287-586 Code Red D-Subminiture Lightweight Hermetic Rear Panel Mount Connector Receptacle with Solder Cup Contacts

Part Number Development

Sample Part Number	287-586	P	3S25	ME	G	N
Series - Basic Part No.	**287-586** = CODE-RED Lightweight Hermetic, MIL-DTL-24308 Type					
Contact		**P** = Pin				
Shell Size/Insert Arrangements			See Table			
Shell Finish				**ME** = Electroless Nickel Over Aluminum **Z1** = Passivated Stainless **ZM** = Electroless Nickel Over Stainless **JF** = Yellow Chromate Over Cadmium		
Grounding Options					**G** = EMI/Grounding **N** = None	
Hardware Options						**N** = None (Tapped Hole) **P** = Female Jackpost **G** = Guide Pin **B** = Guide Bushing

MATERIALS/FINISHES:

- Shell - see part number development
- Inserts - thermoset epoxy
- Contacts - copper alloy/gold over nickel
- Interfacial seal - fluorosilicone silicone blend
- Oring seal - fluorosilicone
- Hardware - passivated stainless steel
- Sealing compound - polymer encapsulant

NOTES

- See 289-059 for insert arrangement details. See 289-018 for panel cutout recommendations
- Performance:
  - Dielectric withstanding voltage - 1000 volts
  - Insulation resistance - 5000 megohms min @ 500 vdc
  - Operating temperature range: -65°C to +200°C
  - Leak rate: 1x10-7 cc/s max helium, 1 atm

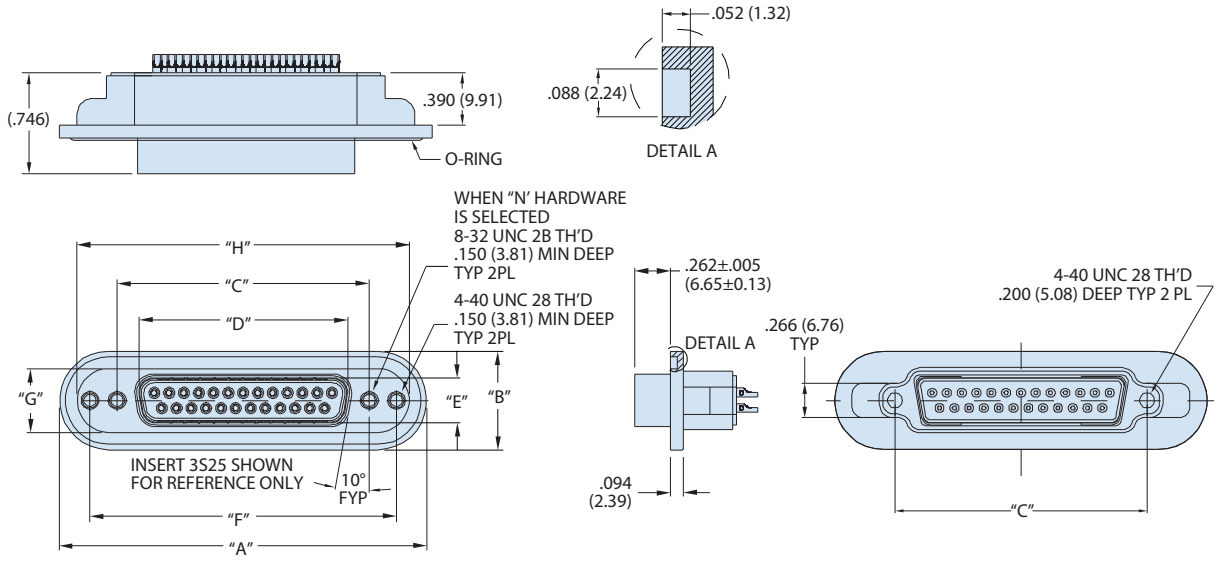
Shell Size/Insert Arrangement

Standard Density (With #220 Contacts)	
Layout	**Contact Quantity**
1S9	9
2S15	15
3S25	25
4S37	37
5S50	50

High Density (With #220 Contacts)	
1H15	15
2H26	26
3H44	44
4H62	62
5H78	78
6H104	104

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

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Dimensions									
Shell Size	Insert Pattern	"A" ±.015	"B" ±.015	"C" ±.005	"D" ±.005	"E" ±.005	"F" ±.005	"G" ±.015	"H" ±.015
1	SD 9 HD 15	1.865 (47.37)	.725 (18.42)	.984 (24.99)	.666 (16.92)	.329 (8.36)	1.424 (36.17)	.469 (11.91)	1.609 (40.87)
2	SD 15 HD 26	2.200 (55.88)	.725 (18.42)	1.312 (33.32)	.994 (25.25)	.329 (8.36)	1.752 (44.50)	.469 (11.91)	1.944 (49.38)
3	SD 25 HD 44	2.736 (69.49)	.725 (18.42)	1.852 (47.04)	1.534 (38.96)	.329 (8.36)	2.292 (58.22)	.469 (11.91)	2.480 (62.99)
4	SD 37 HD 62	3.385 (85.98)	.725 (18.42)	2.5 (63.50)	2.182 (55.42)	.329 (8.36)	2.940 (74.68)	.469 (11.91)	3.129 (79.48)
5	SD 50 HD 78	3.289 (83.54)	.837 (21.26)	2.406 (61.11)	2.079 (52.81)	.441 (11.20)	2.846 (72.29)	.581 (14.76)	3.033 (77.04)
6	HD 104	3.383 (85.93)	.899 (22.83)	2.5 (63.50)	2.212 (56.18)	.503 (12.78)	2.940 (74.68)	.643 (16.33)	3.127 (79.43)

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