

SERIES 253-020

AS81703 Series 3 Type Connectors

How to order



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Sample Part Number	253-020			-	06	ME	19-7	P	N
Basic Part Number	AS81703 Series 3 type connector								
Rear Option	- = Accessory threads B = Band porch (consult factory)								
Connector Style (and AS cross-ref)	00 = Sq. flange mount receptacle AS34241 type (MS3424) 06 = Straight plug AS34671 type (MS3467) 07 = Jam nut mount receptacle AS34641 type (MS3464) 08 = Lanyard release plug MS3468 type (no SAE equivalent) 09 = Rack & panel plug AS34461 type (MS3446)								
Material / Finish	See Table I								
Shell Size / Insert Arrangement	See Table II, diagrams on pgs. 4-5								
Contact Styles	P = Pin insert A = Pin insert less contacts (not available for -09 Plug) S = Socket insert B = Socket insert less contacts (not available for -09 Plug)								
Insert Clocking Positions	N, W, X, Y, B, C (See Table III)								
Lanyard Ring Mod. Code (-08 Receptacle Only)	Omit = Standard Lanyard Ring 812 = Lanyard Ring Rotated 90° from Master Keyway								

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

Insert Rotation and Insert Clocking Rotation	
	<p>AS81703 Series 3 type connectors feature locksmith key/keyways. Plug connector keyways and receptacle connector keys are fixed for all sizes and contact arrangements.</p> <p>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.</p>

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		

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°

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