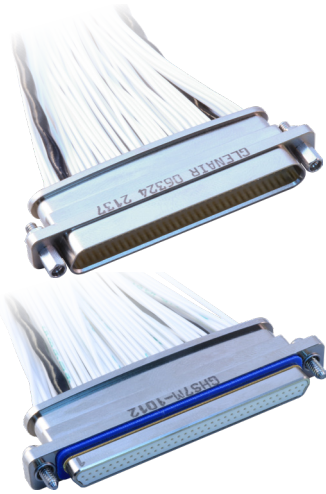


GHSM prewired pin and socket cable connectors:
pigtailed and double-ended assemblies

GHSM



GHSM pin and socket cable assemblies

APPLICATION NOTES

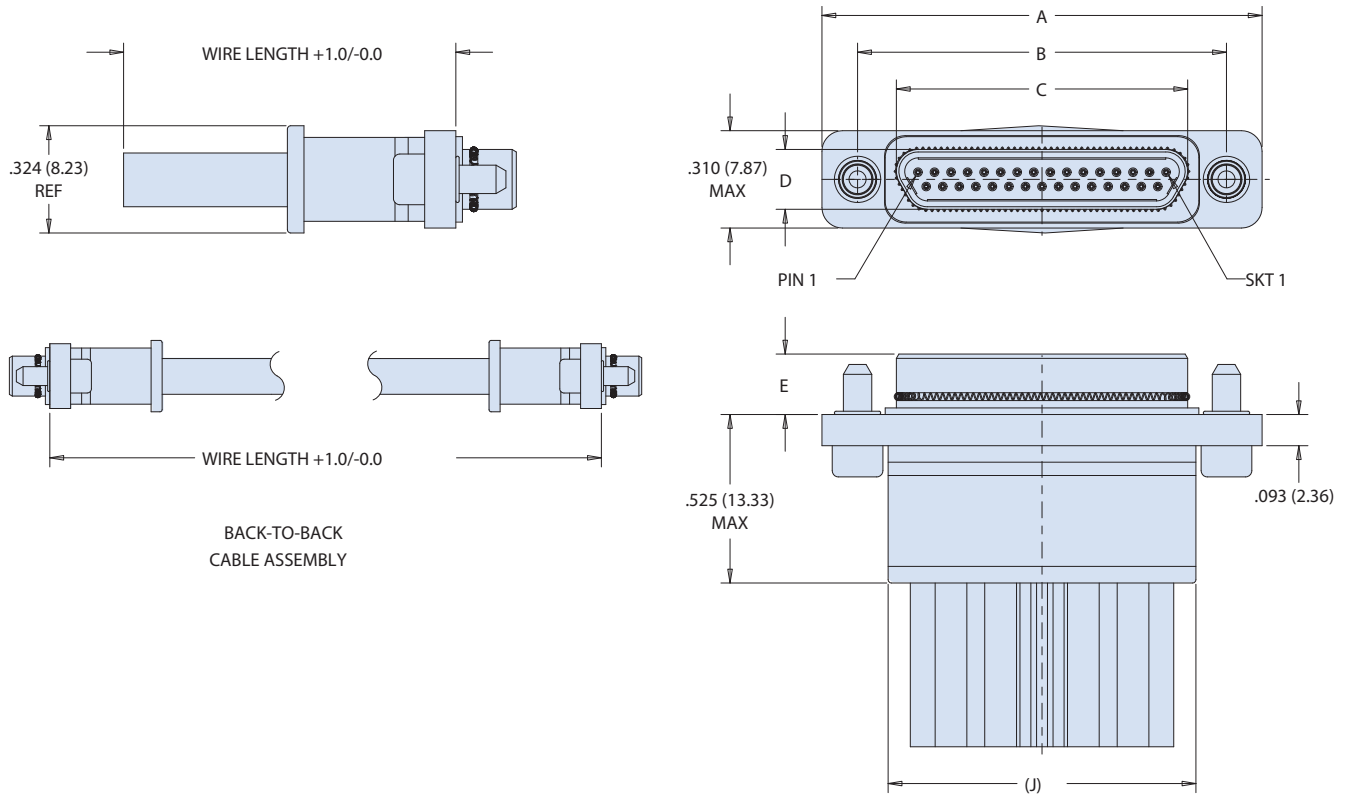
GHSM cable connectors are pre-wired for use with specific high-speed datalink protocols. Each assembly is available as a single-ended wire pigtail or back-to-back jumper, pre-wired with STP cable for dedicated differential data pairs (plus ground wire). Remaining contacts are terminated with standard hook-up wire for low-speed signal or power. Choose the insert arrangement, per the table, that matches the target high-speed protocol.

		How To Order											
Sample Part Number		GHSM	2	R	-31	P	-C	8	J	1	-18	L	A
Series	GHSM = Glenair High-Speed Micro-D, Cable Assembly												
Shell Finish	2 = Nickel 5 = Gold												
Insulator Material	R = PEEK												
Contact Layout*	9, 15, 15E, 15U, 21, 25, 31, 37, 51-2, 67												
Contact Type	P = Pin (Single End Plug) S = Socket (Single End Receptacle) GP = Double End Cable, Pin Connectors Both Ends GS = Double End Cable, Socket Connectors Both Ends CS = Double End Cable, Pin and Socket												
High-Speed Cable Type	C = Glenair Cable 963-057-28 (100 Ohm) Omit for discrete wire only												
Discrete Wire Gage (AWG)	8 = #28 0 = #30 (J Wire Type only)												
Discrete Wire Type	K = M22759/11 600 VRMS Teflon (TFE) J = M22759/33 600 VRMS Modified Cross-Linked Tefzel (ETFE)												
Discrete Wire Color	1 = White 7 = Ten Color Repeating												
Wire Length	Wire Length in Inches, 6 Inch Minimum; 18 = 18 Inches												
Hardware Type	S = Male Jackscrew, Slot Head, Low Profile M = Male Jackscrew, Allen Head, Low Profile L = Male Jackscrew, Allen Head, Non-Removeable P = Female Jackpost Real Panel Jackpost options* R1 = .031" Panel R2 = .047" Panel R3 = .062" Panel R4 = .094" Panel R5 = .125" Panel R6 = .080" Panel *For connector styles with panel O-Ring groove, see series GHSRPM												
Shield and Jacket Option	N = No Shield, No Jacket (Customer to Install) A = Braided Shield Installed (Nickel Over Copper) C = Braided Shield Installed (Nickel Over Copper) with E-CTFE Halar "Expando" Jacket S = 100% Braided Amberstrand Shield Installed T = 100% Braided Amberstrand Shield Installed with E-CTFE Halar "Expando" Jacket V = 75% Braided Amberstrand Shield Installed Z = 75% Braided Amberstrand Shield Installed with E-CTFE Halar "Expando" Jacket W = Armorlite Braided Microfilament Stainless Steel Shield Installed X = Armorlite Braided Microfilament Stainless Steel Shield Installed with E-CTFE Halar "Expando" Jacket												

*Contact Layout follows wiring diagram on page 9. Contact factory if custom wiring diagram is needed.

Hardware Options				
S	M	L	P	R1 - R6
Slot Head Jackscrew	Hex Head Jackscrew	Hex Head Jackscrew Non-Removable	Jackpost	Rear Panel Jackpost <i>See GHSRPM Series for Details</i>

GHSM prewired pin and socket cable connectors:
pigtails and double-ended assemblies



GHSM

Dimensions						
LAYOUT	A MAX	B ±0.003	C MAX	D MAX	E ± 0.003	J REF
9P	0.785 (19.94)	0.565 (14.35)	0.333 (8.46)	0.184 (4.67)	0.183 (4.65)	0.380 (9.65)
9S	0.785 (19.94)	0.565 (14.35)	0.400 (10.16)	0.250 (6.35)	0.195 (4.95)	0.450 (11.43)
15P	0.935 (23.75)	0.715 (18.16)	0.483 (12.27)	0.184 (4.67)	0.183 (4.65)	0.530 (13.46)
15S	0.935 (23.75)	0.715 (18.16)	0.551 (14.00)	0.250 (6.35)	0.195 (4.95)	0.600 (15.24)
21P	1.085 (27.56)	0.865 (21.97)	0.633 (16.08)	0.184 (4.67)	0.183 (4.65)	0.680 (17.27)
21S	1.085 (27.56)	0.865 (21.97)	0.701 (17.81)	0.250 (6.35)	0.195 (4.95)	0.750 (19.05)
25P	1.185 (30.10)	0.965 (24.51)	0.733 (18.62)	0.184 (4.67)	0.183 (4.65)	0.780 (19.81)
25S	1.185 (30.10)	0.965 (24.51)	0.801 (20.35)	0.250 (6.35)	0.195 (4.95)	0.850 (21.59)
31P	1.335 (33.91)	1.115 (28.32)	0.833 (21.16)	0.184 (4.67)	0.183 (4.65)	0.930 (23.62)
31S	1.335 (33.91)	1.115 (28.32)	0.951 (24.16)	0.250 (6.35)	0.195 (4.95)	1.000 (25.40)
37P	1.485 (37.72)	1.265 (32.13)	1.033 (26.24)	0.184 (4.67)	0.183 (4.65)	1.080 (27.43)
37S	1.485 (37.72)	1.265 (32.13)	1.101 (27.97)	0.250 (6.35)	0.195 (4.95)	1.150 (29.21)
51P	1.835 (46.61)	1.615 (41.02)	1.384 (35.15)	0.184 (4.67)	0.183 (4.65)	1.390 (35.31)
51S	1.835 (46.61)	1.615 (41.02)	1.450 (36.83)	0.250 (6.35)	0.195 (4.95)	1.460 (37.08)
67P	2.235 (56.77)	2.015 (51.18)	1.784 (45.31)	0.184 (4.67)	0.183 (4.65)	1.830 (46.48)
67S	2.235 (56.77)	2.015 (51.18)	1.850 (46.99)	0.250 (6.35)	0.195 (4.95)	1.900 (48.26)