

MIL-DTL-38999 Series IV Type
234-212-07 Jam nut feed-thru receptacles with PC tails

HOW TO ORDER	
Sample Part Number	234-212 -07 NF 11 -35 P N S N
Basic Part Number	234-212
Connector Style	07 = Jam-Nut
Material/Finish	(See Table I)
Shell Size	11, 13, 15, 17, 19, 21, 23, 25
Insert Arrangement	PER MIL-STD-1560
Contact Style	P = Pin Contact Panel Side S = Socket Contact Panel Side
Alternate Key Positions	A, B, C, D, K, L, M, R, N = Normal U = Universal (Glenair Equivalent Only)
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"BETTER-THAN-QPL" FEATURES AND BENEFITS

- Secure breach-lock mating connector meets D38999 shock and vibrate
- Glenair Signature Tin Zinc finish class is RoHS compliant and cadmium compatible
- Precision-machined key/keyway polarization for reliable mismatching protection
- Scoop-proof design prevents pin damage and short circuits
- Fully tooled for all MIL-STD-1560 insert arrangements
- Contact options include size #22D, #20, #16, and #12 (see High-Speed series for Size #8)
- 500 mating cycles exceeds MIL-DTL-38999 specification

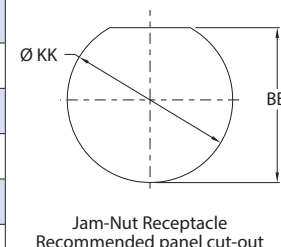
TABLE I - MATERIAL/FINISH			
Equiv Class	Sym	Material	Finish
W	NF	Aluminum Alloy	Cad/O.D. over Electroless Nickel
G*	MA**		Electroless Nickel, Matte
T*	MT		Nickel-PTFE
F	ME		Electroless Nickel
AA	MN		MegaNickel
V	TZ		Tin-Zinc
Z*	ZR		Zinc Ni, Black (Tri-Valent CR)
K*	Z1	Stainless Steel	Passivate
L*	ZL		Electrodeposited Nickel

* = Glenair Equivalent Only

** = Connectors for space applications must be ordered with "MA" finish and mod code "-186T" to conform to the thermal vacuum outgassing requirements of class G.

TABLE II - POLARIZING POSITIONS										
	N	A	B	C	D	K	L	M	R	U
X	110°	100°	90°	80°	70°	120°	120°	120°	120°	N/A
Y	250°	260°	270°	280°	290°	255°	265°	275°	285°	N/A

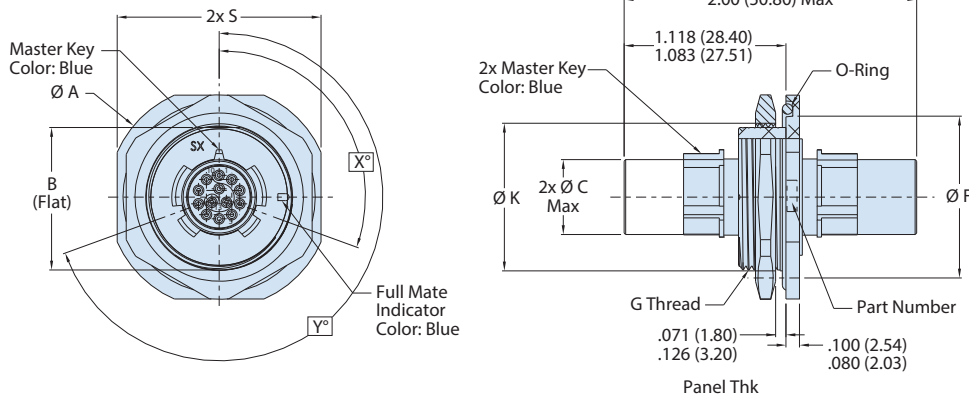
TABLE III - PANEL CUT-OUT			
Shell Size	Shell Size Code	ØKK	BB
11	B	1.020 (25.91)	0.955 (24.26)
		1.010 (25.65)	0.945 (24.00)
13	C	1.145 (29.08)	1.085 (27.56)
		1.135 (28.83)	1.075 (27.31)
15	D	1.270 (32.26)	1.210 (30.73)
		1.260 (32.00)	1.200 (30.48)
17	E	1.395 (35.43)	1.335 (33.91)
		1.385 (35.18)	1.325 (33.66)
19	F	1.520 (38.61)	1.460 (37.08)
		1.510 (38.35)	1.450 (36.83)
21	G	1.645 (41.78)	1.585 (40.26)
		1.635 (41.53)	1.575 (40.01)
23	H	1.770 (44.96)	1.710 (43.43)
		1.760 (44.70)	1.700 (43.18)
25	J	1.895 (48.13)	1.835 (46.61)
		1.885 (47.88)	1.825 (46.36)



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ENVIRONMENTAL CONNECTORS

JAM NUT RECEPTACLE 234-105-44 (REF: MIL-DTL-38999/44)



Shell Size	Shell Size Code	ØA	B (Flat)	ØC Max	ØF	G Thread	ØK	S	O-Ring P/N
11	B	1.520 (38.6) 1.480 (37.6)	.942 (23.93) .935 (23.74)	.509 (12.93)	1.096 (27.84) 1.085 (27.55)	M25 X 1.0-6g 0.100R	1.000 (25.40) .990 (25.15)	1.394 (35.4) 1.354 (34.4)	AS3582-024
13	C	1.642 (41.7) 1.602 (40.7)	1.066 (27.08) 1.059 (26.89)	.634 (16.10)	1.221 (31.02) 1.210 (30.73)	M28 X 1.0-6g 0.100R	1.125 (28.58) 1.115 (28.33)	1.520 (38.6) 1.480 (37.6)	AS3582-026
15	D	1.768 (44.9) 1.728 (43.9)	1.191 (30.26) 1.184 (30.07)	.759 (19.28)	1.346 (34.19) 1.335 (33.90)	M31 X 1.0-6g 0.100R	1.250 (31.75) 1.240 (31.50)	1.642 (41.7) 1.602 (40.7)	AS3582-028
17	E	1.957 (49.7) 1.917 (48.7)	1.321 (33.56) 1.314 (33.37)	.885 (22.48)	1.483 (37.67) 1.472 (37.38)	M34 X 1.0-6g 0.100R	1.375 (34.92) 1.365 (34.67)	1.799 (45.7) 1.760 (44.7)	AS3582-029
19	F	2.035 (51.7) 1.996 (50.7)	1.441 (36.61) 1.434 (36.42)	1.009 (25.63)	1.608 (40.85) 1.597 (40.56)	M38 X 1.0-6g 0.100R	1.500 (38.10) 1.490 (37.85)	1.909 (48.5) 1.870 (47.5)	AS3582-030
21	G	2.157 (54.8) 2.118 (53.8)	1.566 (39.78) 1.559 (39.59)	1.134 (28.80)	1.733 (44.02) 1.722 (43.73)	M41 X 1.0-6g 0.100R	1.625 (41.28) 1.615 (41.03)	2.035 (51.7) 1.996 (50.7)	AS3582-031
23	H	2.283 (58.0) 2.244 (57.0)	1.691 (42.96) 1.684 (42.77)	1.259 (31.98)	1.858 (47.20) 1.847 (46.91)	M44 X 1.0-6g 0.100R	1.750 (44.45) 1.740 (44.20)	2.157 (54.8) 2.118 (53.8)	AS3582-032
25	J	2.409 (61.2) 2.370 (60.2)	1.816 (46.13) 1.809 (45.94)	1.384 (35.15)	1.983 (50.37) 1.972 (50.08)	M47 X 1.0-6g 0.100R	1.875 (47.63) 1.865 (47.38)	2.283 (58.0) 2.244 (57.0)	AS3582-033

NOTES

- Materials And Finishes (As Applicable):
 - Shell - Jam Nut (See Table I)
 - Insulator - High Grade Rigid Dielectric.
 - Contacts - IAW AS39029
 - Seals - Fluorosilicone Blend.
- Insert arrangement in accordance with MIL-STD-1560. Contact factory for additional insert arrangements.
- Insert arrangement shown is for reference only.
- Glenair 234-212-07 series connectors are designed to meet the applicable performance and interface requirements of MIL-DTL-38999, Series IV except as noted. Connector mates with any QPL manufacturer's MIL-DTL-38999 Series IV connectors with the same insert arrangement and polarization.
- Power given to contact on one end will result in power to contact directly opposite regardless of identification letter.
- Electrical safety limits must be established by user. Peak voltage, switching surge, and transient etc, should be used to determine the safety application.