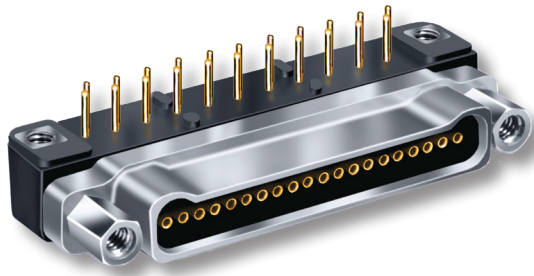


GMSM Right Angle Single Row PCB Connector Low Profile Metal Shell Microminiature



Micro-D
Single Row



Low Profile GMSM Single Row Micro Connectors offer mil spec design and performance in a smaller form factor for space savings. These GMSM connectors are shorter and occupy less board real estate than comparable two row Micro-D connectors.

GMSM Connectors feature gold-plated TwistPin contacts, machined aluminum shells, and are fully potted with epoxy. Choose from 4 to 35 contacts. Available in a variety of finishes, socket connectors are fitted with Fluorosilicone interfacial seals.

D

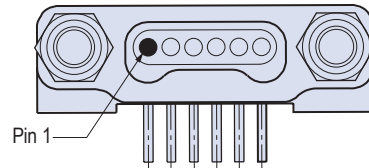
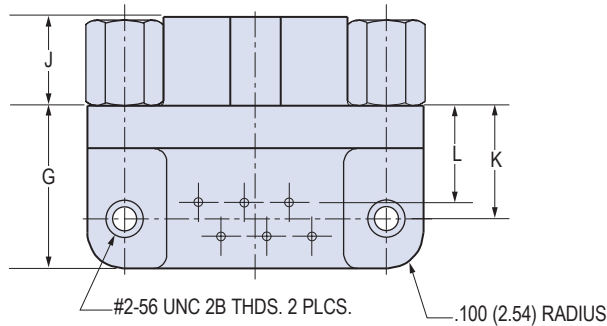
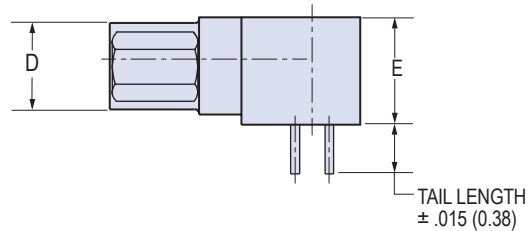
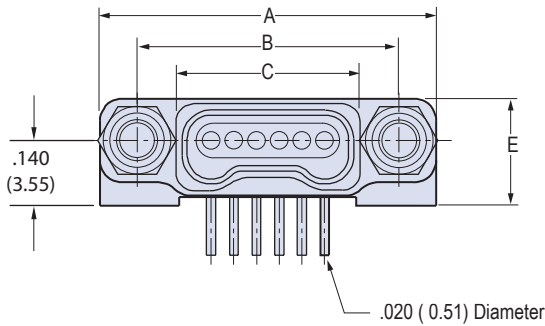
How To Order GMSM Right Angle PCB Connector													
Sample Part Number	GMSM 2- 10 P CBR SU 1												
Series	GMSM												
Shell Finish	<table border="0"> <tr> <td>Aluminum Shell</td> <td>Stainless Steel Shell</td> </tr> <tr> <td>1 - Cadmium</td> <td>3 - Passivated</td> </tr> <tr> <td>2 - Nickel</td> <td></td> </tr> <tr> <td>4 - Black Anodize</td> <td></td> </tr> <tr> <td>5 - Gold</td> <td></td> </tr> <tr> <td>6 - Chem Film</td> <td></td> </tr> </table>	Aluminum Shell	Stainless Steel Shell	1 - Cadmium	3 - Passivated	2 - Nickel		4 - Black Anodize		5 - Gold		6 - Chem Film	
Aluminum Shell	Stainless Steel Shell												
1 - Cadmium	3 - Passivated												
2 - Nickel													
4 - Black Anodize													
5 - Gold													
6 - Chem Film													
Contact Layout	04, 06, 10, 15, 20, 25, 30, 35 (See Table II)												
Contact Type	P - Pin S - Socket												
Termination Style	CBR - Right Angle PCB												
Hardware Option	<table border="0"> <tr> <td>NU - Threaded Insert Only, No Jackposts</td> <td>Rear Panel Jackposts with Threaded Inserts</td> </tr> <tr> <td>SU - Jackpost and Threaded Insert (See Table I)</td> <td>TU - 0.093" (2.4) Panel</td> </tr> <tr> <td></td> <td>VU - 0.062" (1.6) Panel</td> </tr> <tr> <td></td> <td>WU - 0.047" (1.2) Panel</td> </tr> <tr> <td></td> <td>XU - 0.031" (0.8) Panel</td> </tr> <tr> <td></td> <td>YU - 0.023" (0.6) Panel</td> </tr> </table>	NU - Threaded Insert Only, No Jackposts	Rear Panel Jackposts with Threaded Inserts	SU - Jackpost and Threaded Insert (See Table I)	TU - 0.093" (2.4) Panel		VU - 0.062" (1.6) Panel		WU - 0.047" (1.2) Panel		XU - 0.031" (0.8) Panel		YU - 0.023" (0.6) Panel
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Tail Length	1 - .109 (2.8) 2 - .150 (3.8) 3 - .190 (4.8) 4 - .250 (6.3)												

Table I: Mounting Hardware		
NU	SU	TU, VU, WU, XU, YU
No Jackpost, Threaded Insert In PCB Mounting Hole	Jackpost With Threaded Insert	Jackpost for Rear Panel Mounting

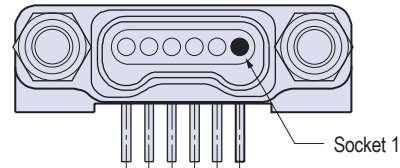


GMSM Right Angle Single Row PCB Connector Low Profile Metal Shell Microminiature

Table II: Dimensions



Face View of Pin (Plug) Connector



Face View of Socket (Receptacle) Connector

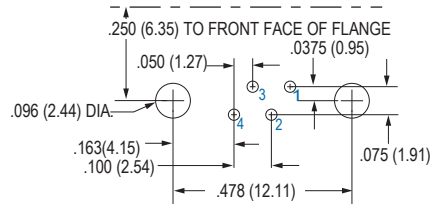
Layout	A Max.		B		C Max.		D Max.		E Max.		G Max.		J Max.		K		L	
	In.	mm.	In. ±.003	mm. ± 0.08	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In. ±.004	mm. ± 0.10	In. ±.010	mm. ± 0.25
04P	.648	16.45	.478	12.11	.250	6.37	.135	3.42	.241	6.13	.364	9.25	.184	4.67	.250	6.35	.213	5.41
04S	.648	16.45	.478	12.11	.309	7.85	.194	4.94	.241	6.13	.364	9.25	.197	5.00	.250	6.35	.213	5.41
06P	.748	19.00	.578	14.65	.350	8.91	.135	3.42	.241	6.13	.364	9.25	.184	4.67	.250	6.35	.213	5.41
06S	.748	19.00	.578	14.65	.409	10.40	.194	4.94	.241	6.13	.364	9.25	.197	5.00	.250	6.35	.213	5.41
10P	.948	24.07	.777	19.73	.550	13.99	.135	3.42	.241	6.13	.364	9.25	.184	4.67	.250	6.35	.213	5.41
10S	.948	24.07	.777	19.73	.609	15.47	.194	4.94	.241	6.13	.364	9.25	.197	5.00	.250	6.35	.213	5.41
15P	1.198	30.42	1.027	26.08	.800	20.34	.135	3.42	.241	6.13	.364	9.25	.184	4.67	.250	6.35	.213	5.41
15S	1.198	30.42	1.027	26.08	.859	21.82	.194	4.94	.241	6.13	.364	9.25	.197	5.00	.250	6.35	.213	5.41
20P	1.448	36.77	1.277	32.43	1.050	26.69	.135	3.42	.241	6.13	.364	9.25	.184	4.67	.250	6.35	.213	5.41
20S	1.448	36.77	1.277	32.43	1.109	28.17	.194	4.94	.241	6.13	.364	9.25	.197	5.00	.250	6.35	.213	5.41
25P	1.698	43.12	1.527	38.78	1.300	33.04	.135	3.42	.241	6.13	.364	9.25	.184	4.67	.250	6.35	.213	5.41
25S	1.698	43.12	1.527	38.78	1.359	34.52	.194	4.94	.241	6.13	.364	9.25	.197	5.00	.250	6.35	.213	5.41
30P	1.948	49.47	1.777	45.13	1.550	39.39	.135	3.42	.241	6.13	.364	9.25	.184	4.67	.250	6.35	.213	5.41
30S	1.948	49.47	1.777	45.13	1.609	40.87	.194	4.94	.241	6.13	.364	9.25	.197	5.00	.250	6.35	.213	5.41
35P	2.198	55.82	2.027	51.48	1.800	45.74	.135	3.42	.241	6.13	.364	9.25	.184	4.67	.250	6.35	.213	5.41
35S	2.198	55.82	2.027	51.48	1.859	47.22	.194	4.94	.241	6.13	.364	9.25	.197	5.00	.250	6.35	.213	5.41

**GMSM Right Angle
Single Row PCB Connector
Low Profile Metal Shell Microminiature**

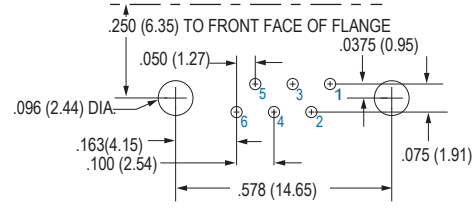


Micro-D
Single Row

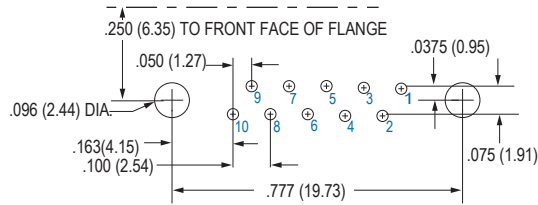
GMSM PCB Layouts – Pin Connectors



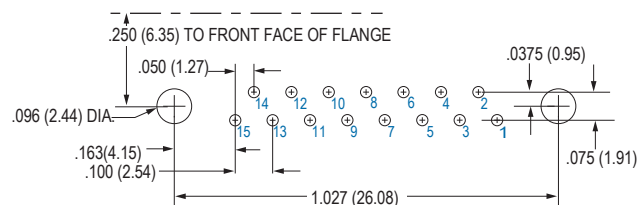
4 PIN



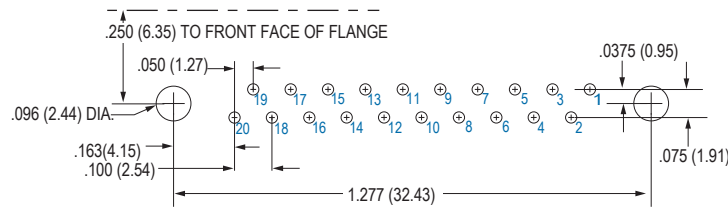
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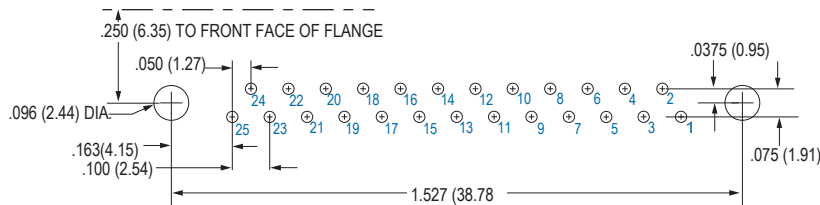
10 PIN



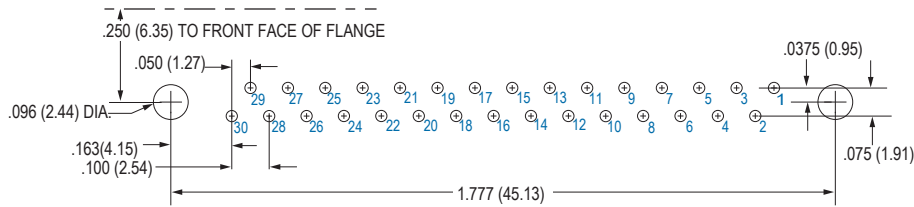
15 PIN



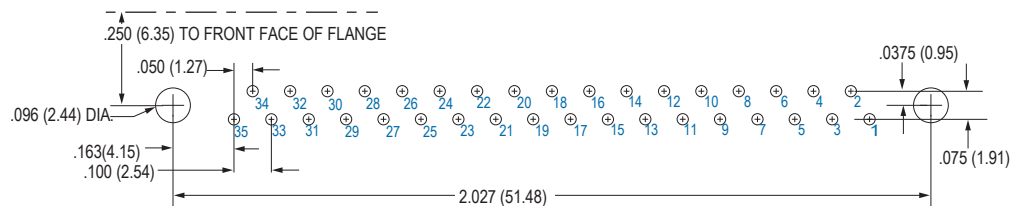
20 PIN



25 PIN



30 PIN



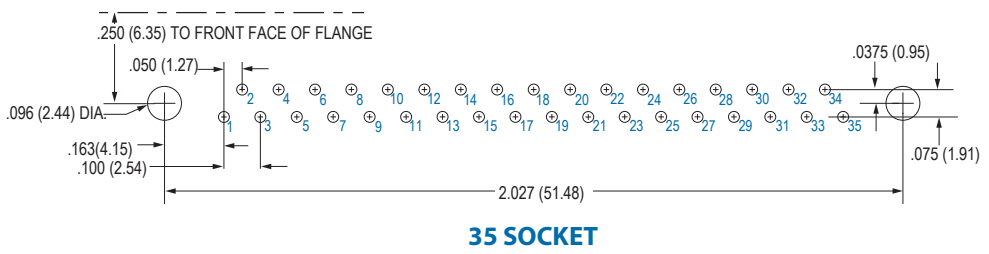
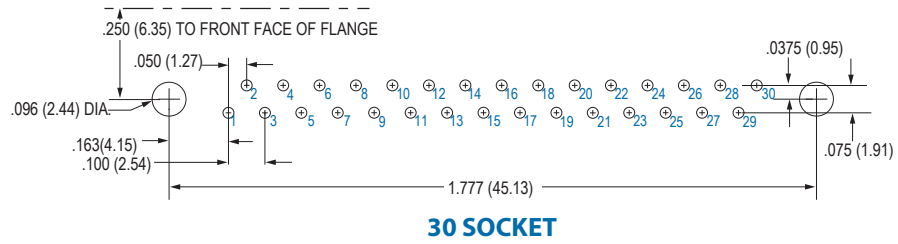
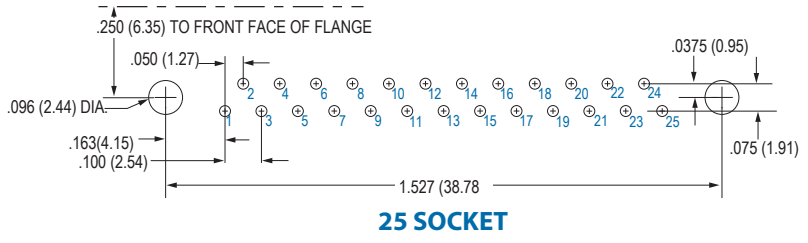
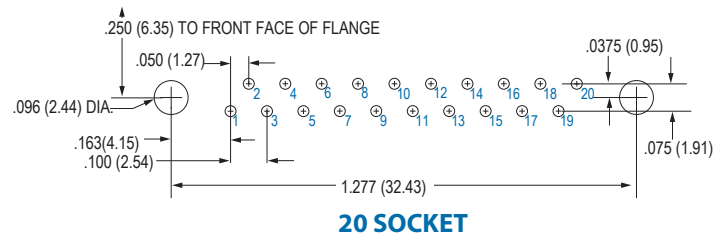
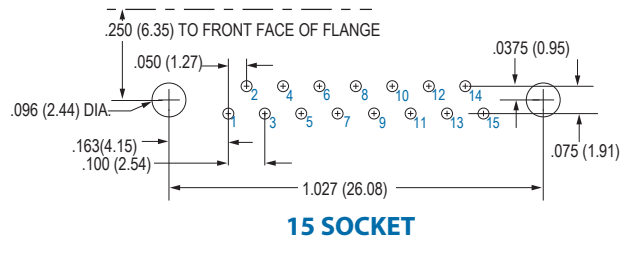
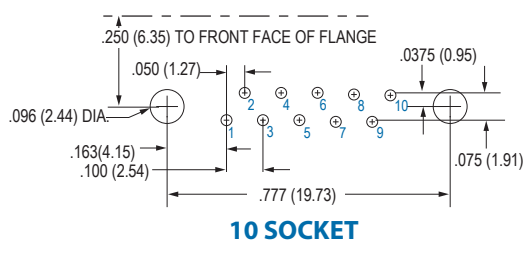
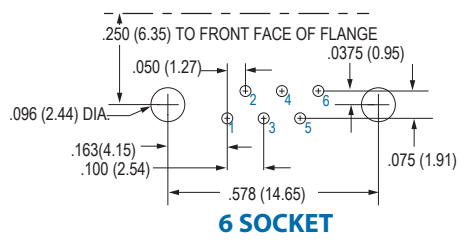
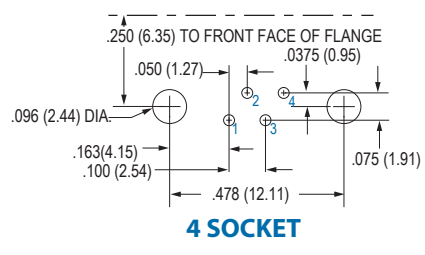
35 PIN

D



GMSM Right Angle Single Row PCB Connector Low Profile Metal Shell Microminiature

GMSM PCB Layouts – Socket Connectors



D