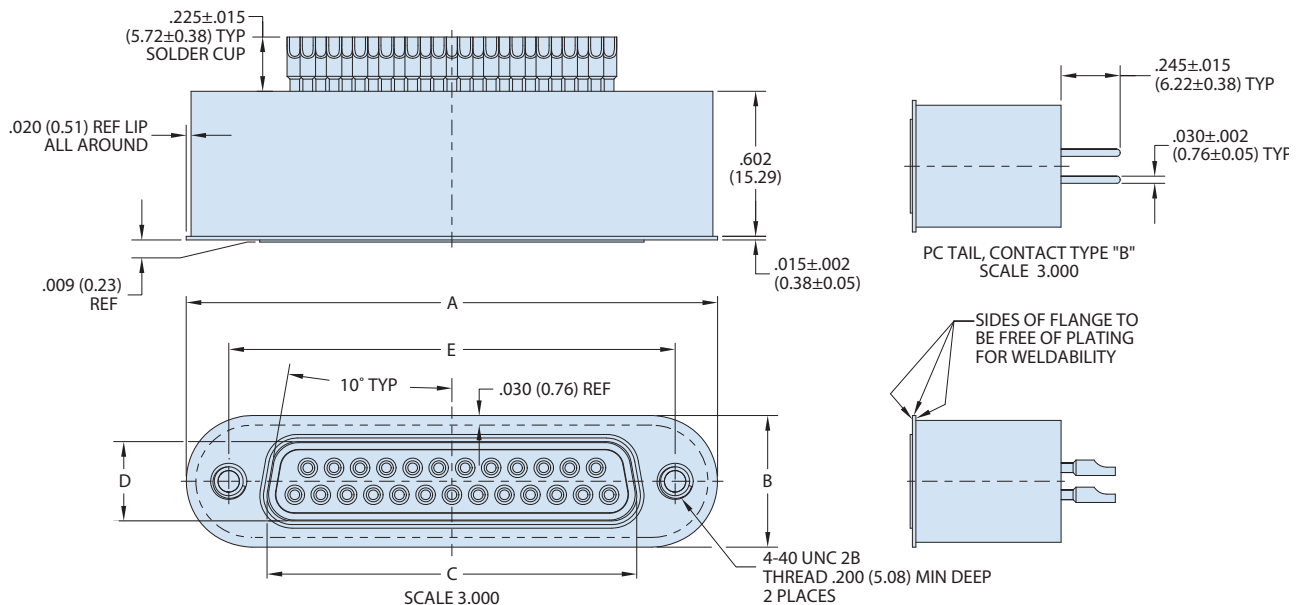


# SERIES 28 • MIL-DTL-24308 TYPE HiPer-D<sup>®</sup> Hermetic Connectors



## 287-725 CODE RED, Lightweight Hermetically Sealed, D-Sub Top Flanged Laser Weldable

Part Number Development					
Sample Part Number	287-725	P	3S25	ME	A
Series	287-725 = Code Red, Lightweight Hermetically Sealed, D-Sub Top Flanged Laser Weldable				
Class	P = Pin Contacts				
Shell Size/Insert Arrangements	See Insert Arrangements table				
Shell Finish	ME = Electroless Nickel				
Contact Type	A = Solder Cup    B = PC Tail, .245"				



Dimensions					
Shell Size	Dim A ±.002	Dim B ±.002	Dim C ±.005	Dim D ±.005	Dim E ±.005
1	1.337 (33.96)	.546 (13.87)	.666 (16.92)	.329 (8.36)	.984 (24.99)
2	1.665 (42.29)	.546 (13.87)	.994 (25.25)	.329 (8.36)	1.312 (33.32)
3	2.205 (56.01)	.546 (13.87)	1.534 (38.96)	.329 (8.36)	1.852 (47.04)
4	2.854 (72.49)	.546 (13.87)	2.182 (55.42)	.329 (8.36)	2.500 (63.50)
5	2.760 (70.10)	.658 (16.71)	2.079 (52.81)	.441 (11.20)	2.406 (61.11)

### MATERIALS / FINISHES

1. Shell: aluminum alloy 4032 / see part number development
2. Insulators: high grade rigid dielectric
3. Interfacial seal: fluorosilicone
4. Contact: copper alloy / gold over nickel
5. Sealing compound: polymer-based potting

### PERFORMANCE

1. Operating temperature range: -65°C to +125°C
2. Leak rate: 1x10<sup>-7</sup> cc/s max helium, 1 atm
3. IR: 5,000 megohms min @ 500 VDC
4. DWV: 750 VAC

### Standard Density Insert Arrangements (With #20 Contacts)

Layout	Contact Quantity
1S9	9
2S15	15
3S25	25
4S37	37
5S50	50