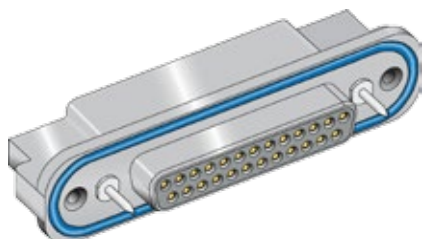


HiPer-D Standard and High-Density Connectors



280-021S panel mount socket connectors with O-ring mounting flange, crimp termination



Rear panel mount HiPer-D socket connectors feature crimp, rear-releaseable size #20 or #22 contacts and a flange O-ring for a watertight panel seal. Intermateable with standard M24308-type D-Subminiature connectors, the HiPer-D features a rugged machined aluminum shell and environmental sealing. #4-40 threaded mounting holes simplify panel attachment. Threaded holes on the rear of the connector allow attachment of HiPer-D EMI backshells. Contacts are packaged with connector. Terminate contacts with crimp tools purchased separately. Glass-reinforced thermoset epoxy insulators, copper alloy retention clips. Connector meets IP67 immersion requirement (mated) . 1000 VAC, 5 Amps (#22) or 7.5 Amps (#20).

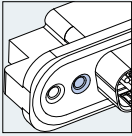
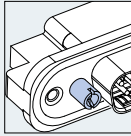
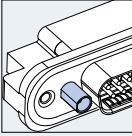
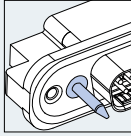
B

Ordering Information				
Sample Part Number	280-021S	2H26	Z2	G
Basic Part Number	280-021S			
Shell Size-Contact Arrangement	Contact Arrangements are shown in the adjacent table			
Shell Finish	ME = Electroless Nickel (RoHS) MT = Nickel-PTFE (RoHS) JF = Cadmium with Yellow Chromate Z2 = Gold (RoHS) Z1 = Passivated Stainless Steel (RoHS)			
Mating Hardware	N = No Hardware (supplied with #8-32 tapped holes) P = #4-40 Female Jackposts G = Male Guide Pins B = Female Guide Bushings			

Shell Size - Contact Arrangements		
Shell Size-Contact Arr.	Contact Size and Qty	
	#20	#22
Standard Density		
1S9	9	
2S15	15	
3S25	25	
4S37	37	
5S50	50	
High Density		
1H15		15
2H26		26
3H44		44
4H62		62
5H78		78
6H104		104

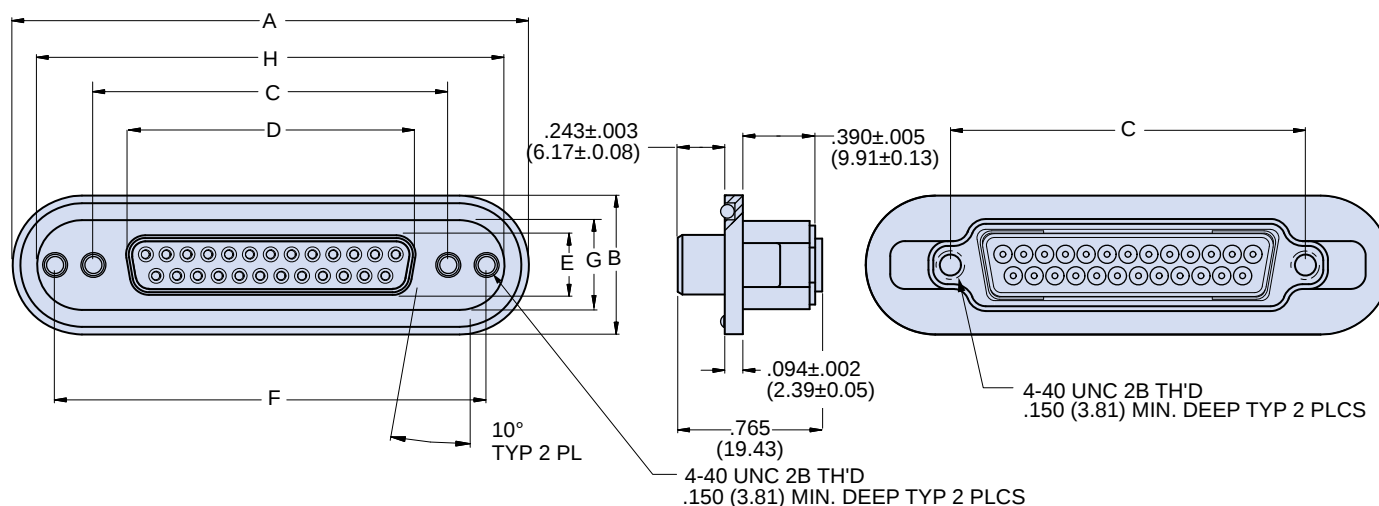
Materials and Finishes	
Shell	Aluminum alloy
Contacts	Copper alloy, 50 microin. gold plated
Insulators	Thermoset epoxy
Retention Clips	Copper alloy
O-ring, Grommet	Fluorosilicone rubber
Hardware	300 series stainless steel

Specifications	
Current Rating	#22 5 AMPS, #20 7.5 AMPS
Test Voltage	1000 VAC RMS
Insulation Resistance	5000 megohms minimum
Operating Temperature	-65° C. to +200° C.
Ingress Protection	IP 67
Shock	300 g.
Vibration, Random	43.92 g.

Mating Hardware	
N No Hardware #8-32 tapped hole 	P #4-40 Female Jackposts 
B Female Guide Bushings 	G Male Guide Pins 

280-021S panel mount socket connectors with O-ring mounting flange, crimp termination

280-021S DIMENSIONS



Shell Size	A		B		C Basic		D		E		F Basic		G		H	
	in	mm	in	mm	in.	mm	in	mm	in	mm	in	mm	in	mm	in	mm
1	1.865	47.37	.725	18.42	.984	24.99	.643	16.33	.311	7.90	1.424	36.17	.469	11.91	1.609	40.87
2	2.200	55.88	.725	18.42	1.312	33.32	.971	24.66	.311	7.90	1.752	44.50	.469	11.91	1.944	49.38
3	2.736	69.49	.725	18.42	1.852	47.04	1.511	38.38	.311	7.90	2.292	58.22	.469	11.91	2.480	62.99
4	3.385	85.98	.725	18.42	2.500	63.50	2.159	54.84	.311	7.90	2.940	74.68	.469	11.91	3.129	79.48
5	3.289	83.54	.837	21.26	2.406	61.11	2.064	52.43	.423	10.74	2.846	72.29	.581	14.76	3.033	77.04
6	3.383	85.93	.899	22.83	2.500	63.50	2.189	55.60	.485	12.32	2.940	74.68	.643	16.33	3.127	79.43

NOTES

- HiPer-D connectors are available with a wide variety of materials and finishes. See [About Series 28 HiPer-D Shell Plating Options](#) for additional choices. Glenair offers the industry's widest selection of plating and material choices with no setup charge, no minimum order quantity and no schedule impact.
- For panel cutout dimensions, refer to [Panel Cutouts and Printed Circuit Board Footprints](#).
- Connectors are supplied with crimp contacts per M39029. Contacts are not installed. Refer to [HiPer-D Contacts and Crimp Tools](#) for contact part numbers, specifications, crimp tool information, and insertion/extraction tools.
- HiPer-D connectors meet the requirements of MIL-DTL-24308 and are intermateable with standard M24308-type D-Subminiature connectors with corresponding contact arrangements and type.
- Additional electrical, mechanical and environmental specifications are listed in [HiPer-D Product Specification](#).