

REVISIONS



SELF-LOCKING SHIELD BAND TERMINATION SHRINK BOOT ACCOMMODATION 45° ADAPTOR

1. THIS PRODUCT IS DESIGNED TO TERMINATE A BRAIDED CABLE SHIELD AND A HEAT SHRINKABLE LIPPED BOOT TO A CONNECTOR, AND DESIGNED TO MEET REQUIREMENTS OF AS85049/83.
2. ALL COMPONENTS SHALL BE PACKAGED AND SUPPLIED IN A PLASTIC BAG AND LABELED WITH M85049/83 DESIGNATION. e.g. M85049/83-16W03.
3. THIS ADAPTOR MATES TO CONNECTOR SAE-AS50151 CRIMP, MIL-DTL-26482 SERIES 2, SAE-AS81703 SERIES 3, AND MIL-DTL-83723 SERIES III.
4. PART SUPPLIED WITH STANDARD DETENTED SELF-LOCKING WHICH PROVIDES A POSITIVE AUDIBLE DETENTED COUPLING.
5. CATEGORY 3B - MEDIUM DUTY - NON-ENVIRONMENTAL
6. FOR MATERIALS AND PLATING FINISHES INFORMATION REFER TO R85049.
FOR ALTERNATIVE MATERIALS AND PLATING FINISHES CONTACT TE CONNECTIVITY.

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DIMENSIONS: INCHES	DWN: N.HAWKINS	05/06/2019	MATERIAL: SEE P/N BREAKDOWN	FINISH: SEE P/N BREAKDOWN				
TOLERANCES UNLESS OTHERWISE SPECIFIED: GENERAL TOL LINEAR ±.01" ANGULAR ±1°	CHK: R.STYLES	14/06/2019	STE TE Connectivity					
	APVD: M.PAUL	27/06/2019	PART NUMBER: R85049/83 SERIES					
	PRODUCT SPEC: -		NAME: Connector Accessories, Electrical, Backshell, 45 Deg, Self-Locking, Shield Band Termination (RFI/EMI), Shrink Sleeve Accommodation, Category 3B					
	APPLICATION SPEC: -		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO		
	WEIGHT:		A4	06090	©=P45757			
CUSTOMER DRAWING			SCALE	1.5:1	SHEET	1 OF 2	REV	CA

REVISIONS



TABLE 1

ACCESSORY SHELL SIZE	FOR CONNECTOR SHELL SIZE (REF)				THREAD	A MAX DIA	B DIA ±.010 ENTRY SIZE		C DIA REF		D MAX	E MAX	G MAX. WITH C		H (REF) WITH C	
	AS81703 SERIES 3	MIL-DTL-26482 SERIES 2	AS50151 CRIMP	MIL-DTL-83723 SERIES III			02	03	02	03			02	03	02	03
08	---	8	8S	8	1/2-20 UNEF	.885 (22.48)	N/A	.250 (6.35)	N/A	.395 (10.03)	.87 (22.10)	1.16 (29.46)	N/A	1.830 (46.48)	N/A	2.135 (54.23)
10	---	10	10S, 10SL	10	5/8-24 UNEF	1.010 (25.65)	N/A	.312 (7.92)	N/A	.457 (11.61)	.89 (22.61)	1.18 (29.97)	N/A	1.886 (47.90)	N/A	2.191 (55.65)
12	7	12	12S AND 12	12	3/4-20 UNEF	1.135 (28.83)	.312 (7.92)	.438 (11.13)	.457 (11.61)	.583 (14.81)	.92 (23.37)	1.20 (30.48)	1.930 (49.02)	1.975 (50.17)	2.235 (56.77)	2.280 (57.91)
14	12	14	14S AND 14	14	7/8-20 UNEF	1.260 (32.00)	.438 (11.13)	.562 (14.27)	.583 (14.81)	.707 (17.96)	.94 (23.88)	1.22 (30.99)	2.009 (51.03)	2.053 (52.15)	2.314 (58.78)	2.358 (59.89)
16	19	16	16S AND 16	16	1-20 UNEF	1.385 (35.18)	.500 (12.70)	.625 (15.88)	.645 (16.38)	.770 (19.56)	.94 (24.38)	1.25 (31.75)	2.072 (52.63)	2.116 (53.75)	2.377 (60.38)	2.421 (61.49)
18	27	18	18	18	1 1/16-18 UNEF	1.510 (38.35)	.625 (15.88)	.750 (19.05)	.770 (19.56)	.895 (22.73)	.98 (24.89)	1.26 (32.00)	2.143 (54.43)	2.187 (55.55)	2.448 (62.18)	2.492 (63.30)
20	37	20	20	20	1 3/16-18 UNEF	1.635 (41.53)	.625 (15.88)	.812 (20.62)	.770 (19.56)	.957 (24.31)	1.00 (25.40)	1.29 (32.77)	2.184 (55.47)	2.251 (57.18)	2.489 (63.22)	2.556 (64.92)
22	---	22	22	22	1 5/16-18 UNEF	1.760 (44.70)	.688 (17.48)	.938 (23.83)	.829 (21.06)	1.083 (27.51)	1.03 (26.16)	1.31 (33.27)	2.249 (57.12)	2.339 (59.41)	2.554 (64.87)	2.644 (67.16)
24	---	24	24	24	1 7/16-18 UNEF	1.885 (47.88)	.750 (19.05)	1.000 (25.40)	.895 (22.73)	1.145 (29.08)	1.05 (26.67)	1.34 (34.04)	2.314 (58.78)	2.402 (61.01)	2.619 (66.52)	2.707 (68.76)
28	---	---	28	---	1 3/4-18 UNS	2.135 (54.23)	.875 (22.23)	1.125 (28.58)	1.020 (25.91)	1.270 (32.26)	1.10 (27.94)	1.38 (35.05)	2.594 (65.89)	2.683 (68.15)	3.061 (77.75)	3.150 (80.01)

METRIC EQUIVALENTS ARE IN PARENTHESIS AND ARE GIVEN FOR GENERAL INFORMATION ONLY

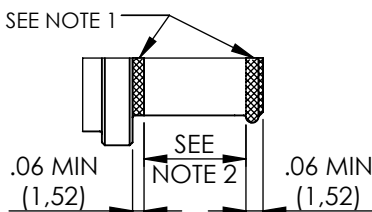
TABLE 2

CODE	FINISH
N	ELECTROLESS NICKEL (96HRS SALT SPRAY RESISTANCE)
W	CADMIUM OLIVE DRAB OVER ELECTROLESS NICKEL (1000HRS SALT SPRAY RESISTANCE)
Z	ZINC NICKEL BLACK PASSIVATE OVER ELECTROLESS NICKEL (1000HRS SALT SPRAY RESISTANCE)
P	CADMIUM OLIVE DRAB OVER ELECTROLESS NICKEL (SELECTIVE PLATING)

NOTES FOR SELECTIVE PLATING: -

1. CADMIUM/NICKEL INTERFACE SHALL BE COATED WITH POLYSULFIDE SEALANT.
2. AREA FREE OF CADMIUM.

SELECTIVE PLATING



BASIC PART NUMBER _____
 SPECIFICATION SHEET _____
 CONFIGURATION _____
 - (DASH) FOR SELF-LOCKING _____
 CONNECTOR SHELL SIZE (TABLE 1) _____
 FINISH (TABLE 2) _____
 ENTRY SIZE (TABLE 1) _____

R85049/83-16W03

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	CHK: R.STYLES	14/06/2019	TE Connectivity				
TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD: M.PAUL	27/06/2019			PART NUMBER:	R85049/83 SERIES	
GENERAL TOL LINEAR ±.01" ANGULAR ±1°	PRODUCT SPEC:	-	NAME: Connector Accessories, Electrical, Backshell, 45 Deg, Self-Locking, Shield Band Termination (RFI/EMI), Shrink Sleeve Accommodation, Category 3B				
	APPLICATION SPEC:	-	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO	
	WEIGHT:	-	A4	06090	Ⓒ=P45757	-	
	CUSTOMER DRAWING	SCALE		1:1	SHEET	2 OF 2	REV

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