

AS85049 Backshells

backshells with cable clamps for MIL-DTL-38999 connectors



Apollo Aerospace Components are a franchised distributor of selected mil-specification connectors for leading QPL manufacturers. We offer a comprehensive inventory of backshells, contacts and connector accessories.

AS85049 backshells are coupled to the rear of the connector body in order to support and strain relieve the cable entry to the rear of the connector.

AS85049 backshells with cable strain relief clamps are available either straight or 90 degrees. Coupling is either self-locking or non self-locking.



Product Features

Material: Aluminium or Stainless Steel

Plating Options: Cadmium Olive Drab over Electroless Nickel. Aluminium, Black Anodize. Aluminium, Electroless Nickel

Coupling: Self-Locking or Non-Self-Locking

Backshells for Military & Aerospace applications are governed by the SAE and the now ratified AS85049 standard. All existing M85049 documents have been superseded by the new AS85049 standard.

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How to order AS85049 backshells for MIL-DTL-38999 connectors

M85049/38 and M85049/39 backshells with cable clamp for MIL-DTL-38999 Series III and IV connectors

Type	Connector Size	Cable Entry	Coupling Nut		Cable Diameter (mm)	
			Diameter (mm)	Thread	from	to
M85049/38S09W	9	straight	19.0/19.8	M12x1	2.5	5.9
M85049/38S11W	11	straight	21.2/22.7	M15x1	3.9	5.9
M85049/38S13W	13	straight	25.0/26.6	M18x1	4.8	8.3
M85049/38S15W	15	straight	28.9/30.1	M22x1	6.6	11.6
M85049/38S17W	17	straight	31.7/33.6	M25x1	7.2	15.6
M85049/38S19W	19	straight	35.5/36.1	M28x1	8.3	16.1
M85049/38S21W	21	straight	39.2/39.4	M31x1	8.7	17.7
M85049/38S23W	23	straight	41.8/42.5	M34x1	9.7	20.9
M85049/38S25W	25	straight	43.7/45.6	M37x1	10.6	21.7
M85049/3909W	9	90degrees	19.0/19.8	M12x1	2.5	5.9
M85049/3911W	11	90degrees	21.2/22.7	M15x1	3.9	5.9
M85049/3913W	13	90degrees	25.0/26.6	M18x1	4.8	8.3
M85049/3915W	15	90degrees	28.9/30.1	M22x1	6.6	11.6
M85049/3917W	17	90degrees	31.7/33.6	M25x1	7.2	15.6
M85049/3919W	19	90degrees	35.5/36.1	M28x1	8.3	16.1
M85049/3921W	21	90degrees	39.2/39.4	M31x1	8.7	17.7
M85049/3923W	23	90degrees	41.8/42.5	M34x1	9.7	20.9
M85049/3925W	25	90degrees	43.7/45.6	M37x1	10.6	21.7

M85049/49-2 and M85049/47 backshells with cable clamp for MIL-DTL-38999 Series I and II connectors

Type	Connector Size	Cable Entry	Coupling Nut		Cable Diameter (mm)	
			Diameter (mm)	Thread	from	to
M85049/49-2S08W	8/9	straight	19.0/19.8	0.438-28 UNEF	2.5	5.9
M85049/49-2S10W	10/11	straight	21.2/22.7	0.562-24 UNEF	3.9	5.9
M85049/49-2S12W	12/13	straight	25.0/26.6	0.688-24 UNEF	4.8	8.3
M85049/49-2S14W	14/15	straight	28.9/30.1	0.813-20 UNEF	6.6	11.6
M85049/49-2S16W	16/17	straight	31.7/33.6	0.938-20 UNEF	7.2	15.6
M85049/49-2S18W	18/19	straight	35.5/36.1	1.063-18 UNEF	8.3	16.1
M85049/49-2S20W	20/21	straight	39.2/39.4	1.188-18 UNEF	8.7	17.7
M85049/49-2S22W	22/23	straight	41.8/42.5	1.313-18 UNEF	9.7	20.9
M85049/49-2S24W	24/25	straight	43.7/45.6	1.438-18 UNEF	10.6	21.7
M85049/47SW08	8/9	90degrees	19.0/19.8	0.438-28 UNEF	2.5	5.9
M85049/47SW10	10/11	90degrees	21.2/22.7	0.562-24 UNEF	3.9	5.9
M85049/47SW12	12/13	90degrees	25.0/26.6	0.688-24 UNEF	4.8	8.3
M85049/47SW14	14/15	90degrees	28.9/30.1	0.813-20 UNEF	6.6	11.6
M85049/47SW16	16/17	90degrees	31.7/33.6	0.938-20 UNEF	7.2	15.6
M85049/47SW18	18/19	90degrees	35.5/36.1	1.063-18 UNEF	8.3	16.1
M85049/47SW20	20/21	90degrees	39.2/39.4	1.188-18 UNEF	8.7	17.7
M85049/47SW22	22/23	90degrees	41.8/42.5	1.313-18 UNEF	9.7	20.9
M85049/47SW24	24/25	90degrees	43.7/45.6	1.438-18 UNEF	10.6	21.7

W = Finish Aluminium, 500 hour Cadmium Olive Drab over Electroless Nickel.

Other options include A = Aluminium, Black Anodize, N = Aluminium, Electroless Nickel,

S = Steel Passivated. S = Self-Locking Replace with a dash - for non Self-Locking.