

SERIES 253-020 AS81703 Series 3 Type Connectors



253-020-08 Lanyard-release plug Standard-density contact arrangements



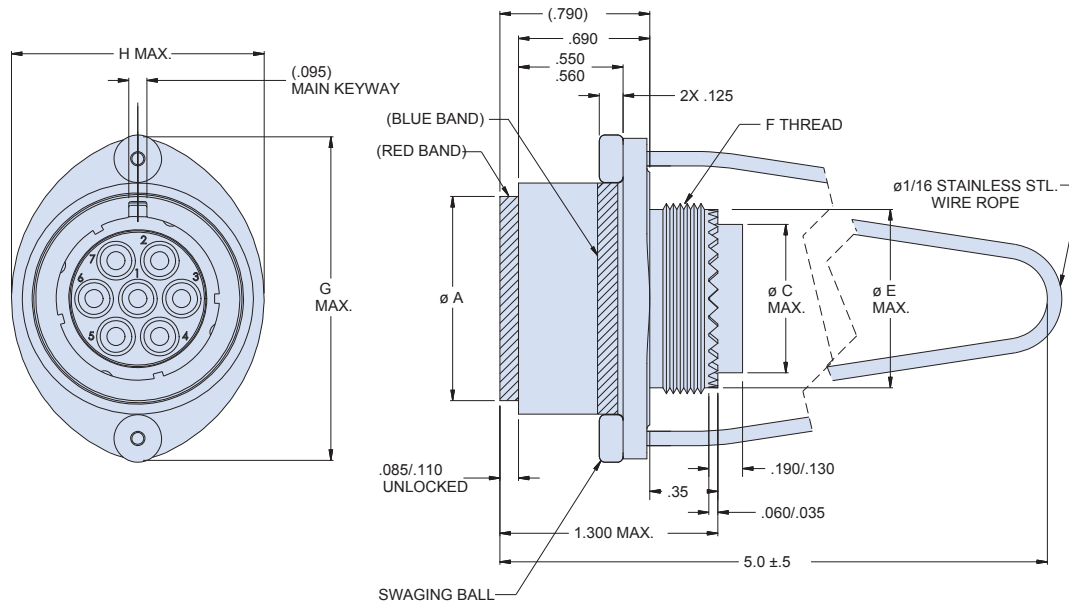
ADAPTER CODE **A**

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

HOW TO ORDER

Sample Part No.	253-020	-	08	ME	19-7	P	N	812
Basic Part Number	AS81703 Series 3 type connector							
Rear Option	- = Accessory threads B = Band porch (consult factory)							
Connector Style	08 = Lanyard release plug MS3468 type (no SAE equivalent)							
Material / Finish	C = Al Alloy/Black Anodize ME = Al Alloy/Electroless Nickel MT = Al Alloy/Nickel-PTFE NF = Al Alloy/Cad O.D. Over Electroless Nickel ZR = Al Alloy/Zinc-Nickel Black							
Shell Size-Insert Arrangement	See Table II							
Contact Styles	P = Pin insert S = Socket insert A = Pin insert less contacts B = Socket insert less contacts							
Insert Clocking Positions	N, W, X, Y, B, C (See Table III pg. 2)							
Lanyard Ring Mod. Code	Omit = Standard Lanyard Ring 812 = Lanyard Ring Rotated 90° from Master Keyway							

-08 LANYARD-RELEASE PLUG DIMENSIONS



Shell Size	Ø A		Ø C Max.		Ø E Max.		F Thd.	G Max.		H Max.	
	In.	mm	In.	mm	In.	mm		In.	mm	In.	mm
3	.657/.648	16.7/16.5	.351	8.9	.509	12.9	¼-24 UNEF-2A	1.261	32.0	.925	23.5
7	.793/.782	20.1/19.9	.531	13.5	.687	17.4	¾-20 UNEF-2A	1.411	35.8	1.062	27.0
12	.942/.932	23.9/23.7	.665	16.9	.812	20.6	7/8-20 UNEF-2A	1.531	38.9	1.172	29.8
19	1.073/1.063	27.3/27.0	.790	20.1	.937	23.8	1-20 UNEF-2A	1.681	42.7	1.328	33.7
27	1.226/1.216	31.1/30.9	.869	22.1	.992	25.2	1 ¼-18 UNEF-2A	1.826	46.4	1.475	37.5
37	1.348/1.338	34.2/34.0	.994	25.2	1.117	28.4	1 ¾-18 UNEF-2A	1.915	48.6	1.610	40.9
61	1.614/1.604	41.0/40.7	1.280	32.5	1.427	36.2	1 ½-18 UNEF-2A	2.235	56.8	1.890	48.0

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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: CONTACT ARRANGEMENTS			
Contact Arrangement	Contact Size & Quantity		
	#20	#16	#12
3-50	3		
7-50	7		
12-6	6		
12-50	12		
19-4			12
19-7			7
19-12		12	
19-50	19		
27-2		14	
27-3	14	2	
27-5		19	
27-8		6	4
27-11	12		
27-50	27		
37-2		24	
37-3			12
37-50	37		
61-42	29	4	8
61-50	61		

INSERT ROTATION AND INSERT CLOCKING ROTATION	
Master Keyway Pin insert rotated clockwise, Socket insert rotated counter-clockwise, relative to master key / keyway.	AS81703 Series 3 type connectors feature locksmith key/keyways. Plug connector keyways and receptacle connector keys are fixed for all sizes and contact arrangements. Alternate Insert Clocking is specified in the part number. Pin inserts are rotated clockwise, Socket inserts rotated counter-clockwise relative to the master key/keyway, to the positions indicated in the table below.

TABLE III: CLOCKING POSITIONS						
Contact Arrangement	Alternate Insert Clocking Positions					
	N	W	X	Y	B	C
3-50	0°			75°		
7-50	0°				150°	
12-6	0°	25°	45°	80°	150°	220°
12-50	0°	15°	50°	75°	150°	225°
19-4	0°			22° 30'	135°	247° 30'
19-7	0°			75°	150°	225°
19-12	0°	25°	50°	75°	150°	225°
19-50	0°			75°	150°	225°
27-2	0°	25°	50°	75°	150°	225°
27-3	0°	25°	50°	75°	150°	225°
27-5	0°			75°	150°	225°
27-8	0°	25°	50°	75°	150°	225°
27-11	0°	25°	50°	75°	150°	225°
27-50	0°	25°	50°	75°	150°	225°
37-2	0°	25°	145°	227° 30'		
37-3	0°	20°	70°			
37-50	0°	25°	50°	75°	150°	225°
61-42	0°		67° 30'			
61-50	0°			75°	150°	225°