

ARINC 600 / M83527



527-257

ARINC 600 Size 1 Backshell, Strain Relief

- Self-Locking Saddle Clamp
- EMI Braidsock Option



527-257

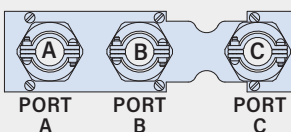
This strain-relief backshell fits ARINC 600 Size 1 connectors.

Two clamp types: saddle clamp for unshielded wire bundles or saddle clamp with nickel-plated copper braid sock for shielding applications. Backshell ports feature Adapter Code H (D38999 Series III/IV) interface. Composite clamps are flight-grade self-locking style with full-radius saddles.

TABLE 1
CONNECTOR CODE

P	All Manufacturers (unless listed below) Due to non-standard connector modifications this backshell may require design alterations to fit properly. Consult factory to ensure a proper fit. <i>Remove and discard insert retainer plate</i>
P1	ITT Cannon BKAD****322 Plug <i>Remove and discard insert retainer plate</i>
P2	ITT Cannon/Radiall Environmental Plug <i>Attach backshell to insert retainer plate</i>
P3	ITT Cannon / Boeing BACC66 Plug <i>Remove and discard insert retainer plate</i>
P5	Radiall / Boeing BACC66 Plug <i>Remove and discard insert retainer plate</i>
P6	ITT Cannon BKAC & BKAE****322 Envir. Plug <i>Attach backshell to insert retainer plate</i>

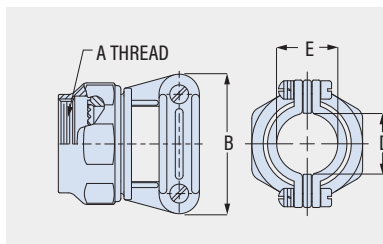
PORT LOCATIONS



PART NUMBER

Sample PN →		527-257	M	P1	A1	5	B1	4	C1	3	
Base P/N	527-257										
Finish	M	Electroless Nickel									
	MT	Nickel-PTFE									
	TZ	Tin-Zinc									
	NF	Olive Drab Cadmium									
Connector Code	P	P1	P2	P3	P5	P6	See Table 1				
Port A	Clamp Type	A1	Saddle Clamp								
		A2	Saddle Clamp with EMI Braid Sock								
	A-	Accessory Thread (no clamp)									
Size	1	2	3	4	5	6	7	See Table 2			
Port B	Clamp Type	B1	Saddle Clamp								
		B2	Saddle Clamp with EMI Braid Sock								
	B-	Accessory Thread (no clamp)									
Size	1	2	3	4	5	6	7	See Table 2			
Port C	Clamp Type	C1	Saddle Clamp								
		C2	Saddle Clamp with EMI Braid Sock								
	C-	Accessory Thread (no clamp)									
Size	1	2	3	4	5	6	7	See Table 2			

CLAMP STYLE A1, B1 (620HS042)



CLAMP STYLE A2, B2 (447HS557)

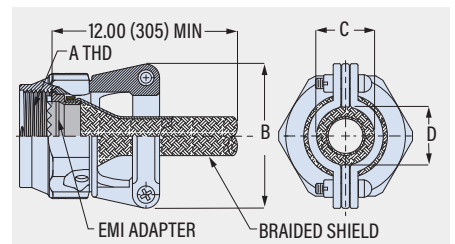


TABLE 2
CLAMP SIZE

Size Code	A Thread X1.0	B Max		C ±.031(0.8)		D Min		E ±.031(0.8)	
		in	mm	in	mm	in	mm	in	mm
1	M12	.98	24.9	.265	6.7	.22	5.6	.219	5.6
2	M15	1.05	26.7	.310	7.9	.27	6.9	.264	6.7
3	M18	1.20	30.5	.390	9.9	.35	8.9	.344	8.7
4	M22	1.30	33.0	.506	12.9	.47	11.9	.460	11.7
5	M25	1.44	36.6	.591	15.0	.55	14.0	.545	13.8
6	M28	1.56	39.6	.661	16.8	.62	15.7	.615	15.6
7	M31	1.69	42.9	.744	18.9	.70	17.8	.698	17.7

ARINC 600 / M83527 ACCESSORIES

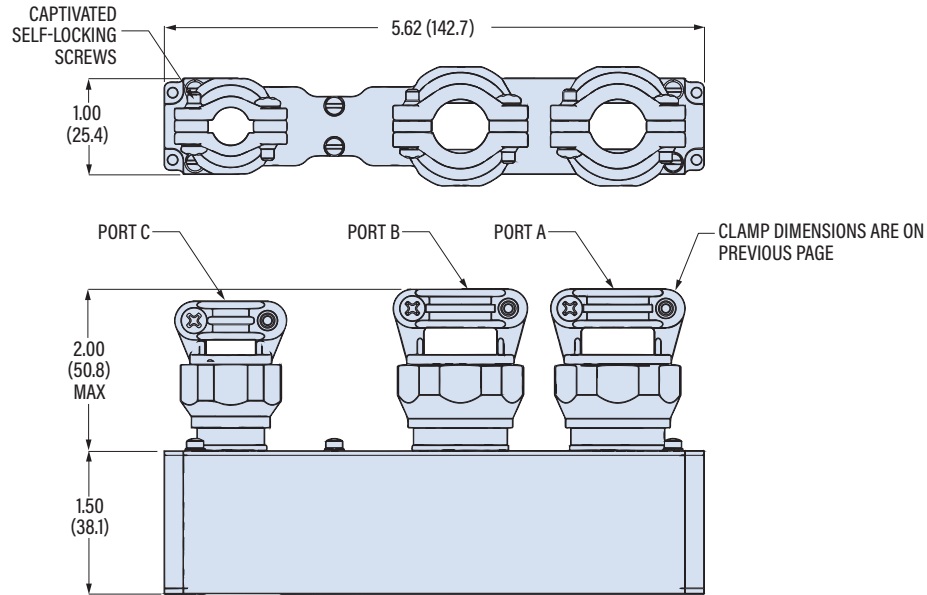
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MATERIAL/ FINISH

Shell, lid, ports: aluminum
 Style 1 Clamp: polyetherimide (PEI), natural tan color
 Style 2 Clamp: polyetherimide (PEI). Body is natural tan color, coupling nut and saddles are black. EMI adapter: brass, plated per finish code. Crimp ring: copper/tin. Braid: 34 AWG nickel-coated copper, type AA59569R34N
 Screws, washers: stainless steel/passivated
 Clinch nuts: stainless steel/silver
 Anti-decoupling spring: thermoplastic

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