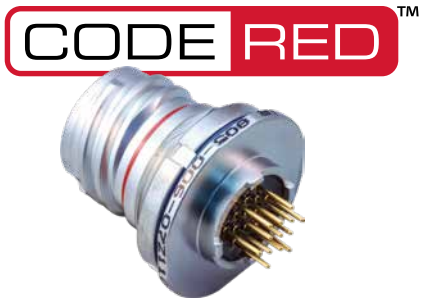
Code Red Lightweight, Hermetic Jam-Nut Receptacle with PC Tails or Solder Cup Contacts



Series 805 Code Red Hermetic Receptacles feature solder cup contacts for direct wire attachment or PC tails for PC board termination. Signature encapsulant allows for use of standard gold plated, copper alloy pin and and socket contacts with better electrical performance over traditional hermetic nickel-iron contacts. Light weight, aluminum shells styles include square flange, solder mount, jam-nut, and weld mount. Connectors are 100% tested to meet 1 X 10^{-7} ccHe/sec at 1 atm helium leak rate. Contacts are non-removable, back potted, and parylene compatible. Consult factory for hybrid shielded contact / coax arrangements.

NOTES

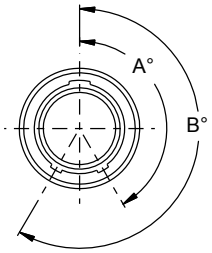
1. This connector mates with all 805 plug connectors with same polarization and opposite contact gender 805-001, 805-002, and 805-061
2. Connector shall not be used in liquid environment
3. Temperature range: -65°C to +200°C
4. Hermeticity is less than 1 X 10^-7 ccHe/ second at one atmosphere
5. DWV: 750 VAC @ sea level
6. IR: 5,000 megohms @ 500 VDC minimum, at room temperature
7. Sealing compound employed has been tested and meets all applicable performance requirements of MIL-DTL-38999/23. See Glenair test report GT-16-233
8. See page J-11 for recommended panel cut-outs
9. Material/Finish:

- Shell, jam-nut: aluminum alloy / nickel plate
- Insulator: high grade rigid electric
- Elastomer: fluorosilicone
- O-ring: butyl / N.A.
- Contacts: copper alloy / gold plate
- Seal compound: epoxy and silicone base encapsulant

How To Order					
Sample Part Number	805-140	ME	13-37	P	A
Series	**805-140-07** = Code Red Light Weight Hermetic Connector				
Material and Finish	**ME** = Aluminum Alloy / Nickel Plate				
Shell Size - Insert Arrangement	See Contact Arrangements pages M-8 thru M-32				
Contact Type Jam-Nut Side	**P** = Pin, PC Tail **S** = Socket, PC Tail	**E** = Pin, Solder Cup **F** = Socket, Solder Cup			
Polarization (See Table II)	**A** = Normal **B** = Pos. B **C** = Pos. C **D** = Pos. D **E** = Pos. F **F** = Pos. F				

*Power and signal contacts only. For shielded contact applications, consult factory.

Table II: Key Positions

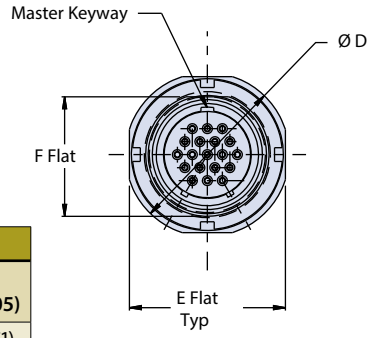


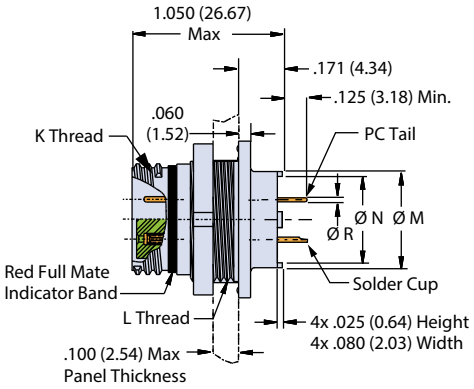
Position	A	B
A (Normal)	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

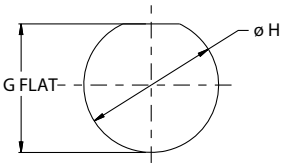
© 2022 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324 • Mighty Mouse Catalog
Dimensions in inches (millimeters) are subject to change without notice

Code Red Lightweight, Hermetic Jam-Nut Receptacle with PC Tails or Solder Cup Contacts

JAM-NUT MOUNT RECEPTACLE - SHELL STYLE 07







Recommended Panel Cutout
-07 Jam-Nut, Rear Panel Mount

PC Tails	
Contact Size	**Ø R ±.002 (.05)**
#23	.020 (0.51)
#20	.026 (0.66)
#16	.062 (1.57)
#12	.094 (2.39)

Dimensions									
Shell Size	Ø D	E Flat	F Flat	K Thread	L Thread	Ø M	Ø N Min	Jam-Nut Cutout	
								G Flat	Ø H
8	.760 (19.30)	.730 (18.54)	.535 (13.59)	.5000 -.1P-.3L-TS	.5625 -28 UN-2A	.330 (8.38)	.230 (5.84)	.545 (13.84) .541 (13.74)	.572 (14.53) .567 (14.40)
9	.880 (22.35)	.850 (21.59)	.661 (16.79)	.5625 -.1P-.3L-TS	.6875 -28 UN-2A	.432 (10.97)	.322 (8.18)	.671 (17.04) .667 (16.94)	.698 (17.73) .693 (17.60)
10	.880 (22.35)	.850 (21.59)	.661 (16.79)	.6250 -.1P-.3L-TS	.6875 -28 UN-2A	.493 (12.52)	.386 (9.80)	.671 (17.04) .667 (16.94)	.698 (17.73) .693 (17.60)
11	.955 (24.26)	.925 (23.50)	.721 (18.31)	.6875 -.1P-.3L-TS	.7500 -28 UN-2A	.553 (14.05)	.442 (11.23)	.731 (18.57) .727 (18.47)	.760 (19.30) .755 (19.18)
12	1.060 (26.92)	1.035 (26.29)	.784 (19.91)	.7500 -.1P-.3L-TS	.8125 -28 UN-2A	.620 (15.75)	.513 (13.03)	.794 (20.17) .790 (20.07)	.822 (20.88) .817 (20.75)
13	1.120 (28.45)	1.090 (27.69)	.843 (21.41)	.8125 -.1P-.3L-TS	.8750 -28 UN-2A	.661 (16.79)	.554 (14.07)	.853 (21.67) .849 (21.56)	.885 (22.48) .880 (22.35)
15	1.203 (30.56)	1.173 (29.79)	.970 (24.64)	.9375 -.1P-.3L-TS	1.0000 -28 UN-2A	.703 (17.86)	.594 (15.09)	.980 (24.89) .976 (24.79)	1.3010 (33.05) 1.005 (25.53)
18	1.389 (35.28)	1.359 (34.52)	1.147 (29.13)	1.1250 -.1P-.3L-TS	1.1875 -28 UN-2A	.863 (21.92)	.750 (19.05)	1.157 (29.39) 1.153 (29.29)	1.198 (30.43) 1.193 (30.30)
19	1.450 (36.83)	1.420 (36.07)	1.221 (31.01)	1.1875 -.1P-.3L-TS	1.2500 -28 UN-2A	.912 (23.16)	.805 (20.45)	1.231 (31.27) 1.227 (31.17)	1.260 (32.00) 1.255 (31.88)
21	1.58 (40.13)	1.550 (39.37)	1.350 (34.29)	1.3125 -.1P-.3L-TS	1.3750 -28 UN-2A	1.017 (25.83)	.910 (23.11)	1.360 (34.54) 1.356 (34.44)	1.385 (35.18) 1.380 (35.05)
23	1.705 (43.31)	1.675 (42.55)	1.470 (37.34)	1.4375-.1P-.3L-TS	1.5000 -28 UN-2A	1.162 (29.51)	1.050 (26.67)	1.480 (37.59) 1.476 (37.49)	1.510 (38.35) 1.505 (38.23)

© 2022 Glenair, Inc • 1211 Air Way, Glendale, CA 91201 • 818-247-6000 • www.glenair.com • U.S. CAGE code 06324 • Mighty Mouse Catalog

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