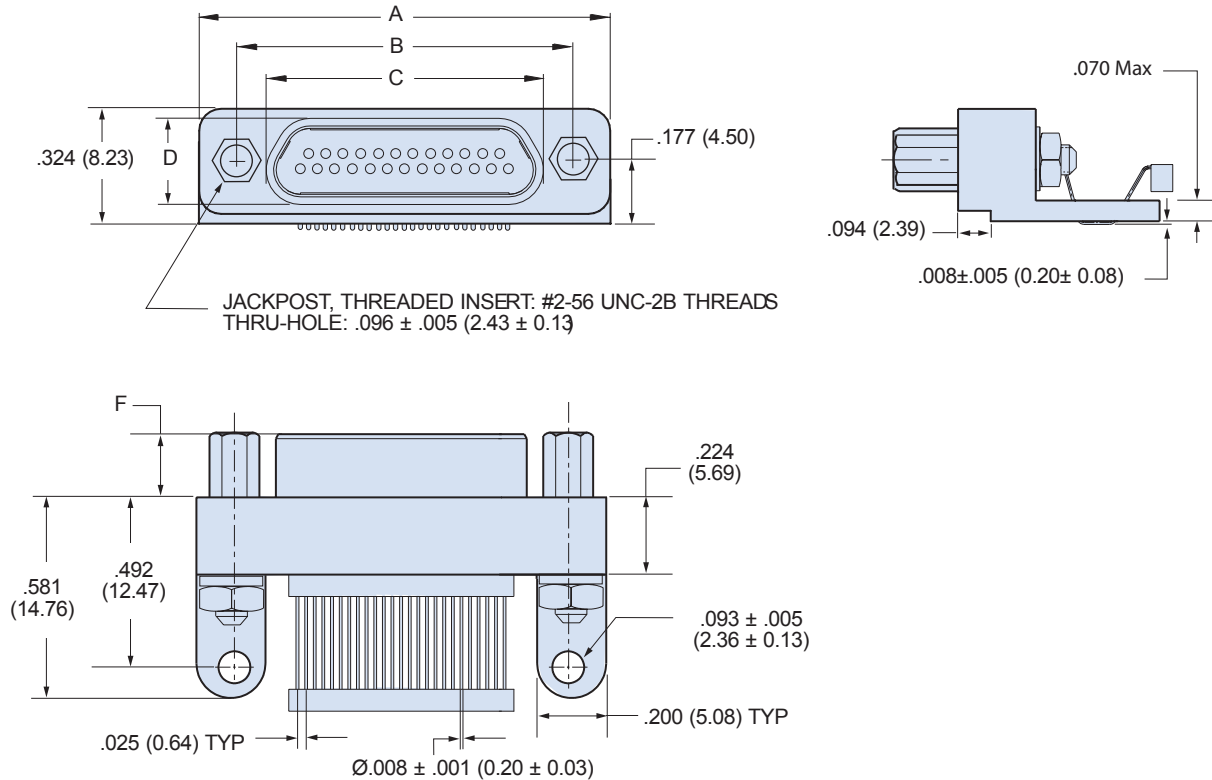
Sample Part Number		MWDM	2	L	-37	P	SMR	P	N
Series	MWDM Glenair Micro-D								
Shell Material and Finish	Aluminum-Shell 1 - Cadmium 2 - Nickel Stainless Steel Shell 4 - Black Anodize 5 - Gold 3 - Passivated 6 - Chem Film								
Insulator Material	L - LCP or PPS LCP - 30% Glass-Filled Liquid Crystal Polymer/ PPS - 40% Glass Filled Polyphenylene Sulfide								
Contact Layout	9, 15, 21, 25, 31, 37, 51-2 (See Table I)								
Contact Type	P - Pin S - Socket								
Termination Type	SMR - Surface Mount Right Angle								
Jackpost or Jackscrew Option	N - Thru-Hole P - Jackpost M - Jackscrew, Hex Head T - Threaded Insert Jackposts for Rear Panel Mounting R1 - .032" Panel R4 - .093" Panel R2 - .047" Panel R5 - .125 Panel R3 - .062" Panel R6 - .080" Panel								
Board Mounting Threaded Insert Option	N - Thru-Hole, No Insert T - Threaded Inserts  #2-56 Insert 								

Micro-D MWDM-SMR Surface Mount Right Angle Dimensions



Micro-D PCB

Table I: Dimensions



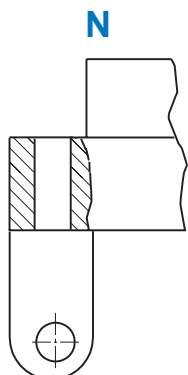
C

Layout	A Max.		B		C Max.		D Max.		F	
	In.	mm.	In. ±.005	mm. ± 0.13	In.	mm.	In.	mm.	In. ±.003	mm. ± 0.08
9P	.785	19.94	.565	14.35	.333	8.46	.184	4.67	.183	4.65
9S	.785	19.94	.565	14.35	.400	10.16	.250	6.35	.195	4.95
15P	.935	23.75	.715	18.16	.483	12.27	.184	4.67	.183	4.65
15S	.935	23.75	.715	18.16	.551	14.00	.250	6.35	.195	4.95
21P	1.085	27.56	.865	21.97	.633	16.08	.184	4.67	.183	4.65
21S	1.085	27.56	.865	21.97	.701	17.81	.250	6.35	.195	4.95
25P	1.185	30.10	.965	24.51	.733	18.62	.184	4.67	.183	4.65
25S	1.185	30.10	.965	24.51	.801	20.35	.250	6.35	.195	4.95
31P	1.335	33.91	1.115	28.32	.883	22.43	.184	4.67	.183	4.65
31S	1.335	33.91	1.115	28.32	.951	24.16	.250	6.35	.195	4.95
37P	1.485	37.72	1.265	32.13	1.033	26.24	.184	4.67	.183	4.65
37S	1.485	37.72	1.265	32.13	1.101	27.96	.250	6.35	.195	4.95
51-2P	1.840	46.74	1.615	41.02	1.375	34.93	.184	4.67	.183	4.65
51-2S	1.840	46.74	1.615	41.02	1.444	36.68	.250	6.35	.195	4.95

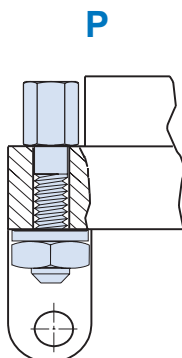


Micro-D MWDM-SMR Surface Mount Right Angle Hardware

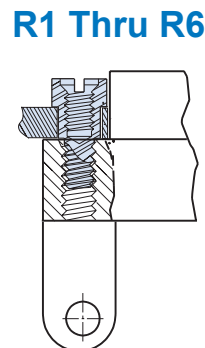
Surface Mount MICRO-D Hardware Options



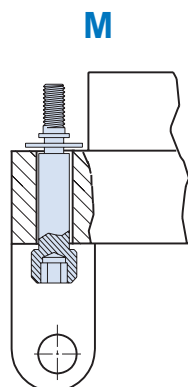
Thru-Hole
No jackpost supplied



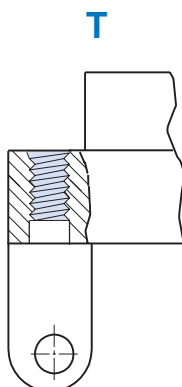
Standard Jackpost
Factory installed with nut and lockwasher



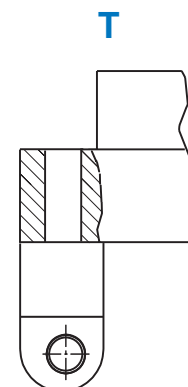
Jackpost for Rear Panel Mounting
Shipped loosely installed. Install with permanent threadlocking compound.



Jackscrew, Hex Drive
Attached with e-ring



Threaded Insert
#2-56 Thread



Board Mount Threaded Insert

Performance Specifications

Current Rating	1 AMP
DWV	600 VAC Sea level
Insulation Resistance	5000 Megohms Minimum
Contact Resistance	8 Milliohms Maximum
Low Level Contact Resist.	32 Milliohms Maximum
Magnetic Permeability	2 μ Maximum
Operating Temperature	-55° C. to +150° C.
Shock, Vibration	50 g., 20g.
Mating Force	(10 Ounces) X (# of Contacts)

Materials And Finishes

Connector Shell	Aluminum Alloy 6061. See Ordering Info for Plating Options
Insulators	Liquid Crystal Polymer (LCP)/Polyphenylene Sulfide (PPS)
Interfacial Seal	Fluorosilicone Rubber, Blue
Pin Contact	Beryllium Copper Gold over Nickel Plating
Socket Contact	Copper Alloy Gold Over Nickel Plating
PCB Terminals	Gold Plated Copper Alloy, Solder Dipped
Hardware	300 Series Stainless Steel
Encapsulant	Epoxy Resin Hysol EE4215

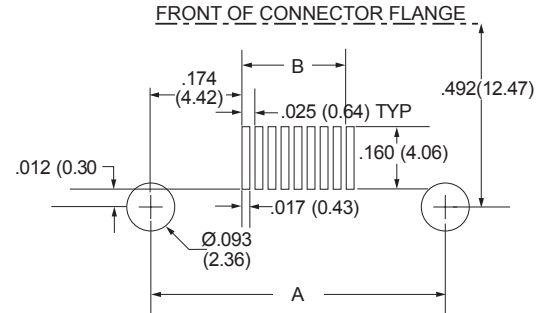
Micro-D MWDM-SMR Surface Mount Right Angle PCB Layouts



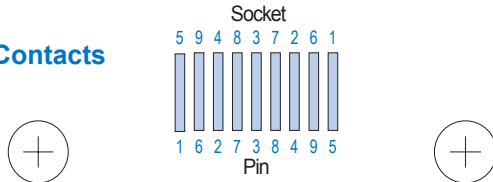
Micro-D PCB

SMR Surface Mount Connector PCB Layouts

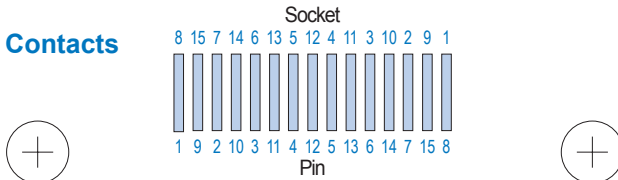
Suggested Printed Circuit Board Layout



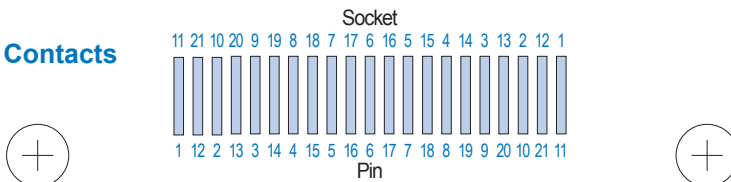
9 Contacts



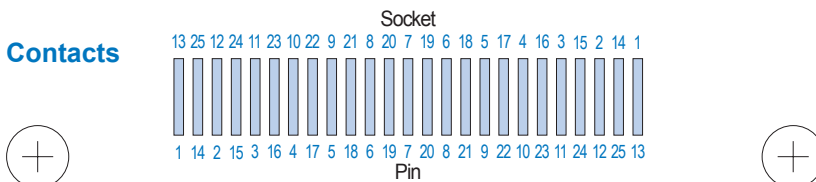
15 Contacts



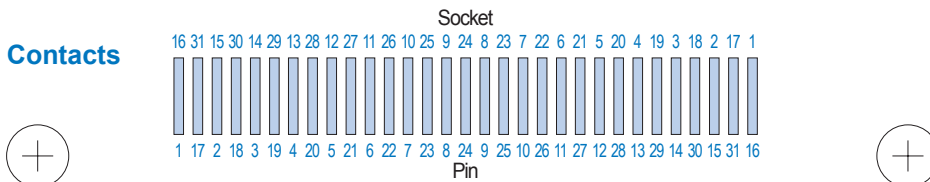
21 Contacts



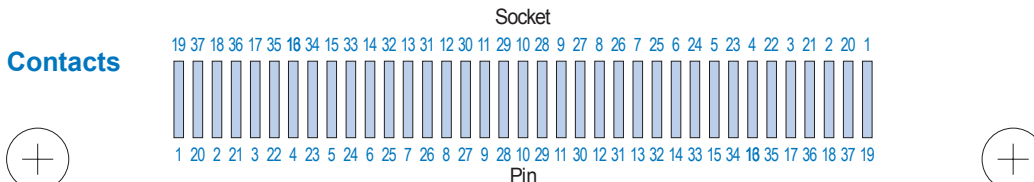
25 Contacts



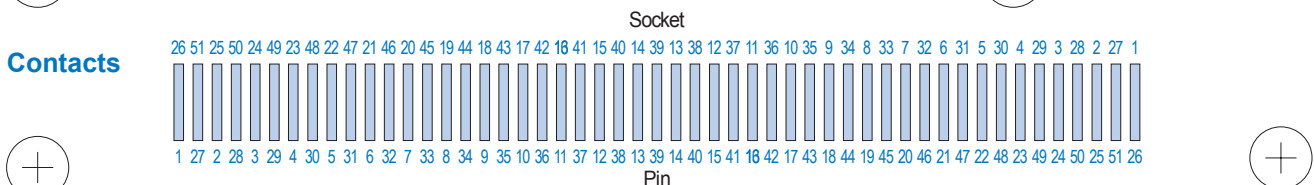
31 Contacts



37 Contacts



51 Contacts

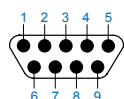




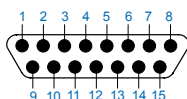
Micro-D Contact Arrangements

A

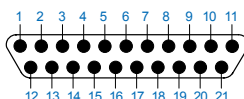
Face View Pin Connector – Micro-D Contact Arrangements



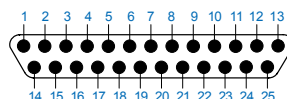
9 pin



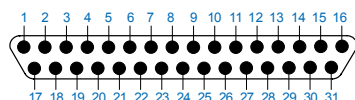
15 pin



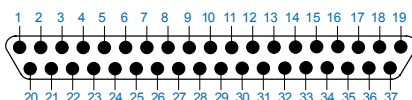
21 pin



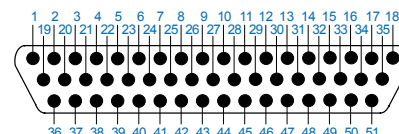
25 pin



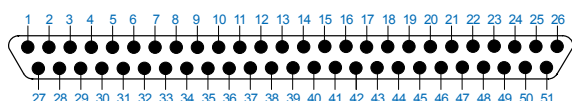
31 pin



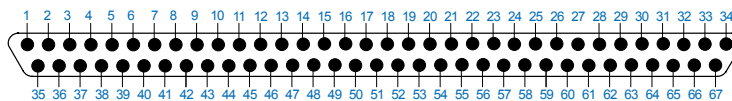
37 pin



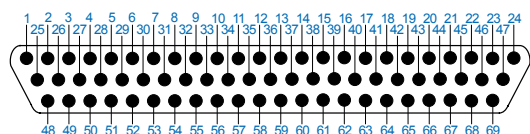
51 pin



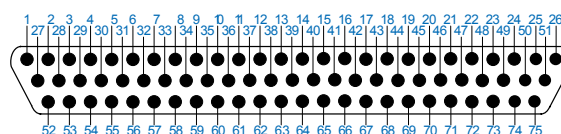
51 pin (special 2 row)



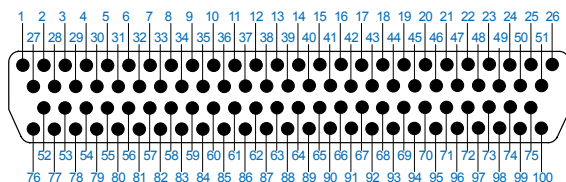
67 pin



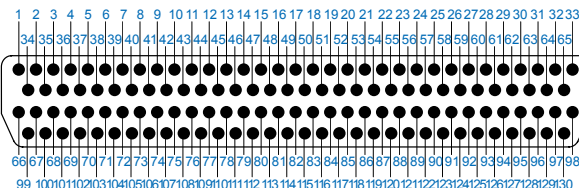
69 pin



75 pin



100 pin

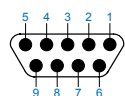


130 pin

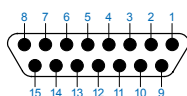
Micro-D Contact Arrangements



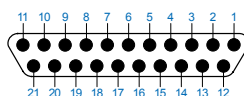
Face View Socket Connector – Micro-D Contact Arrangements



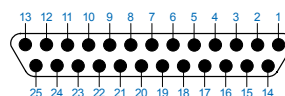
9 socket



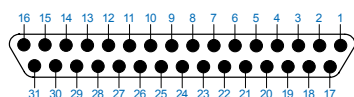
15 socket



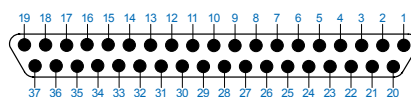
21 socket



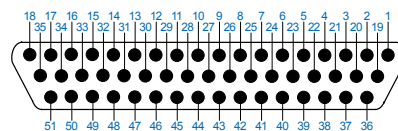
25 socket



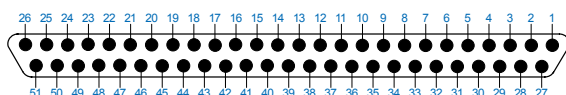
31 socket



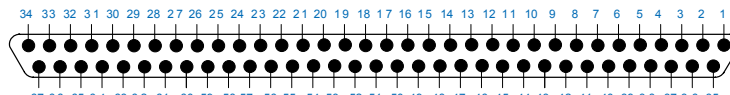
37 socket



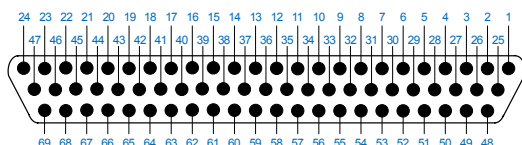
51 socket



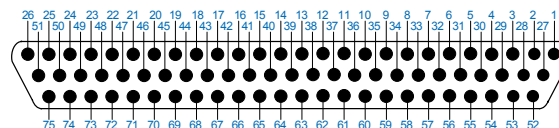
51 socket (special 2 row)



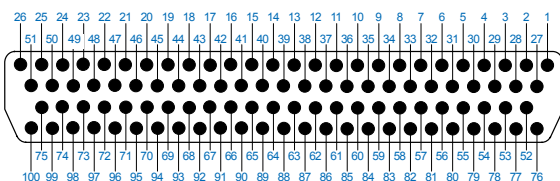
67 socket



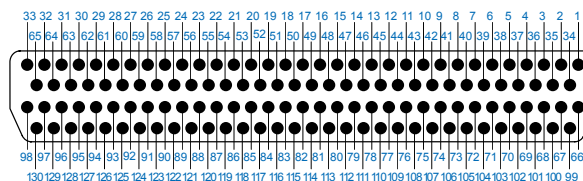
69 socket



75 socket



100 socket



130 socket