

SERIES 253-040

AS81703 Series 3 Type Connectors



253-040-07 Jam-nut receptacle
High-density MIL-STD-1560 insert arrangements



ADAPTER CODE **A**

"A" adapter code accessories fit AS81703 Series 3 (imperial thread) connectors

NOTES:

1. Connector series 253-040-07 meets all applicable dimensional, performance, and material requirements of AS81703, except as noted. This connector is mated with Glenair part number 253-040-06, 253-040-08, and 253-040-09 plugs, with the same size and arrangement.
2. Connector mechanism per AS81703 Series III.
3. Material / finish:
Shell, jam nut - see Table I
Insulator - high grade rigid dielectirc / N.A.
O-ring, grommet - fluorosilicone blend or equivalent / N.A.
Lockwasher - CRES / passivated.
4. Insert arrangements are in accordance with MIL-STD-1560.
5. Majority arrangements of MIL-STD-1560 for D38999 Series III are available for connector sizes 3, 7, 12, 19, 27, 37, and 61.

HOW TO ORDER

Sample Part No.	253-040	-	07	NF	19-35	P	N
Basic Part Number	AS81703 Series 3 type connector Jam-nut mount push-pull coupling						
Rear Option	"-" = 360° Accessory sawteeth B = Banding platform						
Connector Style	07 = Jam-nut mounting receptacle						
Material / Finish	See Table I						
Shell Size / Insert Arrangement	Per MIL-STD-1560, see Table II						
Contact Styles	P = Pin A = Pin less contacts S = Socket B = Socket less contacts						
Alternate Positions	A, B, C, D, E, F, N = Normal						

TABLE I - MATERIAL AND FINISH

Code	Mil Class	Material	Finish
TZ	-	Aluminum Alloy	Tin-Zinc over Nickel
MN	AA		MegaNickel
C	-		Black Anodize
ME	E		Electroless Nickel
NF	L		Cad O.D. over Electroless Nickel
MT	-		Nickel-PTFE
ZR	-		Zinc-Nickel/Black (Tri-Valent CR)

TABLE II

D38999 Equiv. Shell Size	AS84703 Shell Size	Arrangement per MIL-STD-1560
9	3	3-35, 3-98
11	7	7-98, 7-99, 7-35, 7-04
13	12	12-04, 12-08, 12-35, 12-98
15	19	19-05, 19-15, 19-18, 19-97, 19-35, 19-19
17	27	27-02, 27-11, 27-26, 27-35, 27-06, 27-99
19	37	37-04, 37-11, 37-18, 37-35
25	61	61-04, 61-08, 61-07, 61-19, 61-35, 61-37, 61-20, 61-46

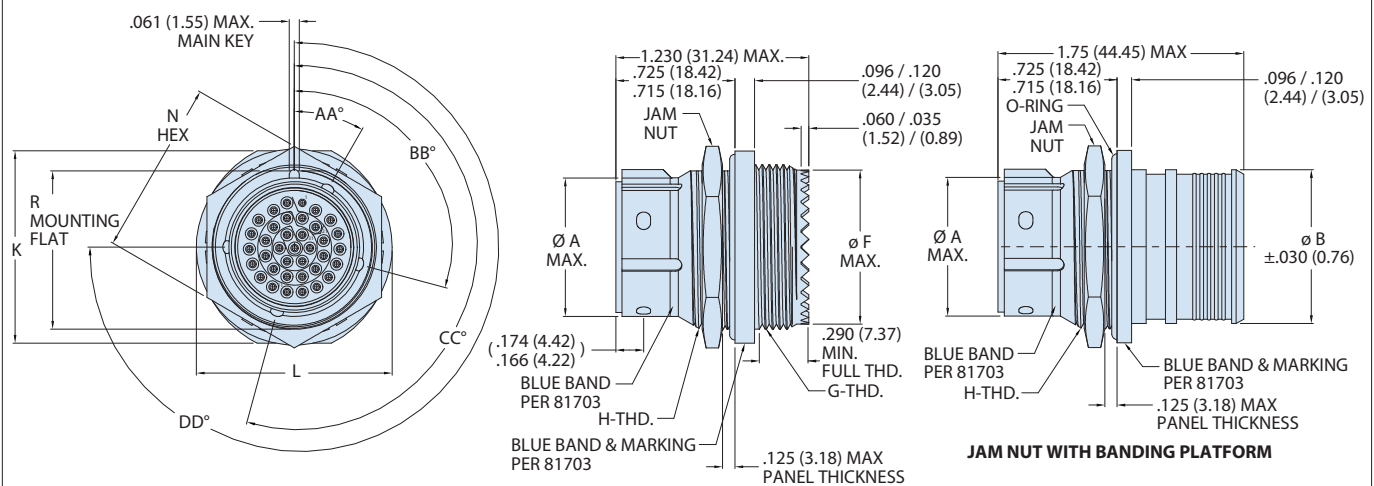
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OVERALL DIMENSIONS TABLE III



Shell Size	Ø A Max	Ø B ±.030	Ø F Max.	G Thd.	H Thd.	K	L	R Flat ±.005	N Mounting Nut
3	.441 (11.20) .431 (10.95)	0.562 (14.27)	0.509 (12.93)	9/16-24 UNEF-2A 2	9/16-24 UNEF-2A	.765 (19.43) .735 (18.67)	.765 (19.43) .735 (18.67)	0.523 (13.28)	0.625 (15.88)
7	.576 (14.63) .566 (14.38)	0.750 (19.05)	0.687 (17.45)	3/4-20 UNEF-2A	11/16-24 UNEF-2A	.890 (22.61) .860 (21.84)	.890 (22.61) .860 (21.84)	0.655 (16.64)	0.812 (20.62)
12	.710 (18.03) .700 (17.78)	0.875 (22.23)	0.812 (20.62)	7/8-20 UNEF-2A	13/16-20 UNEF-2A	1.077 (27.36) 1.047 (26.59)	1.077 (27.36) 1.047 (26.59)	0.778 (19.76)	0.937 (23.80)
19	.849 (21.56) .839 (21.31)	1.00 (25.40)	0.937 (23.80)	1-20 UNEF-2A	1-20 UNEF-2A	1.202 (30.53) 1.172 2	1.202 (30.53) 1.172 (29.77)	0.963 (24.46)	1.062 (26.97)
27	1.004 (25.50) .994 (25.25)	1.060 (26.92)	0.992 (25.20)	1 1/16-18 UNEF-2A	1 1/8-18 UNEF-2A	1.327 (33.71) 1.297 (32.94)	1.327 (33.71) 1.297 (32.94)	1.089 (27.66)	1.250 (31.75)
37	1.126 (28.60) 1.116 (28.35)	1.187 (30.15)	1.117 (28.37)	1 3/16-18 UNEF-2A	1 1/4-18 UNEF-2A	1.460 2 1.430 (36.32)	1.515 (38.48) 1.485 (37.72)	1.214 (30.84)	1.375 (34.93)
61	1.414 (35.92) 1.404 (35.66)	1.500 (38.10)	1.427 (36.25)	1 1/2-18 UNEF-2A	1 1/2-18 UNEF-2A	1.864 (47.35) 1.834 (46.58)	1.890 (48.01) 1.860 (47.24)	1.463 (37.16)	1.688 (42.88)

PANEL CUTOUT

Shell Size	U Flat	Øv
3	0.538 (13.67) 0.534 (13.56)	0.577 (14.66) 0.567 (14.40)
7	0.665 (16.89) 0.661 (16.79)	0.701 (17.81) 0.691 (17.55)
12	0.788 (20.02) 0.784 (19.91)	0.826 (20.98) 0.816 (20.73)
19	0.973 (24.71) 0.969 (24.61)	1.013 (25.73) 1.003 (25.48)
27	1.099 (27.91) 1.095 (27.81)	1.138 (28.91) 1.128 (28.65)
37	1.224 (31.09) 1.220 (30.99)	1.263 (32.08) 1.253 (31.83)
61	1.471 (37.36) 1.467 (37.26)	1.514 (38.46) 1.504 (38.20)

