

SERIES 253-040 AS81703 Series 3 Type Connectors



253-040-08 Lanyard-release plug
High-density MIL-STD-1560 insert arrangements



HOW TO ORDER									
Sample Part No.	253-040	-	08	ME	12-35	P	N	812	
Basic Part Number	AS81703 Series 3 type connector jam-nut mount push-pull coupling								
Rear Option	“-” = 360° Accessory sawteeth B = Banding platform								
Connector Style	08 = Lanyard-release plug								
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								
Lanyard Ring Mod. Code	Omit = Standard Lanyard Ring 812 = Lanyard ring rotated 90° from master keyway								

ADAPTER CODE A
“A” adapter code accessories fit AS81703 Series 3 (imperial thread) connectors

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)

NOTES:

- This connector is mated with Glenair part number 253-040-00, and 253-040-07 receptacles
- Insert arrangement shown per MIL-STD-1560 with AS81703 connector size.
- Material/Finish:
Shell - Alum. Alloy or CRES
Insulator - High Grade Rigid Dielectric
Grommet - Fluorosilicone or Equivalent
Contact - Gold Plated.
- Connectors meet requirements of AS81703, Series 3. Test data is available per GT-15-94 & GT-17-06.
- Majority arrangements of MIL-STD-1560 for D38999 Series III are available for connector sizes 3, 7, 12, 19, 27, 37, and 61.

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

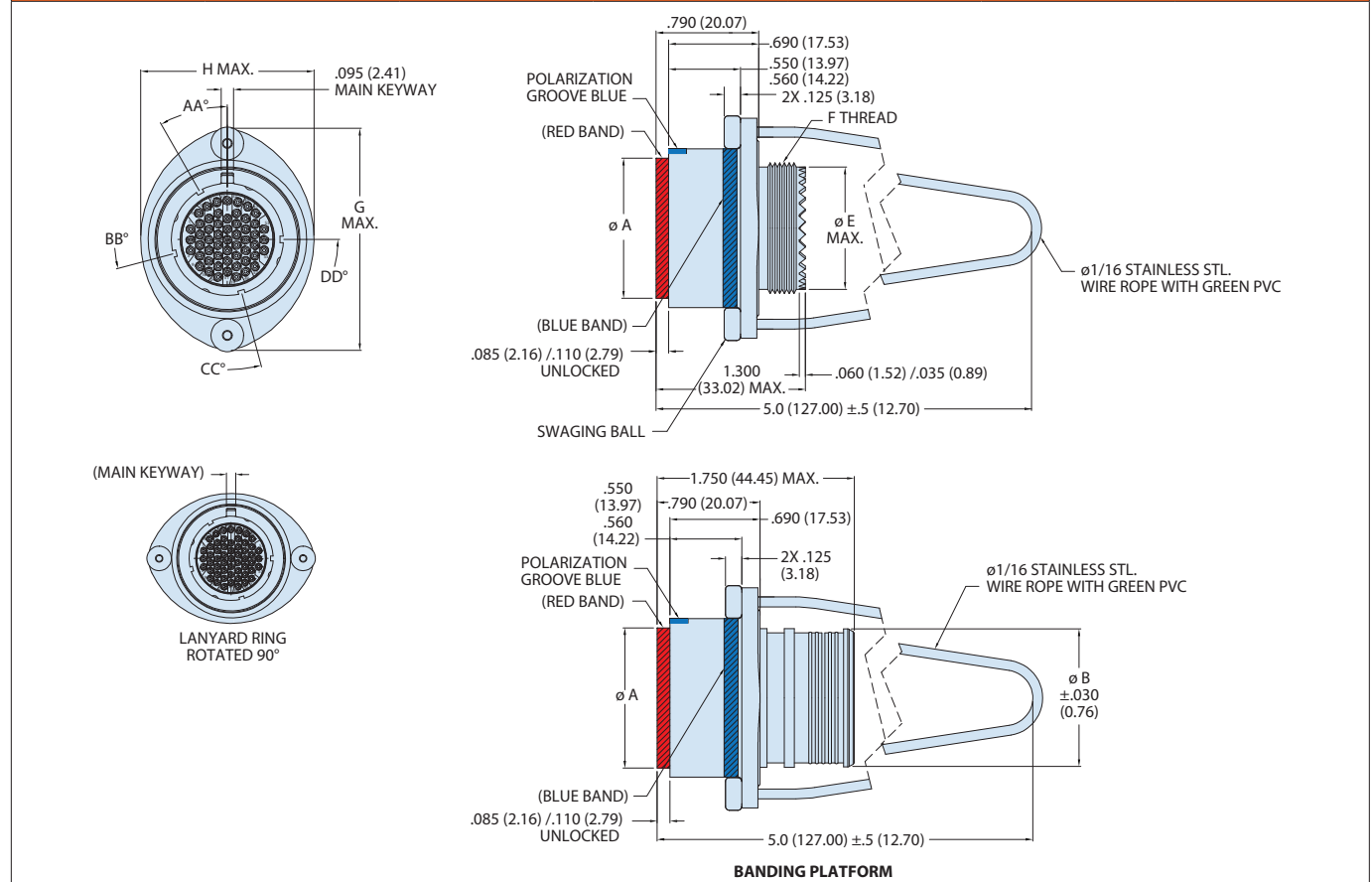
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OVERALL DIMENSIONS TABLE III



Shell Size	Ø A Max.	Ø B ±.030	Ø E Max.	F Thd.	G	H
3	0.686 (17.42)	0.562 (14.27)	0.509 (12.93)	9/16-24 UNEF-2A	1.261 (32.03)	0.925 (23.50)
7	0.805 (20.45)	0.750 (19.05)	0.687 (17.45)	3/4-20 UNEF-2A	1.411 (35.84)	1.062 (26.97)
12	0.953 (24.21)	0.875 (22.23)	0.812 (20.62)	7/8-20 UNEF-2A	1.531 (38.89)	1.172 (29.77)
19	1.082 (27.48)	1.00 (25.40)	0.937 (23.80)	1-20 UNEF-2A	1.681 (42.70)	1.328 (33.73)
27	1.243 (31.57)	1.060 (26.92)	0.992 (25.20)	1 1/16-18 UNEF-2A	1.826 (46.38)	1.475 (37.47)
37	1.363 (34.62)	1.187 (30.15)	1.117 (28.37)	1 3/16-18 UNEF-2A	1.915 (48.64)	1.610 (40.89)
61	1.642 (41.71)	1.500 (38.10)	1.427 (36.25)	1 1/2-18 UNEF-2A	2.343 (59.51)	2.000 (50.80)

253-040 SERIES SHELL KEYING ANGLES TABLE IV

Shell Keying	Shell Size 3				Shell Size 7				Shell Size 12				Shell Size 19				Shell Size 27				Shell Size 37				Shell Size 61			
	AA°	BB°	CC°	DD	AA°	BB°	CC°	DD	AA°	BB°	CC°	DD	AA°	BB°	CC°	DD	AA°	BB°	CC°	DD	AA°	BB°	CC°	DD	AA°	BB°	CC°	DD
Normal	23	97	187	-	23	97	187	277	30	105	195	270	30	105	195	270	30	105	195	270	30	105	195	270	30	105	195	270
A	-	-	-	-	23	105	195	300	30	90	225	315	40	105	195	270	40	105	195	270	40	105	195	270	40	105	195	270
B	-	-	-	-	23	115	210	285	30	120	210	285	30	115	195	270	30	115	195	270	30	115	195	270	30	115	195	270
C	-	-	-	-	30	120	195	285	30	135	180	300	30	115	210	270	30	115	210	270	30	115	210	270	30	115	210	270
D	-	-	-	-	30	97	210	270	45	105	210	315	30	115	195	280	30	115	195	280	30	115	195	280	30	115	195	280
E	-	-	-	-	-	-	-	-	45	90	180	285	-	-	-	-	-	-	-	-	30	90	170	270	30	90	170	270
F	-	-	-	-	-	-	-	-	45	120	270	300	-	-	-	-	-	-	-	-	30	115	170	255	30	115	170	255
G	-	-	-	-	-	-	-	-	45	135	195	225	-	-	-	-	-	-	-	-	30	115	180	300	30	115	180	300