

280-019S

Series 28 HiPer-D Socket Connectors

for Cable Termination

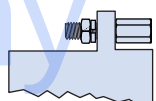
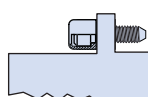
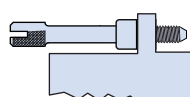
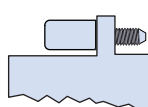
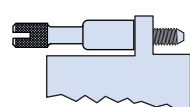


Cable
Connectors

HiPer-D Socket Connectors with Crimp Contacts



HiPer-D socket connectors feature crimp, rear-releaseable size #20 or #22D contacts. Intermateable with standard M24308-type D-Subminiature connectors, the HiPer-D features a rugged machined aluminum shell and waterproof sealing. Gold-plated size #20 contacts conform to M39029/63-368 and accept #20 to #24 AWG wire. Gold-plated size #22D contacts conform to M39029/57-354 and accept #22 to #28 AWG wire. Contacts are packaged with connector. Terminate contacts with crimp tools purchased separately. Glass-reinforced thermoset epoxy insulators, copper alloy retention clips. Fluorosilicone rear grommet meets IP67 immersion requirement. Shell has backshell attachment groove. 1000 VAC, 5 Amps (#22D) or 7.5 Amps (#20).

HOW TO ORDER				
Sample Part Number				
280-019S	2H26	MT	N	
Part Number	Shell Size - Insert Arr.	Shell Material/Finish	Hardware Option	
280-019S HiPer-D Cable Connector With Socket Contacts	Standard Density #20 Contacts	ME Aluminum with Electroless Nickel Finish <i>general purpose applications, excellent conductivity</i>	 N Thru-Hole No Hardware	 P Female Jackpost
	Layout			
	1S9	MT Aluminum with Nickel-PTFE Finish <i>1000 Hour Grey™ maximum corrosion protection,durability, and excellent conductivity (non-reflective grey)</i>	 L Low-Profile Captivated Jackscrew, Hex Head	 K Slot-Head Extended Jackscrew
	2S15			
	3S25			
	4S37			
	5S50			
	High Density #22D Contacts	JF Aluminum with Cadmium, Yellow Chromate <i>for severe environments, excellent conductivity</i>	 S Low-Profile Captivated Jackpost, Hex Head	 T Slot-Head Extended Captivated Jackpost
	Layout			
	1H15			
	2H26			
	3H44			
	4H62			
	5H78			
	6H104			

SPECIFICATIONS	
Current Rating	#22D 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.

MATERIALS AND FINISHES	
Shell	Aluminum alloy
Contacts	Copper alloy, 50 microinches gold plated
Insulators	Thermoset epoxy
Retention Clips	Beryllium copper alloy
Grommet and Seal	Fluorosilicone rubber
Hardware	300 series stainless steel

Dimensions in inches (millimeters) and are subject to change without notice.

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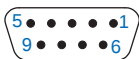
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E-Mail: sales@glenair.com

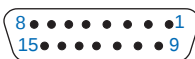


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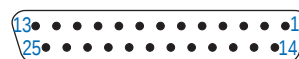
HIPER-D CONTACT ARRANGEMENTS: STANDARD DENSITY, #20 CONTACTS



1S9
9 #20 Contacts



2S15
15 #20 Contacts

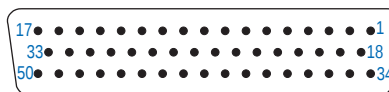


3S25
25 #20 Contacts



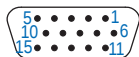
4S37
37 #20 Contacts

Mating face of
socket connector.

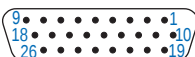


5S50
50 #20 Contacts

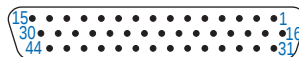
HIPER-D CONTACT ARRANGEMENTS: HIGH DENSITY, #22D CONTACTS



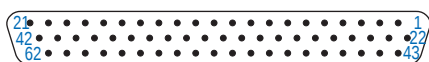
1H15
15 #22D Contacts



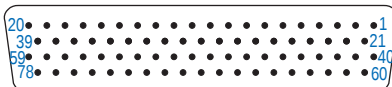
2H26
26 #22D Contacts



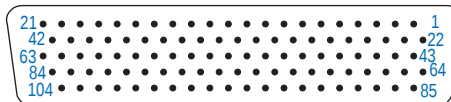
3H44
44 #22D Contacts



4H62
62 #22D Contacts

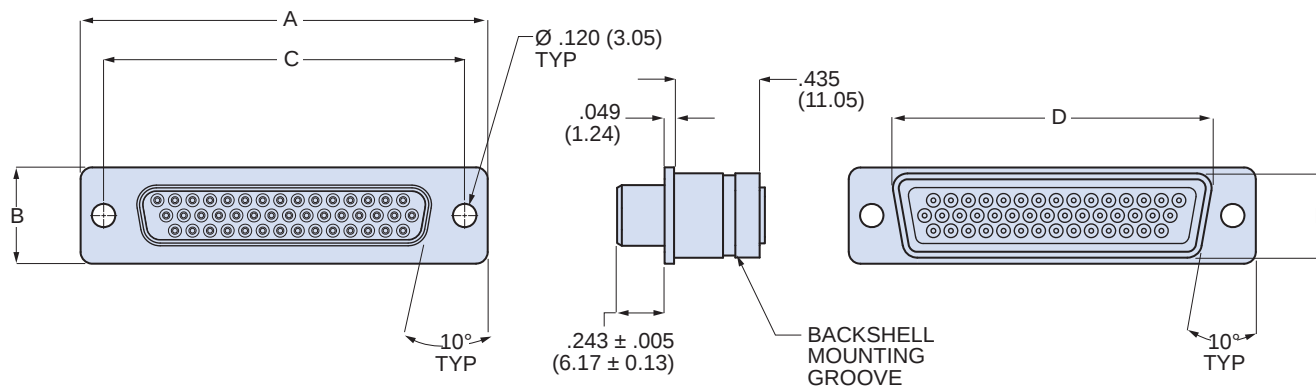


5H78
78 #22D Contacts



6H104
104 #22D Contacts

Mating face of socket connector.



280-019S DIMENSIONS

Shell Size	A		B		C Basic		D		E	
	in ± .015	mm ± 0.38	in ± .015	mm ± 0.38	in. ± .005	mm ± 0.13	in ± .005	mm ± 0.13	in ± .005	mm ± 0.13
1	1.213	30.81	.494	12.55	.984	24.99	.769	19.53	.432	10.97
2	1.541	39.14	.494	12.55	1.312	33.32	1.093	27.76	.432	10.97
3	2.088	53.04	.494	12.55	1.852	47.04	1.635	41.53	.432	10.97
4	2.729	69.32	.494	12.55	2.500	63.50	2.282	57.96	.432	10.97
5	2.635	66.93	.605	15.37	2.406	61.11	2.188	55.58	.544	13.82
6	2.729	69.32	.668	16.97	2.500	63.50	2.312	58.72	.606	15.39

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