Glenair®

233-105-07
MIL-DTL-38999 Series III Type
Jam Nut Environmental Receptacle Connnector

Basic Part Number
233-105 - D38999 Series III Type Power and Signal Connector

Finish Material
(See Table II)

Shell Size

09	19L
11	21
13	21L
13L	23
15	23L
15L	25
17	25C
17L	25L
19	25Q

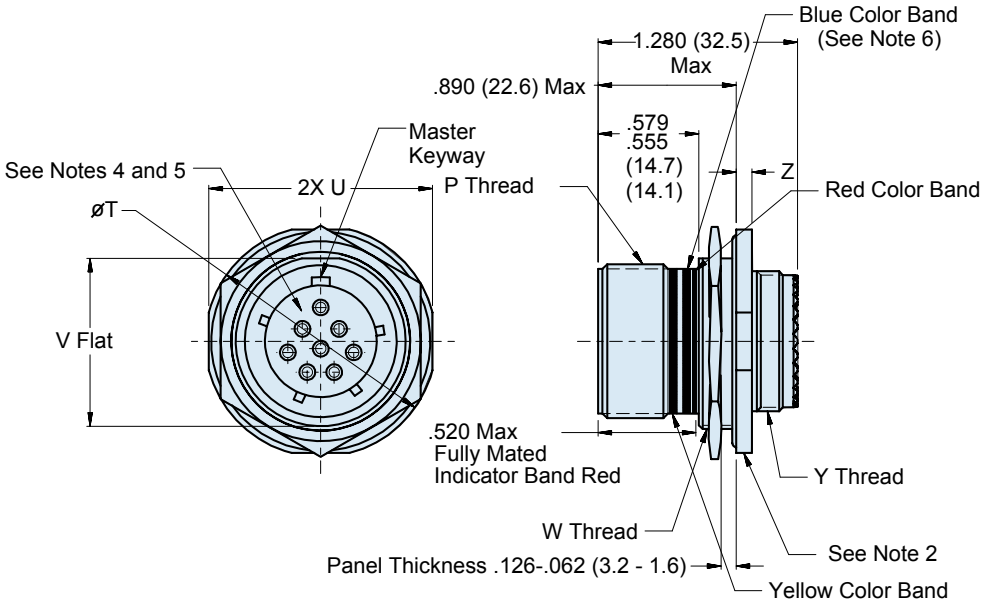
Insert Arrangement
per MIL-STD-1560 and JSFD08

Alternate Key Position
A, B, C, D, or E (N for Normal)

233-105	-	07	XM	21	-	11	S	N

Shell Style
07 - Receptacle, Jam Nut

Contact Type
(See Table I)



Consult factory for available insert arrangements.

F

APPLICATION NOTES

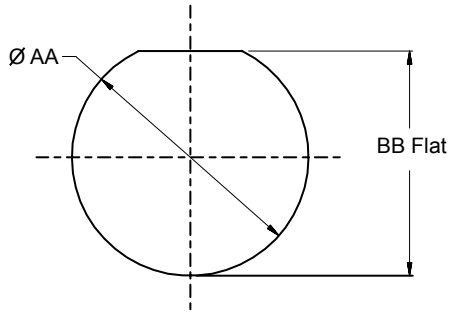
1. Material/ Finishes:
   Shells, Jam Nut - See Table II
   (Composite Jam Nut No Plating Required).
   Insulators- High Grade Rigid Dielectric/ N.A
   Seals- Fluorosilicone/ N.A.
2. Assembly to be identified with Glenair's name, part number and date code space permitting.
3. Modified major diameter 1.252-1.257 (31.80-31.95).
4. Insert arrangement in accordance with MIL-STD-1560.
5. Insert arrangement shown is for reference only.
6. Blue Color Band indicates rear release retention system.
7. 16# AWG contact arrangements only. See available arrangements opposite page.
8. Metric dimensions (mm) are in parentheses.

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TABLE I: CONTACT TYPES				
Ordering Code	*Assembly Dash Number*	*Wire Size*	*Type*	*Military Part Number*
P	850-002-16-364	#16 – #20	Pin	M39029/58-364
S	850-001-16-352	#16 – #20	Socket	M39029/56-352
A	Less pin contacts			
B	Less socket contacts			



Recommended Cut-Out

TABLE IV: PANEL CUTOUT			
Shell Size Code	Shell Size	AA Dia	BB Flat
A	09	.710 (18.0) .700 (17.8)	.670 (17.0) .660 (16.8)
B	11	.835 (21.2) .825 (21.0)	.771 (19.6) .761 (19.3)
C	13	1.020 (25.9) 1.010 (25.7)	.955 (24.3) .945 (24.0)
D	15	1.145 (29.1) 1.135 (28.8)	1.085 (27.6) 1.075 (27.3)
E	17	1.270 (32.3) 1.260 (32.0)	1.210 (30.7) 1.200 (30.5)
F	19	1.395 (35.4) 1.385 (35.2)	1.335 (33.9) 1.325 (33.7)
G	21	1.520 (38.6) 1.510 (38.4)	1.460 (37.1) 1.450 (36.8)
H	23	1.645 (41.8) 1.635 (41.5)	1.585 (40.3) 1.575 (40.0)
J	25	1.770 (45.0) 1.760 (44.7)	1.710 (43.4) 1.700 (43.2)

TABLE II: FINISH		
SYM	MATERIAL	FINISH
XM	Composite	Electroless Nickel
XMT	Composite	Ni-PTFE *1000 Hour Grey™*
XW	Composite	Cadmium O.D. Over Electroless Nickel

*Consult Factory for Additional Plating Options

*See Note 3

TABLE III: SHELL SIZE								
Shell Size Code	Shell Size	P Thread	T Dia	U	V	W Thread	Y Thread	Z
A	09	.6250-.1P-.3L-TS-2A	1.200 (30.5) 1.178 (29.9)	1.078 (27.4) 1.048 (26.6)	.654 (16.6) .645 (16.4)	M17 x 1.0-6G 0.100R	M12 x 1.0-6g 0.100R	.114 (2.9) .083 (2.1)
B	11	.7500-.1P-.3L-TS-2A	1.386 (35.2) 1.362 (34.6)	1.268 (32.2) 1.236 (31.4)	.755 (19.2) .745 (18.9)	M20 x 1.0-6g 0.100R	M15 x 1.0-6g 0.100R	.121 (3.1) .083 (2.1)
C	13	.8750-.1P-.3L-TS-2A	1.512 (38.4) 1.488 (37.8)	1.390 (35.3) 1.358 (34.5)	.942 (23.9) .932 (23.7)	M25 x 1.0-6g 0.100R	M18 x 1.0-6g 0.100R	.121 (3.1) .083 (2.1)
D	15	1.0000-.1P-.3L-TS-2A	1.638 (41.6) 1.614 (41.0)	1.516 (38.5) 1.484 (37.7)	1.066 (27.1) 1.056 (26.8)	M28 x 1.0-6g 0.100R	M22 x 1.0-6g 0.100R	.121 (3.1) .083 (2.1)
E	17	1.1875-.1P-.3L-TS-2A	1.764 (44.8) 1.740 (44.2)	1.642 (41.7) 1.610 (40.9)	1.191 (30.3) 1.181 (30.0)	M32 x 1.0-6g 0.100R*	M25 x 1.0-6g 0.100R	.121 (3.1) .083 (2.1)
F	19	1.2500-.1P-.3L-TS-2A	1.949 (49.5) 1.925 (48.9)	1.827 (46.4) 1.795 (45.6)	1.316 (33.4) 1.306 (33.2)	M35 x 1.0-6g 0.100R	M28 x 1.0-6g 0.100R	.154 (3.9) .114 (2.9)
G	21	1.3750-.1P-.3L-TS-2A	2.075 (52.7) 2.051 (52.1)	1.953 (49.6) 1.921 (48.8)	1.441 (36.6) 1.431 (36.3)	M38 x 1.0-6g 0.100R	M31 x 1.0-6g 0.100R	.154 (3.9) .114 (2.9)
H	23	1.5000-.1P-.3L-TS-2A	2.201 (55.9) 2.177 (55.3)	2.079 (52.8) 2.047 (52.0)	1.566 (39.8) 1.556 (39.5)	M41 x 1.0-6g 0.100R	M34 x 1.0-6g 0.100R	.154 (3.9) .114 (2.9)
J	25	1.6250-.1P-.3L-TS-2A	2.323 (59.0) 2.299 (58.4)	2.205 (56.0) 2.173 (55.2)	1.691 (43.0) 1.681 (42.7)	M44 x 1.0-6g 0.100R	M37 x 1.0-6g 0.100R	.154 (3.9) .114 (2.9)

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