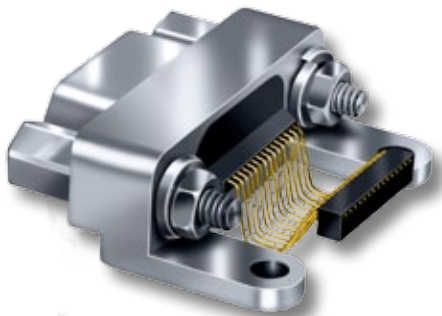


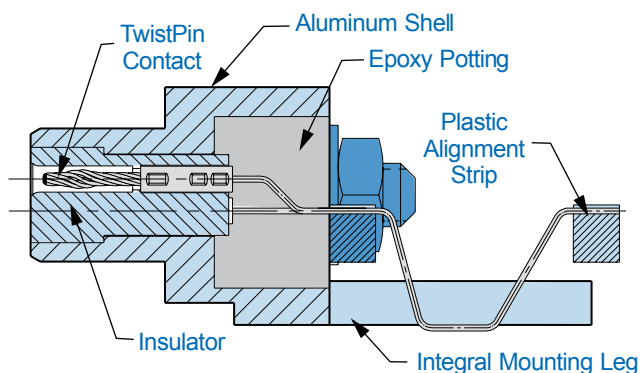
MWDM Surface Mount Right Angle Micro-D Connectors



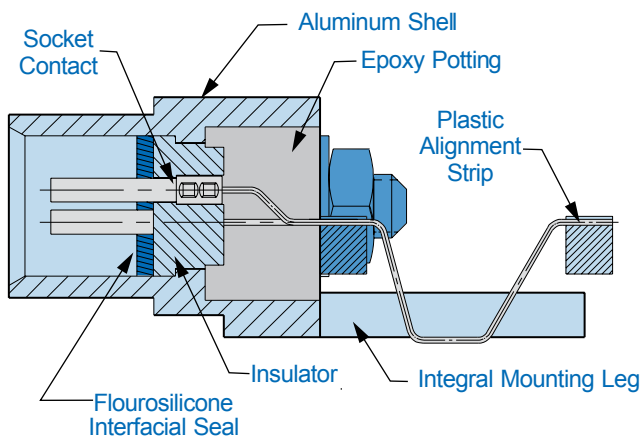
Surface Mount Micro-D – These connectors feature .025 inch terminal spacing and an alignment strip for accurate registration. The integral mounting legs provide a ground path.

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.

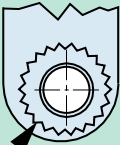


Pin Connector



Socket Connector

HOW TO ORDER SURFACE MOUNT PCB MICRO-D CONNECTORS

Series	Shell Material and Finish	Insulator Material	Contact Layout	Contact Type	Termination Type	Jackpost or Jackscrew Option	Board Mounting Threaded Insert Option
MWDM	1 – Cadmium	L – LCP 30% Glass-Filled Liquid Crystal Polymer	9	P – Pin	SMR Surface Mount Right Angle	N – Thru-Hole	 #2-56 Insert
	2 – Nickel		15	S – Socket		P – Jackpost	
	4 – Black Anodize		21			M – Jackscrew, Hex Head	
	5 – Gold		25			T – Threaded Insert	
	6 – Chem Film		31			Jackposts for Rear Panel Mounting	
			37			R1 – .032" Panel	
	Stainless Steel Shell		51-2			R2 – .047" Panel	
	3 – Passivated					R3 – .062" Panel	
						R4 – .093" Panel	
						R5 – .125" Panel	
Sample Part Number							
MWDM	2	L	– 51-2	P	SMR	P	N

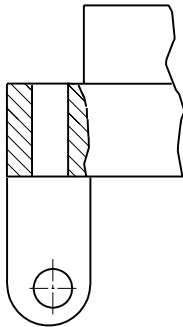
MWDM Surface Mount Right Angle Micro-D Connectors



Micro-D
PCB

SURFACE MOUNT MICRO-D HARDWARE OPTIONS

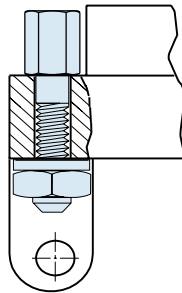
N



Thru-Hole

No jackpost supplied

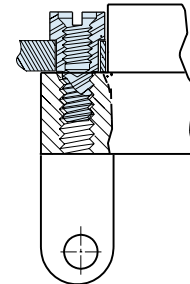
P



Standard Jackpost

Factory installed with nut and lockwasher

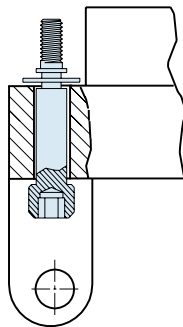
R1 Thru R5



Jackpost for Rear Panel Mounting

Shipped loosely installed. Install with permanent threadlocking compound.

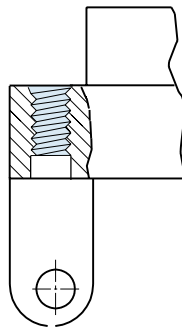
M



Jackscrew, Hex Drive

Attached with e-ring

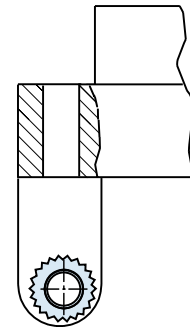
T



Threaded Insert

#2-56 Thread

T



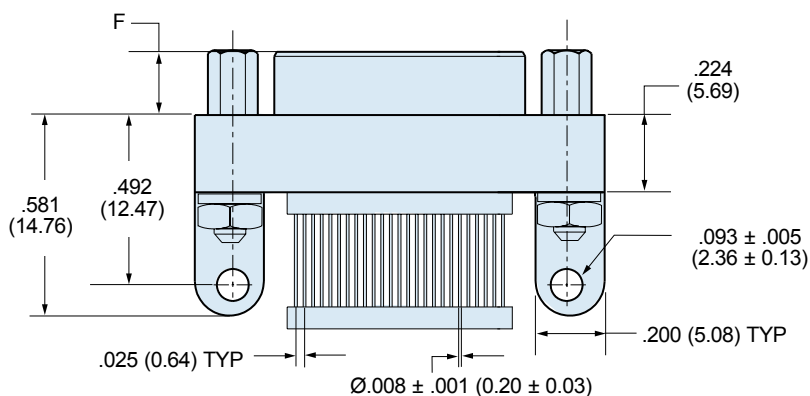
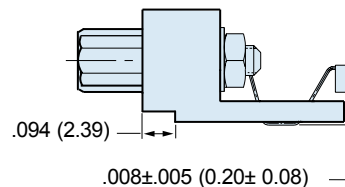
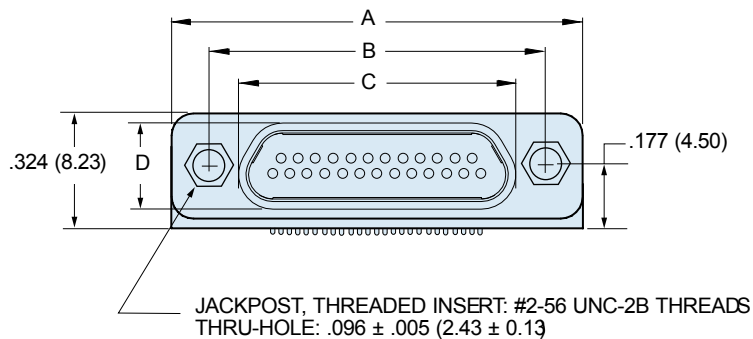
Board Mount Threaded Insert

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)
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



DIMENSIONS

Layout	A Max.		B		C Max.		D Max.		F	
	In.	mm.	In. $\pm .005$	mm. ± 0.13	In.	mm.	In.	mm.	In. $\pm .003$	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	30.01	.965	24.51	.733	18.62	.184	4.67	.183	4.65
25S	1.185	30.01	.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

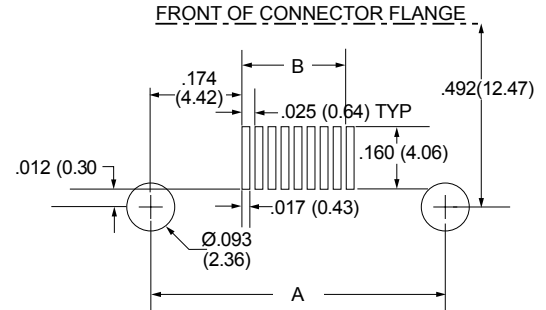
MWDM Surface Mount Right Angle Micro-D Connectors



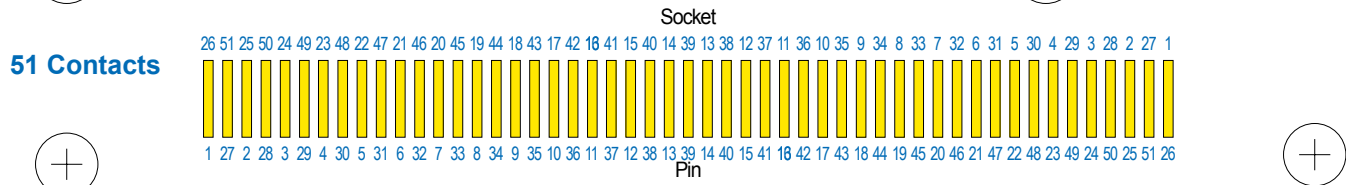
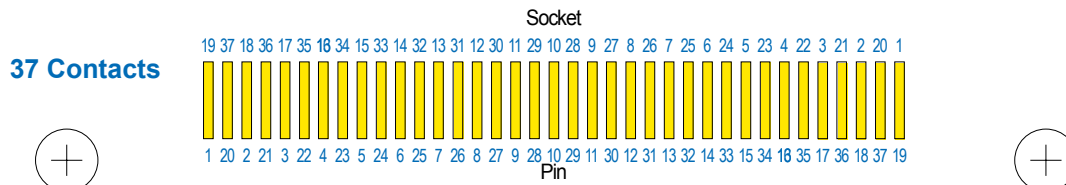
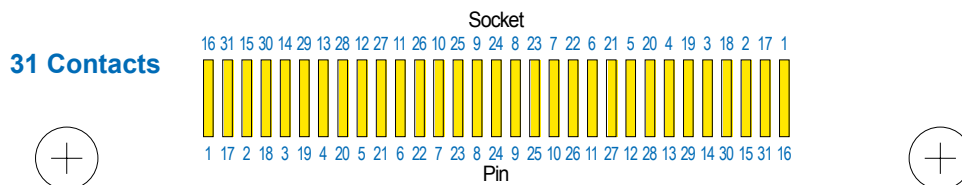
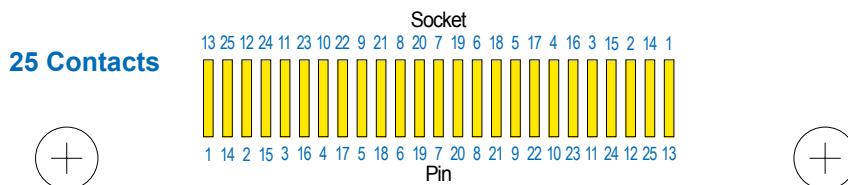
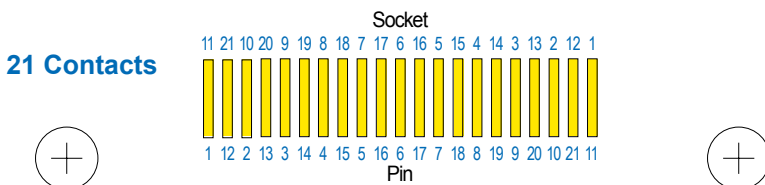
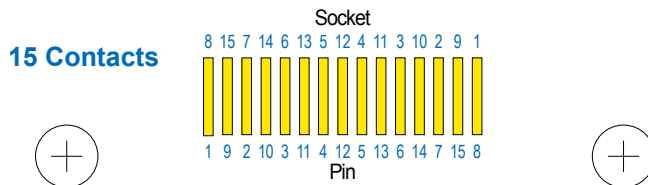
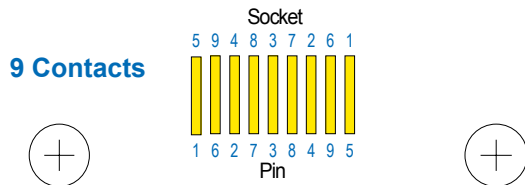
Micro-D
PCB

SMR SURFACE MOUNT CONNECTOR PCB LAYOUTS

Suggested Printed Circuit Board Layout



C



Layout	A		B	
	In.	mm.	In.	mm.
9	.565	14.35	.200	5.08
15	.715	18.16	.350	8.89
21	.865	21.97	.500	12.70
25	.965	24.51	.600	15.24
31	1.115	28.32	.750	19.05
37	1.265	32.13	.900	22.86
51-2	1.615	41.02	1.250	31.75

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9