

SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Glass-to-Metal Seal Hermetic Receptacle; Size 12 or 16 PC Tail Coax Contacts/Threaded Standoffs



Series 805 Hermetic Receptacles feature gold plated nickel-iron alloy contacts and compression glass dielectric material. Threaded standoff for board washout and robust attachment to PC board. 100% tested to meet 1×10^{-7} ccHe/sec @ 1 atm helium leak rate. Stainless steel connector shell provides excellent corrosion protection. Rear panel mount square flange and jam-nut configurations available. Co-ax contacts available for size 12 and 16 contact arrangements only.

NOTES

- Performance Test Criteria:
 - Hermeticity: less than 1×10^{-7} ccHe/sec @ 1 atmosphere delta pressure
 - D.W.V.: per DWV rating table
 - I.R.: 5000 megohms Min @500 Vdc
- Receptacle mates with Glenair 805 style plug connectors with same size, polarization, and opposite contact gender.
- Combo arrangements available with #16 and #12 (no size #8). All #16 and #12 will be coax
- See PCB footprints referenced in section B, page 8.
- See page J-11 for recommended panel cut-outs
- Material/Finish
 - Shell, jam-nut: CRES see part number development / N.A.
 - Contacts hermetic: nickel alloy/gold plate
 - Contacts, socket: copper alloy/gold plate
 - Hood, sockets: CRES/passivate
 - Insulator, hermetic: full glass / N.A.
 - Insulator, socket: high-grade dielectric / N.A.
 - Seals and o-rings: fluorosilicone blend / N.A.

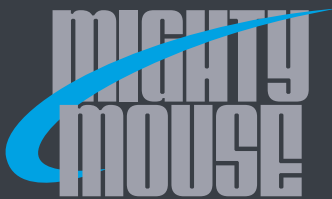
How To Order							
Sample Part Number	805-132	-07	Z1	15-5	C	A	-50
Series	805-132 = Hermetic Receptacle						
Shell Style (See Table I)	-02 = Square Flange Mount -07 = Jam -Nut, Rear Panel Mount						
Shell Material and Finish	Z1 = Stainless Steel / Passivated ZL = Stainless Steel / Nickel Plated						
Shell Size - Insert Arrangement	See Contact Arrangements page J-6, Contact size 16 and 12 only						
Contact Type	C = P.C. Therm., Pin D = P.C. Therm., Socket						
Keyway Position (See Table II)	A = Pos. A B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F						
Nominal Impedance	50 = 50 OHM (#12 & 16) 75 = 75 OHM (#12 ONLY)						

Table I: Shell Style	
-07 Jam-Nut, Rear Panel Mount	-02 Square Flange

Polarization		
Position	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

PC Tail	
Contact Size	ØT ±.002 Tail Dia
23	.020 (0.51)
20	.030 (0.76)
16	.063 (1.60)
12	.094 (2.39)
8	.180 (4.57)

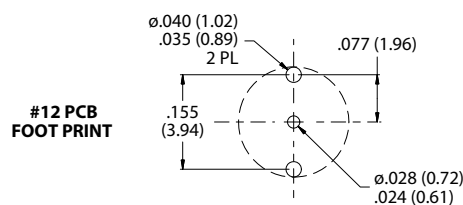
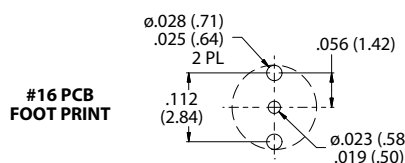
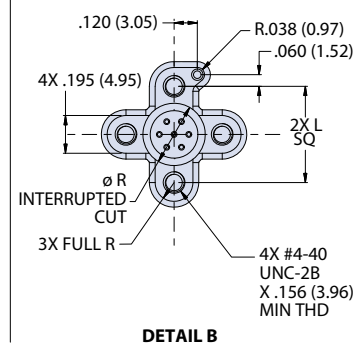
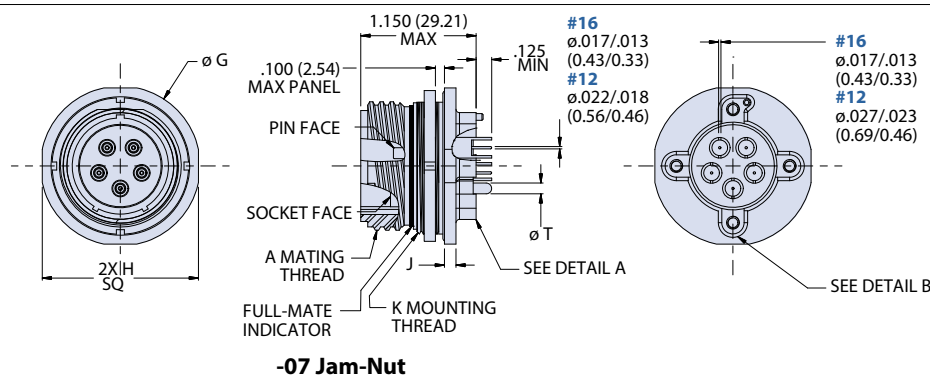
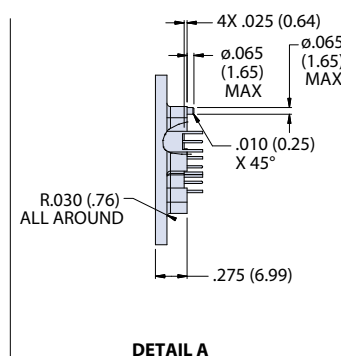
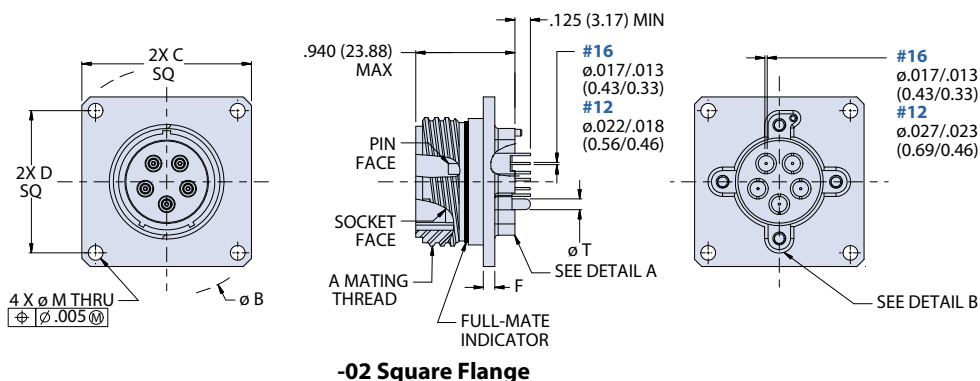
DWV Rating	
Contact Sizes	Test Voltage
23	750 Vac
20 HD	1000 Vac
16, 12, 8	1800 Vac
16 CO-AX**	800 Vac
12 CO-AX**	1000 Vac
**Inner contact to outer contact	



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Dimensions											
Shell Size	"A" Thread Mating -.1P-.3L-TS-2A	"Ø B" Max Flange	"C" Sq Typ Flange Flats	"D" Sq Bsc Mounting Holes	"F" Max Flange	"Ø G" Flange	"H" Sq Flange Flats	"J" Max Flange	"K" Thread Mounting -28 UN-2A	"L" Board Mounting	"Ø M" Thru Mtg Holes
8	.5000	1.150 (29.21)	.850 (21.59)	.660 (16.76)	.100 (2.54)	.760 (19.30)	.730 (18.54)	.100 (2.54)	.5625	.440 (11.18)	.096 (2.44) .091 (2.31)
9	.5625	1.230 (31.24)	.913 (23.19)	.723 (18.36)		.880 (22.35)	.850 (21.59)		.6875	.515 (13.08)	
10	.6250	1.330 (33.78)	.975 (24.76)	.785 (19.94)		.925 (23.50)	.895 (22.73)		.6875	.580 (14.73)	
11	.6875	1.410 (35.81)	1.040 (26.42)	.848 (21.54)		.955 (24.26)	.925 (23.50)		.7500	.646 (16.41)	
12	.7500	1.500 (38.10)	1.099 (27.91)	.909 (23.09)		1.060 (26.92)	1.035 (26.29)		.8125	.734 (18.64)	
13	.8125	1.590 (40.39)	1.163 (29.54)	.973 (24.71)		1.120 (28.45)	1.090 (27.69)		.8750	.788 (20.02)	
15	.9375	1.750 (44.45)	1.288 (32.72)	1.058 (26.87)		1.203 (30.56)	1.173 (29.79)		1.0000	.830 (21.08)	
18	1.1250	2.000 (50.80)	1.475 (37.47)	1.255 (31.88)	.125 (3.18)	1.389 (35.28)	1.359 (34.52)	.128 (3.25)	1.1875	.896 (22.76)	.130 (3.30) .126 (3.20)
19	1.1875	2.094 (53.19)	1.537 (39.04)	1.327 (33.71)		1.450 (36.83)	1.420 (36.07)		1.2500	1.059 (26.90)	
21	1.3125	2.270 (57.66)	1.663 (42.24)	1.452 (36.88)		1.580 (40.13)	1.550 (39.37)		1.3750	1.156 (29.36)	
23	1.4375	2.440 (61.98)	1.787 (45.39)	1.576 (40.03)		1.705 (43.31)	1.675 (42.55)		1.5000	1.284 (32.61)	