



## GMSM Solder Cup, Pre-Wired and Solid Wire Single Row Connector Low Profile Metal Shell Microminiature

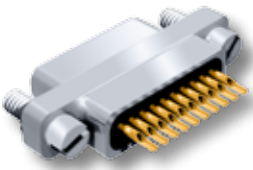


**GMSM Connectors** offer mil spec design and performance in a smaller form factor. These GMSM single row connectors are reduced in height compared to two-row Micro-D connectors.


**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 Solder Cup Connectors

 Solder Cup	<b>Sample Part Number</b>	<b>GMSM</b> 1- 15 P S B
	<b>Series</b>	<b>GMSM</b> Glenair Metal Shell Microminiature
	<b>Shell Finish</b>	Aluminum Shell      Stainless Steel Shell <b>1</b> - Cadmium <b>2</b> - Nickel <b>3</b> - Passivated <b>4</b> - Black Anodize <b>5</b> - Gold <b>6</b> - Chem Film
	<b>Contact Layout</b>	<b>04, 06, 10, 15, 20, 25, 30, 35</b> (See Table II)
	<b>Contact Type</b>	<b>P</b> - Pin <b>S</b> - Socket
	<b>Termination Type</b>	<b>S</b> - Solder Cup
	<b>Hardware</b>	<b>B, P, M, M1, S, S1, L, K, F, R</b> (See Table I)

### How To Order Insulated Wire Connector


 Insulated Wire Pigtails	<b>Sample Part Number</b>	<b>GMSM</b> 2- 10 P- 6 K 1- 18 B
	<b>Series</b>	<b>GMSM</b> Glenair Metal Shell Microminiature
	<b>Shell Finish</b>	Aluminum Shell      Stainless Steel Shell <b>1</b> - Cadmium <b>3</b> - Passivated <b>2</b> - Nickel <b>4</b> - Black Anodized <b>5</b> - Gold <b>6</b> - Chem Film
	<b>Number of Contacts</b>	<b>04, 06, 10, 15, 20, 25, 30, 35</b> (See Table II)
	<b>Contact Type</b>	<b>P</b> - Pin, <b>S</b> - Socket
	<b>Wire Gage (AWG)</b>	<b>4</b> - #24 <b>6</b> - #26 <b>8</b> - #28 AWG
	<b>Wire Type</b>	<b>K</b> - M22759/11 600 Vrms Teflon (TFE) <sup>®</sup> <b>J</b> - M22759/33600 Vrms Modified Cross-Linked Tefzel (ETFE) <sup>®</sup> <b>E</b> - NEMA HP3-EB 600 Vrms Type E M16878/4 (TFE)
	<b>Wire Color Code</b>	<b>1</b> - White <b>2</b> - Yellow <b>5</b> - Color-Coded Stripes Per MIL-STD-681 <b>7</b> - 10 Color Repeating
	<b>Wire Length Inches</b>	<b>18</b> - Wire Length In Inches. "18" Specifies 18 Inches.
	<b>Hardware</b>	<b>B, P, M, M1, S, S1, L, K, F, R</b> (See Table I)

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Micro-D  
Single Row

## How To Order Uninsulated Wire Connector

 Gold Plated or Solder Dipped Solid Leads	<b>Sample Part Number</b>	<b>GMSM</b>	<b>2-</b>	<b>10</b>	<b>P-</b>	<b>5</b>	<b>C</b>	<b>4-</b>	<b>.250</b>	<b>P</b>	
	<b>Series</b>	<b>GMSM</b> Glenair Metal Shell Microminiature									
	<b>Shell Finish</b>	Aluminum Shell <b>1</b> - Cadmium <b>2</b> - Nickel <b>4</b> - Black Anodized <b>5</b> - Gold <b>6</b> - Chem Film	Stainless Steel Shell <b>3</b> - Passivated								
	<b>Number of Contacts</b>	<b>04, 06, 10, 15, 20, 25, 30, 35</b> (See Table II)									
	<b>Contact Type</b>	<b>P</b> - Pin, <b>S</b> - Socket									
	<b>Wire Gage (AWG)</b>	<b>4</b> - #24 <b>5</b> - #26 <b>6</b> - #26									
	<b>Wire Type</b>	<b>C</b> - Copper Wire									
	<b>Wire Finish</b>	<b>3</b> - Solder Dipped (60/40/Tin/lead)		<b>4</b> - Gold Plated							
	<b>Wire Length Inches</b>	<b>.125, .250, .375, .500, .750, 1.000, 2.000</b> Wire Length In Inches. ".500" Specifies Half Inch.									
	<b>Hardware</b>	<b>B, P, M, M1, S, S1, L, K, F, R</b> (See Table I)									

D

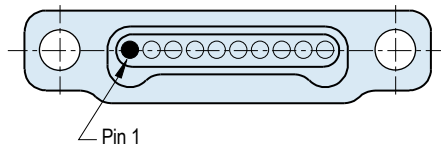
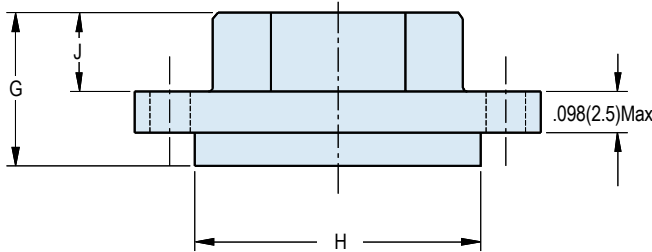
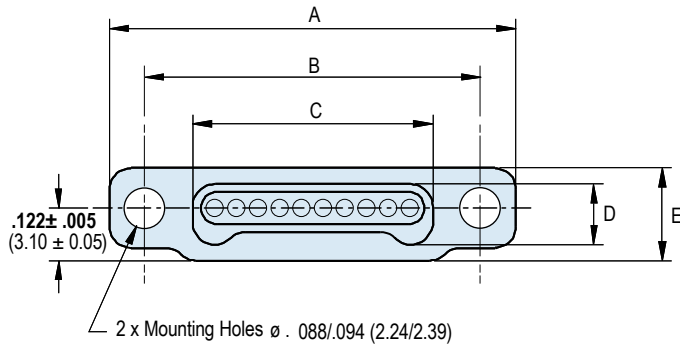
**Table I: Mounting Hardware**

<b>B</b>	<b>P</b>	<b>M</b>	<b>M1</b>	<b>S</b>	<b>S1</b>	<b>L</b>	<b>K</b>	<b>F</b>	<b>R</b>
									
Thru-Hole Order Hardware Separately	Jackpost Removable Includes Nut and Washer	Jackscrew Hex Head Removable E-ring	Jackscrew Hex Head Removable E-ring Extended	Jackscrew Slot Head Removable E-ring	Jackscrew Slot Head Removable E-ring Extended	Jackscrew Hex Head Non-Removable	Jackscrew Slot Head Non-Removable Extended	Float Mount For Front Panel Mounting	Float Mount For Rear Panel Mounting

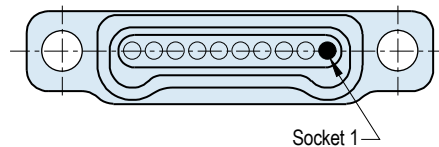
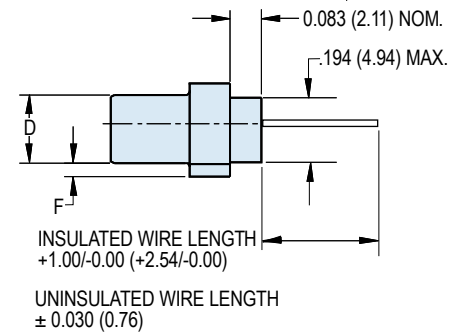
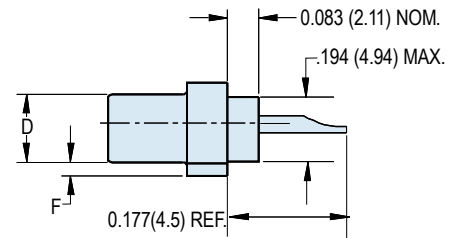


# GMSM Solder Cup, Pre-Wired and Solid Wire Single Row Connector Dimensions

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.		F Max.		G Max.		H Max.		J Max.	
	In.	mm.	In. ±.003	mm. ± 0.08	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
04P	.648	16.45	.478	12.11	.250	6.37	.135	3.42	.218	5.54	.041	1.03	.358	9.10	.309	7.85	.184	4.67
04S	.648	16.45	.478	12.11	.309	7.85	.194	4.94	.218	5.54	.012	0.30	.370	9.40	.309	7.85	.197	5.00
06P	.748	19.00	.578	14.65	.350	8.91	.135	3.42	.218	5.54	.041	1.03	.358	9.10	.409	10.40	.184	4.67
06S	.748	19.00	.578	14.65	.409	10.40	.194	4.94	.218	5.54	.012	0.30	.370	9.40	.409	10.40	.197	5.00
10P	.948	24.07	.777	19.73	.550	13.99	.135	3.42	.218	5.54	.041	1.03	.358	9.10	.609	15.47	.184	4.67
10S	.948	24.07	.777	19.73	.609	15.47	.194	4.94	.218	5.54	.012	0.30	.370	9.40	.609	15.47	.197	5.00
15P	1.198	30.42	1.027	26.08	.800	20.34	.135	3.42	.218	5.54	.041	1.03	.358	9.10	.859	21.82	.184	4.67
15S	1.198	30.42	1.027	26.08	.859	21.82	.194	4.94	.218	5.54	.012	0.30	.370	9.40	.859	21.82	.197	5.00
20P	1.448	36.77	1.277	32.43	1.050	26.69	.135	3.42	.218	5.54	.041	1.03	.358	9.10	1.109	28.17	.184	4.67
20S	1.448	36.77	1.277	32.43	1.109	28.17	.194	4.94	.218	5.54	.012	0.30	.370	9.40	1.109	28.17	.197	5.00
25P	1.698	43.12	1.527	38.78	1.300	33.04	.135	3.42	.218	5.54	.041	1.03	.358	9.10	1.359	34.52	.184	4.67
25S	1.698	43.12	1.527	38.78	1.359	34.52	.194	4.94	.218	5.54	.012	0.30	.370	9.40	1.359	34.52	.197	5.00
30P	1.948	49.47	1.777	45.13	1.550	39.39	.135	3.42	.218	5.54	.041	1.03	.358	9.10	1.609	40.87	.184	4.67
30S	1.948	49.47	1.777	45.13	1.609	40.87	.194	4.94	.218	5.54	.012	0.30	.370	9.40	1.609	40.87	.197	5.00
35P	2.198	55.82	2.027	51.48	1.800	45.74	.135	3.42	.218	5.54	.041	1.03	.358	9.10	1.859	47.22	.184	4.67
35S	2.198	55.82	2.027	51.48	1.859	47.22	.194	4.94	.218	5.54	.012	0.30	.370	9.40	1.859	47.22	.197	5.00