

## 286-078S HiPer-D socket connector to AlphaLink® SL flex jumper



### HIPER-D FLEX JUMPERS

High-reliability HiPer-D MIL-DTL-24308 intermateable/ intermountable rectangular connectors in 6 contact arrangements, terminated with rugged polyimide-based flex to high-performance AlphaLink® SL board level connectors.

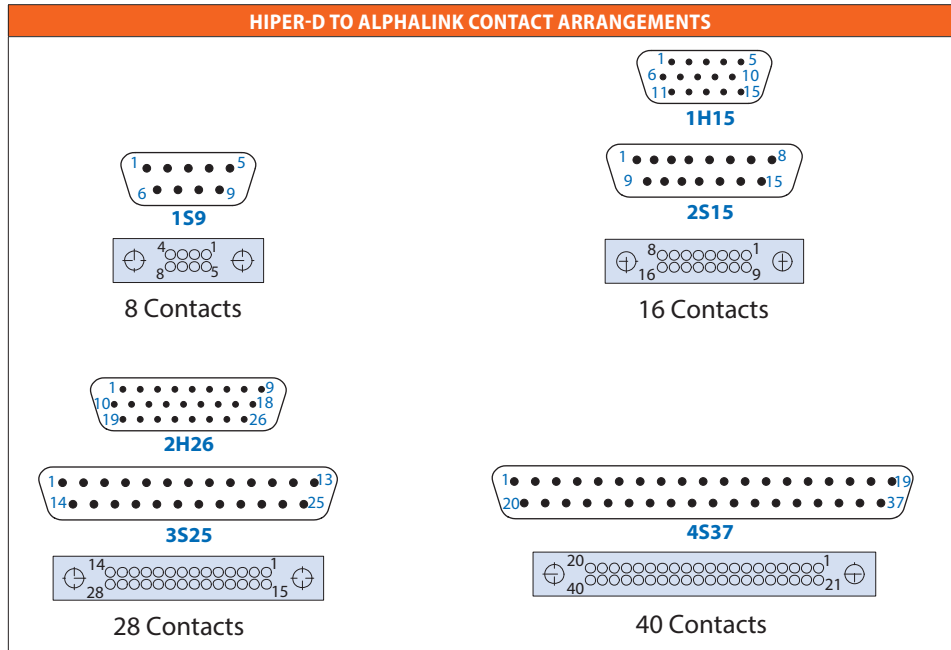
### FLEX PERFORMANCE

- EMI shielding film will be used when shielding option is chosen
- Bend radius is 6 to 10 X flex thickness.
- Typical flex will be .01 ± .005 thick, rugged, potted, polyimide-based flex.
- Workmanship shall be IAW IPC-6013, Class 2.

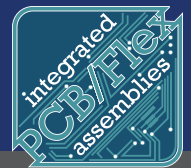
### NOTES

- I/O Series 28 HiPer-D right-angle socket-contact connector, rear panel mount with O-ring environmental seal (280-025)
- Contacts mapped 1-to-1 from I/O to B/L connector (unused B/L contacts not connected). For alternative wire schedules, please consult factory.
- Unused Cavities in connectors to be populated with contacts.
- B/L AlphaLink® SL interface dimensions IAW Glenair drawing 171-134-02. Interface shown for reference.

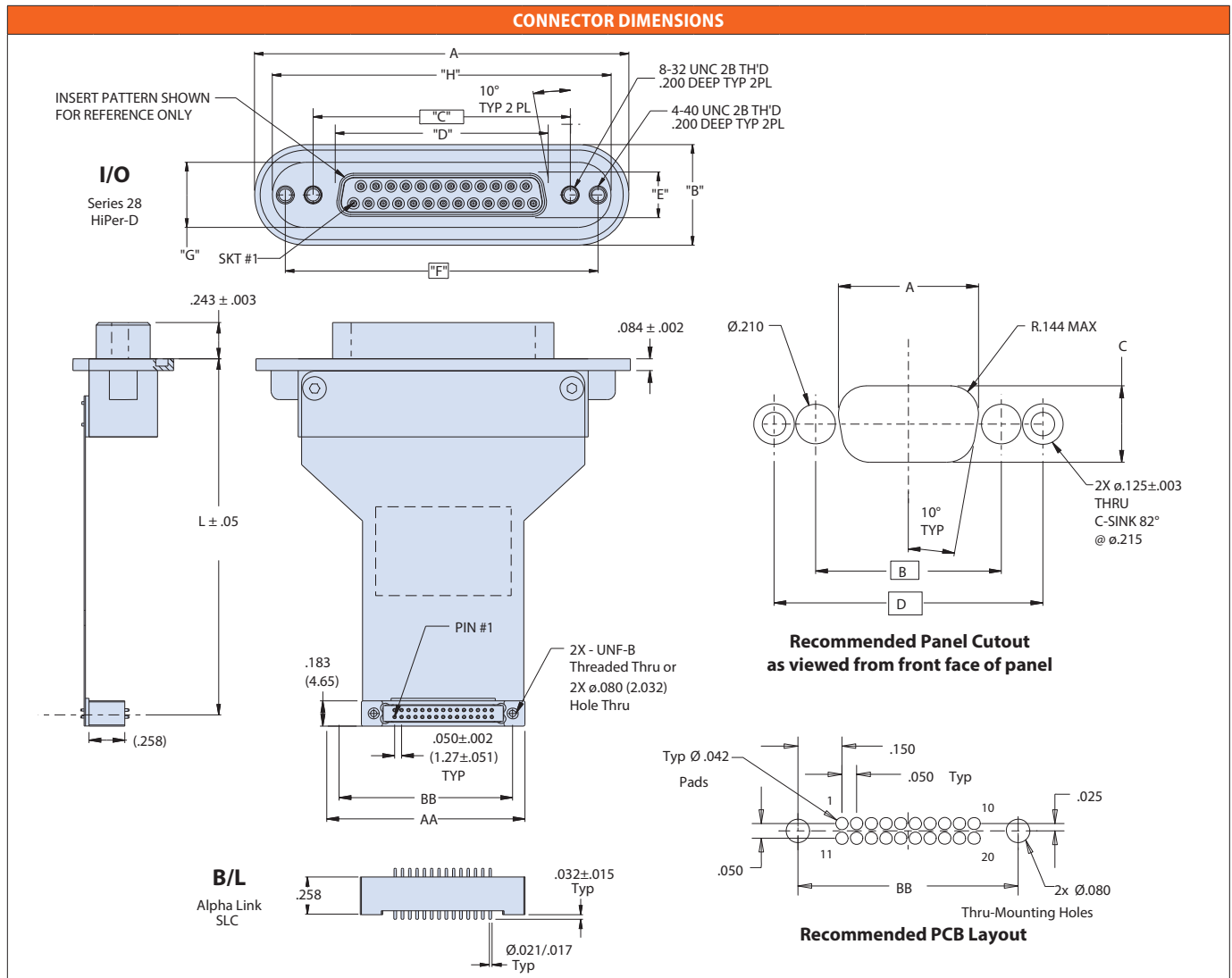
HOW TO ORDER	
Sample Part Number	286-078S -3525 ME N -2 T -6 S
Basic Part Number	HiPer-D pin connector to Series 171 AlphaLink® SL
I/O Insert Arrangement	1S9, 1H15, 2S15, 2H26, 3S25, 4S37
I/O Shell Material/ Finish	ME = Aluminum / Electroless Nickel Z1 = Stainless Steel / Passivated ZM = Stainless Steel / Electroless Nickel JF = Aluminum / Yellow Chromate over Cadmium
I/O Hardware Option	N = None (Tapped Hole) P = Female Jackpost G = Guide Pin B = Guide Bushing
AlphaLink® Finish	2 = Nickel 5 = Gold
AlphaLink® Hardware Option	T = Threaded thru hole Omit for thru hole
Assembly Length (L)	3 = 3.00 ± .05 inches 6 = 6.00 ± .05 inches 12 = 12.00 ± .05 inches
Optional Shielding	S = With shielding Omit for none



# TURNKEY Flex Jumper Assemblies



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HIPER-D I/O CONNECTOR										ALPHALINK SL BOARD CONNECTOR		
Shell Size	Insert Pattern	A ± .015	B ± .015	C Basic	D ± .005	E ± .005	F Basic	G ± .015	H ± .015	Size	AA	BB
1	S9	1.865 (47.4)	0.725 (18.4)	0.984 (25.0)	0.643 (16.3)	0.311 (7.9)	1.424 (36.2)	0.469 (11.9)	1.609 (40.9)	8	.627 (15.9)	.450 (11.4)
	H15											
2	S15	2.200 (55.9)	0.725 (18.4)	1.312 (33.3)	0.971 (24.7)	0.311 (7.9)	1.752 (44.5)	0.469 (11.9)	1.944 (49.4)	16	.827 (21.0)	.650 (16.5)
	H26											
3	S25	2.736 (69.5)	0.725 (18.4)	1.852 (47.0)	1.511 (38.4)	0.311 (7.9)	2.292 (58.2)	0.469 (11.9)	2.480 (63.0)	28	1.127 (28.6)	.950 (24.1)
4	S37	3.385 (86.0)	0.725 (18.4)	2.500 (63.5)	2.159 (54.8)	0.311 (7.9)	2.940 (74.7)	0.469 (11.9)	3.129 (79.5)	40	1.427 (36.2)	1.250 (31.8)