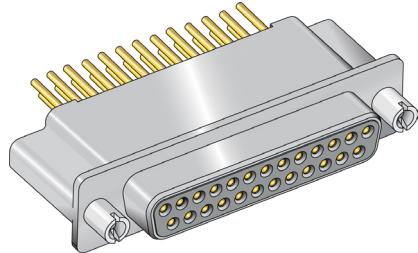


280-027S straight PC tail socket connectors with low profile mounting flange



Low profile HiPer-D® straight PC tail socket connectors feature non-removable size #20 or #22 contacts. Intermateable with standard M24308-type D-Subminiature connectors, the HiPer-D® features a rugged machined shell and waterproof sealing for improved resistance to electromagnetic interference. Threaded holes on the rear of the connector allow attachment to circuit board. Contacts are potted with epoxy. Aluminum shell. Glass-reinforced thermoset epoxy insulators. 1000 VAC, 5 Amps (#22) or 7.5 Amps (#20).

How To Order							
Sample Part Number		280-027S	C	3S25	ME	N	A
Basic Part Number		280-027S					
Shell Style		C = Compact Flange (Omit for Standard Shell)					
Shell Size-Contact Arrangement		See Shell Size - Contact Arrangements Table					
Shell Finish		ME = Electroless Nickel Over Aluminum MT = Nickel Fluorocarbon Over Aluminum Z1 = Passivated Stainless	ZM = Electroless Nickel Over Stainless JF = Yellow Chromate Over Cadmium				
Mating Hardware		N = None (Tapped) S = Captive Jackscrew	P = Female Jack-Post L = Captive Jackscrew (S and L For Use Only with Compact Flange Shell Option)				
PC Tail Length		A = .125 (3.18) E = .165 (4.19)	B = .250 (6.35) F = .188 (4.78)	C = .375 (9.52)	D = .150 (3.81) G = .425 (10.80)		

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

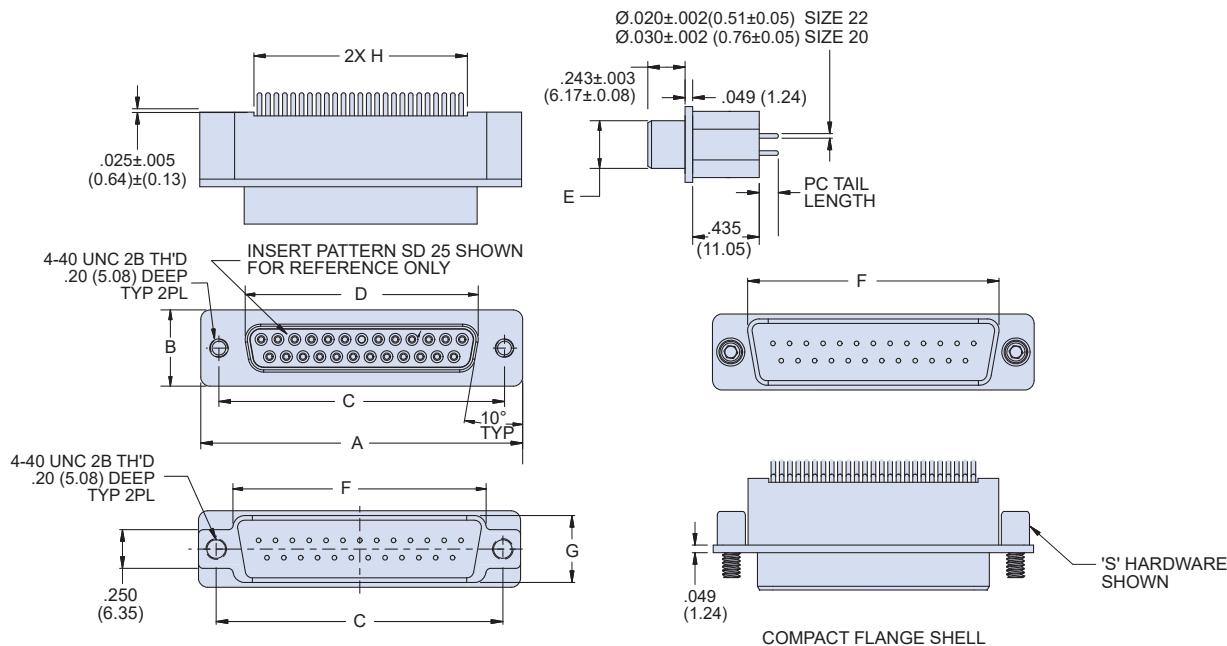
Mating Hardware	
N No Hardware #4-40 Female Threads in Mounting Holes	
Choose this option for rear panel mounting and order jackpost kit 289-016 separately.	
P #4-40 Female Jackposts	

Materials and Finishes	
Shell	Aluminum alloy
Contacts	Copper alloy, 50 microinches gold plated
Insulator	Thermoset epoxy
Potting Compound	Epoxy
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.

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280-027S DIMENSIONS



Shell Size	Insert Pattern	A		B		C		D		E		F		G		H	
		in ±.015	mm ±0.38	in ±.015	mm ±0.38	in ±.015	mm ±0.38	in ±.005	mm ±0.13								
1	SD 9	1.213	30.81	.494	12.55	.984	24.99	0.643	16.33	0.311	7.90	0.769	19.53	0.432	10.97	0.520	13.21
	HD 15																
2	SD 15	1.541	39.14	.494	12.55	1.312	33.32	0.971	24.66	0.311	7.90	1.093	27.76	0.432	10.97	0.844	21.44
	HD 26																
3	SD 25	2.088	53.04	.494	12.55	1.852	47.04	1.511	38.38	0.311	7.90	1.635	41.53	0.432	10.97	1.386	35.20
	HD 44																
4	SD 37	2.729	69.32	.494	12.55	2.500	63.50	2.159	54.84	0.311	7.90	2.282	57.96	0.432	10.97	2.034	51.66
	HD 62																
5	SD 50	2.635	66.93	.605	15.37	2.406	61.11	2.064	52.43	0.423	10.74	2.188	55.58	0.544	13.82	1.887	47.93
	HD 78																
6	HD 104	2.729	69.32	.668	16.97	2.500	63.50	2.189	55.60	0.486	12.34	2.312	58.72	0.606	15.39	1.990	50.55

NOTES

1. Contacts are factory-installed, non-removable and are potted with epoxy.
2. 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.
3. For panel cutout dimensions, refer to [Panel Cutouts and Printed Circuit Board Footprints](#).
4. For printed circuit board mounting dimensions, refer to [Panel Cutouts and Printed Circuit Board Footprints](#).
5. 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.
6. Additional electrical, mechanical and environmental specifications are listed in [HiPer-D® Product Specification](#).