

SERIES 253-040

AS81703 Series 3 Type Connectors



253-041 Wall-mount feed-thru receptacle High-density MIL-STD-1560 insert arrangements



ADAPTER CODE **A**

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

NOTES:

- Connector series 253-041 meets all applicable dimensional, performance, and material requirements of AS81703, except as noted. This connector is mated with Glenair part number 253-020-06, 253-020-08, with the same size, same arrangement and same insert polarization.
- Dimensions are not compliant to AS81703. Changes do not affect performance or intermatability with QPL connectors.
- Material / finish:
 - Shell - see Table 1
 - Insulator - high grade rigid dielectric / N.A.
 - Seal, grommet - fluorosilicone blend or equivalent / N.A.
- Insert clocking position "N" shown for reference. Alternate insert clocking positions shown for front face of pin insert only (rotated clockwise relative to the main key). Socket insert opposite.
- Insert arrangement 61-50 shown for reference. Arrangements are per AS81703.
- For pin-pin and socket-socket, symmetrical layout power to given contact on one end will result contact directly opposite regardless I.D. marking.

HOW TO ORDER

Sample Part No.	253-041	ME	61-50	P	N	P	N
Basic Part Number	253-041 AS81703 Series 3 type connector						
Material / Finish	See Table I						
Shell Size / Insert Arrangement	Per MIL-STD-1560, see Table II						
Contact Styles (Panel Side)	P = Pin insert S = Socket insert						
Insert Clocking Positions	N = Normal						
Contact Styles	P = Pin insert S = Socket insert						
Insert Clocking Positions	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 III

Shell Size	AA°	BB°	CC°	DD°
3	23°	97°	187°	N/A
7	23°	97°	187°	277°
12	30°	105°	195°	270°
19	30°	105°	195°	270°
27	30°	105°	195°	270°
37	30°	105°	195°	270°
61	30°	105°	195°	270°

TABLE II

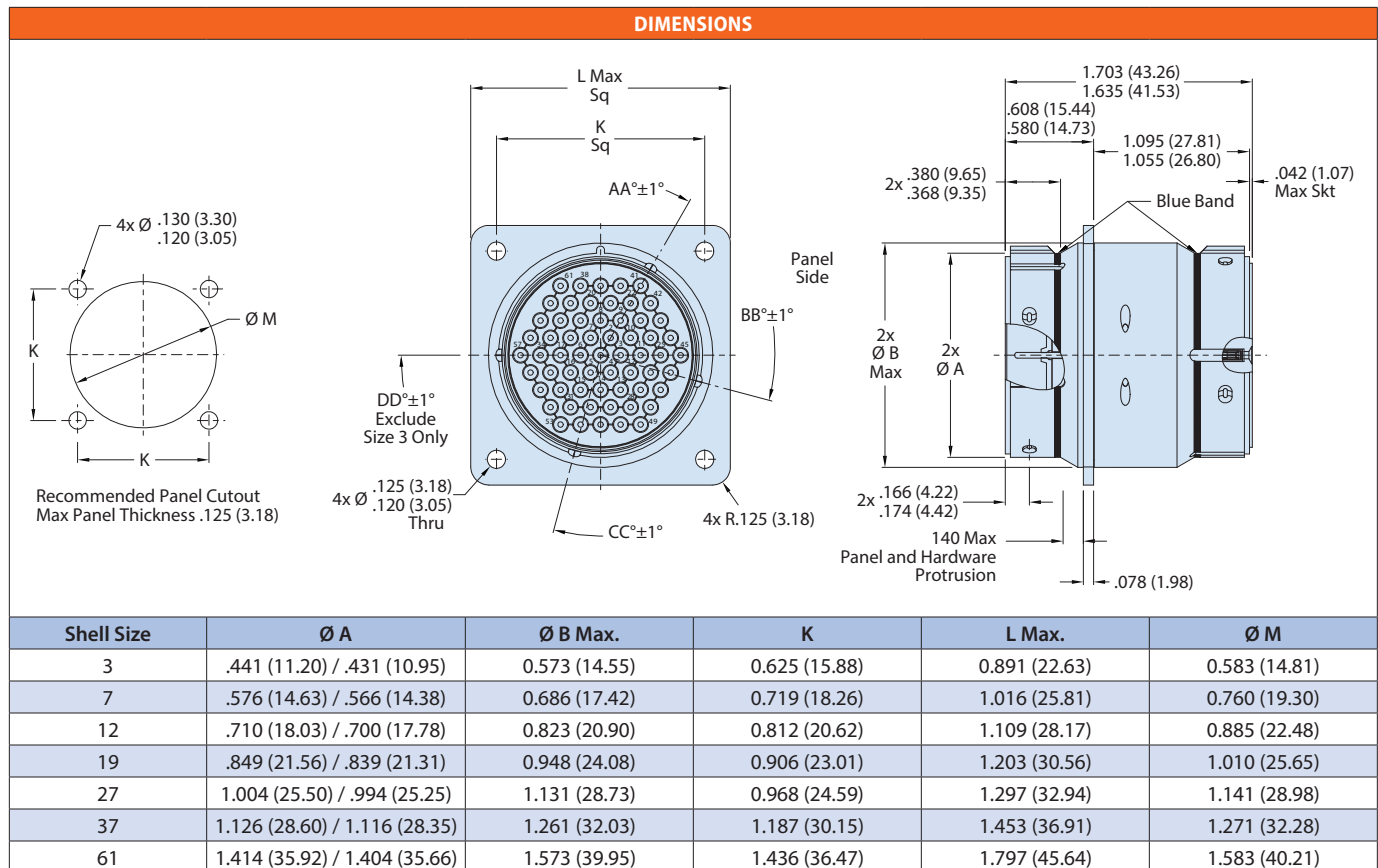
Insert Arrangement	Contact Size & Quantity		
	#20	#16	# 12
3-50	3		
7-50	7		
12-6	6		
12-50	12		
19-4			4
19-7			7
19-12		12	
19-50	19		
27-2		14	
27-3	14	2	
27-5		19	
27-8		6	4
27-11	12		
27-50	27		
37-2		24	
37-3			12
37-50	37		
61-42	29	4	8
61-50	61		

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CONTACT ARRANGEMENTS: HIGH-DENSITY, STANDARD, AND COMBO													
HIGH-DENSITY			Contact Type	#20 Contact Qty.	Shell Size - Contact Arr.	Contact Type	#16 Contact Qty.	Shell Size - Contact Arr.	COMBO				
Contact Type	#23 Contact Qty.	Shell Size - Contact Arr.							No. Contacts				Shell Size - Contact Arr.
Size #23 High-Density 5 Amp Max. Current #22-#26 AWG	9	9-23	Size #20 7.5 Amp Max. Current #20-#24 AWG	2	9-94	Size #16 Contacts 13 Amp Max. Current #16-#20 AWG	2	11-2	#20	#16	#12	#10	15-15
	19	11-23		3	9-98		4	13-4	14	1			
	32	13-23		4	11-4		5	15-5	8	4			15-97
	55	15-23		5	11-5		8	17-8	21	2			17-99
	73	17-23		6	11-98		11	19-11	26	2			19-28
	88	19-23		7	11-99		16	21-16	29	1			19-30
	121	21-23		8	13-8		21	23-21	19	4	4		21-29
	151	23-23		10	13-98		16	23-97	37	2			21-39
Size #22D 5 Amp Max. Current #22-#28 AWG	187	25-23		18	15-18	Size #12 Contacts 23 Amp Max. Current #12-14 AWG	11	23-99	48	8			25-4
				19	15-19		29	25-29	2			9	25-11
				26	17-26		37	25-37		12	12		25-24
				32	19-32				23	20			25-43
				24	21-24								
				25	21-25								
				27	21-27								
				41	21-41								
		32	23-32										
		34	23-34										
		36	23-36										
		53	23-53										
		55	23-55										
		61	25-61										