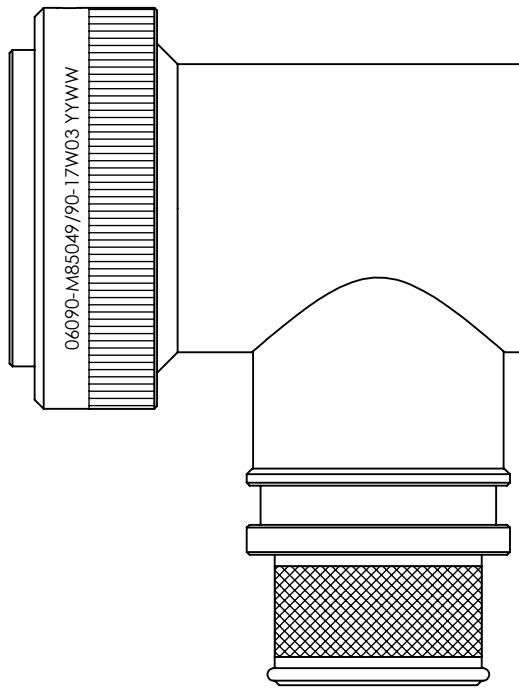


## REVISIONS



**SELF-LOCKING  
SHIELD BAND TERMINATION  
SHRINK BOOT ACCOMMODATION 90° ADAPTOR**

RELEASED FOR PUBLICATION

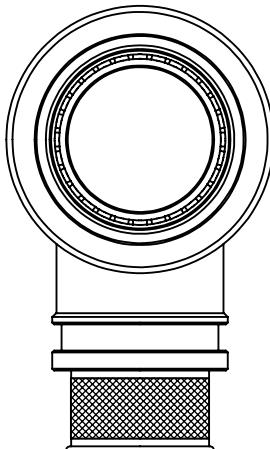
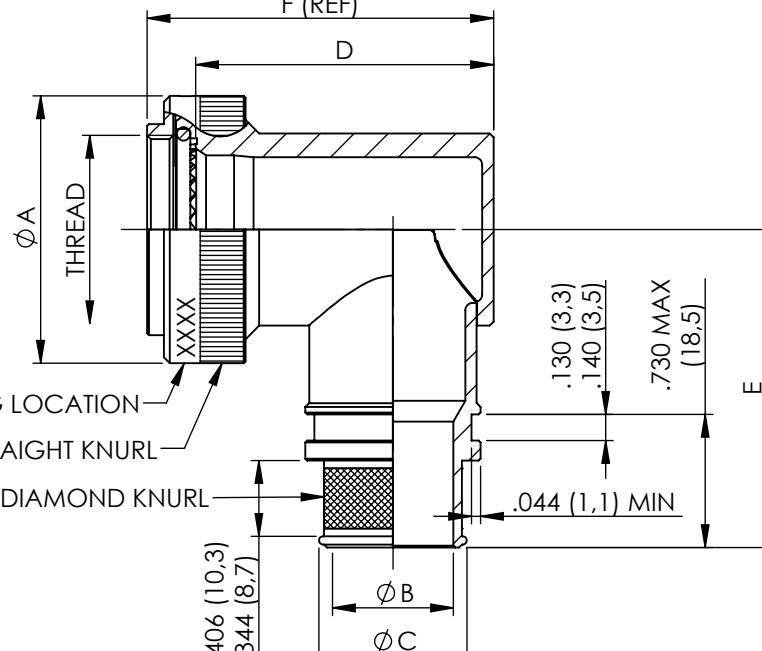
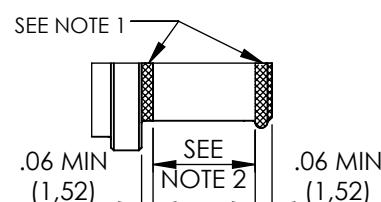
ALL RIGHTS RESERVED.

THIS DRAWING IS UNPUBLISHED.

© COPYRIGHT 20 BY

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 AS85049/90.
2. ALL COMPONENTS SHALL BE PACKAGED AND SUPPLIED IN A PLASTIC BAG AND LABELED WITH M85049/90 DESIGNATION. e.g. M85049/90-17W03
3. THIS ADAPTOR MATES TO CONNECTOR MIL-DTL-38999 SERIES III & IV.
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.

DIMENSIONS: INCHES	DWN: N.HAWKINS	10/06/2019	MATERIAL: SEE P/N BREAKDOWN	FINISH: SEE P/N BREAKDOWN
	CHK: R.STYLES	14/06/2019	<b>TE</b> TE Connectivity	
TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD: M.PAUL	27/06/2019	PART NUMBER: R85049/90 SERIES	
GENERAL TOL LINEAR $\pm 0.01"$ ANGULAR $\pm 1°$	PRODUCT SPEC: -		NAME: Connector Accessories, Electrical, Backshell, 90 DEG, Self-Locking, Shield Band Termination (RFI/EMI), Shrink Boot Accommodation, Category 3B	
	APPLICATION SPEC: -	SIZE A4	CAGE CODE 06090	DRAWING NO C-P45768
	WEIGHT:			RESTRICTED TO
	CUSTOMER DRAWING		SCALE 1.5:1	SHEET 1 OF 2
				REV BA

<p>THIS DRAWING IS UNPUBLISHED. © COPYRIGHT 20 BY</p> <p>ALL RIGHTS RESERVED.</p> <p>RELEASED FOR PUBLICATION</p>	<div style="text-align: center; margin-bottom: 10px;"> <b>REVISIONS</b> </div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center; width: 30%;">  </div> <div style="width: 60%;">  </div> </div> <div style="text-align: center; margin-top: 10px;"> <b>TABLE 1</b> </div> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">ACCESSORY SHELL SIZE</th> <th rowspan="2">SHELL SIZE CODE</th> <th rowspan="2">THREAD</th> <th rowspan="2">A MAX DIA</th> <th colspan="2">B DIA <math>\pm .010</math> ENTRY SIZE</th> <th colspan="2">C DIA REF</th> <th rowspan="2">D MAX</th> <th rowspan="2">E MAX</th> <th rowspan="2">F (REF)</th> </tr> <tr> <th>02</th> <th>03</th> <th>02</th> <th>03</th> </tr> </thead> <tbody> <tr><td>09</td><td>A</td><td>M12 x 1.0</td><td>.858 (21.79)</td><td>N/A</td><td>.250 (6.35)</td><td>N/A</td><td>.395 (10.03)</td><td>1.375 (34.93)</td><td>1.417 (35.99)</td><td>1.623 (41.22)</td></tr> <tr><td>11</td><td>B</td><td>M15 x 1.0</td><td>.984 (24.99)</td><td>N/A</td><td>.312 (7.92)</td><td>N/A</td><td>.457 (11.61)</td><td>1.437 (36.50)</td><td>1.480 (37.59)</td><td>1.685 (42.80)</td></tr> <tr><td>13</td><td>C</td><td>M18 x 1.0</td><td>1.157 (29.39)</td><td>.312 (7.92)</td><td>.438 (11.13)</td><td>.457 (11.61)</td><td>.583 (14.81)</td><td>1.562 (39.67)</td><td>1.553 (39.45)</td><td>1.810 (45.97)</td></tr> <tr><td>15</td><td>D</td><td>M22 x 1.0</td><td>1.279 (32.49)</td><td>.438 (11.13)</td><td>.562 (14.27)</td><td>.583 (14.81)</td><td>.707 (17.96)</td><td>1.687 (42.85)</td><td>16.14 (41.00)</td><td>1.935 (49.15)</td></tr> <tr><td>17</td><td>E</td><td>M25 x 1.0</td><td>1.406 (35.71)</td><td>.500 (12.70)</td><td>.625 (15.88)</td><td>.645 (16.38)</td><td>.770 (19.56)</td><td>1.750 (44.45)</td><td>1.678 (42.62)</td><td>1.998 (50.75)</td></tr> <tr><td>19</td><td>F</td><td>M28 x 1.0</td><td>1.516 (38.51)</td><td>.625 (15.88)</td><td>.750 (19.05)</td><td>.770 (19.56)</td><td>.895 (22.73)</td><td>1.875 (47.63)</td><td>1.773 (45.03)</td><td>2.123 (53.92)</td></tr> <tr><td>21</td><td>G</td><td>M31 x 1.0</td><td>1.621 (41.71)</td><td>.625 (15.88)</td><td>.812 (20.62)</td><td>.770 (19.56)</td><td>.957 (24.31)</td><td>1.938 (49.23)</td><td>1.796 (45.62)</td><td>2.186 (55.52)</td></tr> <tr><td>23</td><td>H</td><td>M34 x 1.0</td><td>1.768 (44.91)</td><td>.688 (17.48)</td><td>.938 (23.83)</td><td>.829 (21.06)</td><td>1.083 (27.51)</td><td>2.062 (52.37)</td><td>1.859 (47.22)</td><td>2.310 (58.67)</td></tr> <tr><td>25</td><td>J</td><td>M37 x 1.0</td><td>1.889 (47.98)</td><td>.750 (19.05)</td><td>1.000 (25.40)</td><td>.895 (22.73)</td><td>1.145 (29.08)</td><td>2.125 (53.98)</td><td>1.919 (48.74)</td><td>2.373 (60.27)</td></tr> </tbody> </table> <p style="text-align: center;">METRIC EQUIVALENTS ARE IN PARENTHESIS AND ARE GIVEN FOR GENERAL INFORMATION ONLY</p> <div style="text-align: center; margin-top: 10px;"> <b>TABLE 2</b> </div> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CODE</th> <th>FINISH</th> </tr> </thead> <tbody> <tr><td>N</td><td>ELECTROLESS NICKEL (96HRS SALT SPRAY RESISTANCE)</td></tr> <tr><td>W</td><td>CADMUM OLIVE DRAB OVER ELECTROLESS NICKEL (1000HRS SALT SPRAY RESISTANCE)</td></tr> <tr><td>Z</td><td>ZINC NICKEL BLACK PASSIVATE OVER ELECTROLESS NICKEL (1000HRS SALT SPRAY RESISTANCE)</td></tr> <tr><td>P</td><td>CADMUM OLIVE DRAB OVER ELECTROLESS NICKEL (SELECTIVE PLATING)</td></tr> </tbody> </table> <div style="text-align: right; margin-top: 10px;">     NOTES FOR SELECTIVE PLATING: -     <ul style="list-style-type: none"> <li>1. CADMUM/NICKEL INTERFACE SHALL BE COATED WITH POLYSULFIDE SEALANT.</li> <li>2. AREA FREE OF CADMUM.</li> </ul> </div> <div style="text-align: right; margin-top: 10px;"> <b>R85049/90-17W03</b> </div> <div style="text-align: center; margin-top: 10px;"> <b>SELECTIVE PLATING</b> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 30%;">  </div> <div style="width: 70%;"> <p>BASIC PART NUMBER _____</p> <p>SPECIFICATION SHEET _____</p> <p>CONFIGURATION _____</p> <p>- (DASH) FOR SELF-LOCKING</p> <p>CONNECTOR SHELL SIZE (TABLE 1) _____</p> <p>FINISH (TABLE 2) _____</p> <p>ENTRY SIZE (TABLE 1) _____</p> </div> </div> <div style="text-align: center; margin-top: 10px;"> <b>DIMENSIONS: INCHES</b> </div> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 20%;"> <p>DWN: N.HAWKINS 10/06/2019</p> <p>CHK: R.STYLES 14/06/2019</p> <p>APVD: M.PAUL 27/06/2019</p> <p>PRODUCT SPEC: -</p> <p>APPLICATION SPEC: -</p> <p>WEIGHT: _____</p> </div> <div style="width: 20%;"> <p>MATERIAL: SEE P/N BREAKDOWN</p> <p>PART NUMBER: R85049/90 SERIES</p> <p>NAME: Connector Accessories, Electrical, Backshell, 90 DEG, Self-Locking, Shield Band Termination (RFI/EMI), Shrink Boot Accommodation, Category 3B</p> </div> <div style="width: 20%;"> <p>FINISH: SEE P/N BREAKDOWN</p> <p>TE Connectivity</p> <p>SIZE: A4 CAGE CODE: 06090 DRAWING NO: C-P45768 RESTRICTED TO: _____</p> </div> </div> <div style="text-align: center; margin-top: 10px;"> <b>CUSTOMER DRAWING</b> </div> <div style="text-align: center; margin-top: 10px;">     SCALE 1:1 SHEET 2 OF 2 REV BA </div>	ACCESSORY SHELL SIZE	SHELL SIZE CODE	THREAD	A MAX DIA	B DIA $\pm .010$ ENTRY SIZE		C DIA REF		D MAX	E MAX	F (REF)	02	03	02	03	09	A	M12 x 1.0	.858 (21.79)	N/A	.250 (6.35)	N/A	.395 (10.03)	1.375 (34.93)	1.417 (35.99)	1.623 (41.22)	11	B	M15 x 1.0	.984 (24.99)	N/A	.312 (7.92)	N/A	.457 (11.61)	1.437 (36.50)	1.480 (37.59)	1.685 (42.80)	13	C	M18 x 1.0	1.157 (29.39)	.312 (7.92)	.438 (11.13)	.457 (11.61)	.583 (14.81)	1.562 (39.67)	1.553 (39.45)	1.810 (45.97)	15	D	M22 x 1.0	1.279 (32.49)	.438 (11.13)	.562 (14.27)	.583 (14.81)	.707 (17.96)	1.687 (42.85)	16.14 (41.00)	1.935 (49.15)	17	E	M25 x 1.0	1.406 (35.71)	.500 (12.70)	.625 (15.88)	.645 (16.38)	.770 (19.56)	1.750 (44.45)	1.678 (42.62)	1.998 (50.75)	19	F	M28 x 1.0	1.516 (38.51)	.625 (15.88)	.750 (19.05)	.770 (19.56)	.895 (22.73)	1.875 (47.63)	1.773 (45.03)	2.123 (53.92)	21	G	M31 x 1.0	1.621 (41.71)	.625 (15.88)	.812 (20.62)	.770 (19.56)	.957 (24.31)	1.938 (49.23)	1.796 (45.62)	2.186 (55.52)	23	H	M34 x 1.0	1.768 (44.91)	.688 (17.48)	.938 (23.83)	.829 (21.06)	1.083 (27.51)	2.062 (52.37)	1.859 (47.22)	2.310 (58.67)	25	J	M37 x 1.0	1.889 (47.98)	.750 (19.05)	1.000 (25.40)	.895 (22.73)	1.145 (29.08)	2.125 (53.98)	1.919 (48.74)	2.373 (60.27)	CODE	FINISH	N	ELECTROLESS NICKEL (96HRS SALT SPRAY RESISTANCE)	W	CADMUM OLIVE DRAB OVER ELECTROLESS NICKEL (1000HRS SALT SPRAY RESISTANCE)	Z	ZINC NICKEL BLACK PASSIVATE OVER ELECTROLESS NICKEL (1000HRS SALT SPRAY RESISTANCE)	P	CADMUM OLIVE DRAB OVER ELECTROLESS NICKEL (SELECTIVE PLATING)
ACCESSORY SHELL SIZE	SHELL SIZE CODE					THREAD	A MAX DIA	B DIA $\pm .010$ ENTRY SIZE					C DIA REF		D MAX	E MAX	F (REF)																																																																																																												
		02	03	02	03																																																																																																																								
09	A	M12 x 1.0	.858 (21.79)	N/A	.250 (6.35)	N/A	.395 (10.03)	1.375 (34.93)	1.417 (35.99)	1.623 (41.22)																																																																																																																			
11	B	M15 x 1.0	.984 (24.99)	N/A	.312 (7.92)	N/A	.457 (11.61)	1.437 (36.50)	1.480 (37.59)	1.685 (42.80)																																																																																																																			
13	C	M18 x 1.0	1.157 (29.39)	.312 (7.92)	.438 (11.13)	.457 (11.61)	.583 (14.81)	1.562 (39.67)	1.553 (39.45)	1.810 (45.97)																																																																																																																			
15	D	M22 x 1.0	1.279 (32.49)	.438 (11.13)	.562 (14.27)	.583 (14.81)	.707 (17.96)	1.687 (42.85)	16.14 (41.00)	1.935 (49.15)																																																																																																																			
17	E	M25 x 1.0	1.406 (35.71)	.500 (12.70)	.625 (15.88)	.645 (16.38)	.770 (19.56)	1.750 (44.45)	1.678 (42.62)	1.998 (50.75)																																																																																																																			
19	F	M28 x 1.0	1.516 (38.51)	.625 (15.88)	.750 (19.05)	.770 (19.56)	.895 (22.73)	1.875 (47.63)	1.773 (45.03)	2.123 (53.92)																																																																																																																			
21	G	M31 x 1.0	1.621 (41.71)	.625 (15.88)	.812 (20.62)	.770 (19.56)	.957 (24.31)	1.938 (49.23)	1.796 (45.62)	2.186 (55.52)																																																																																																																			
23	H	M34 x 1.0	1.768 (44.91)	.688 (17.48)	.938 (23.83)	.829 (21.06)	1.083 (27.51)	2.062 (52.37)	1.859 (47.22)	2.310 (58.67)																																																																																																																			
25	J	M37 x 1.0	1.889 (47.98)	.750 (19.05)	1.000 (25.40)	.895 (22.73)	1.145 (29.08)	2.125 (53.98)	1.919 (48.74)	2.373 (60.27)																																																																																																																			
CODE	FINISH																																																																																																																												
N	ELECTROLESS NICKEL (96HRS SALT SPRAY RESISTANCE)																																																																																																																												
W	CADMUM OLIVE DRAB OVER ELECTROLESS NICKEL (1000HRS SALT SPRAY RESISTANCE)																																																																																																																												
Z	ZINC NICKEL BLACK PASSIVATE OVER ELECTROLESS NICKEL (1000HRS SALT SPRAY RESISTANCE)																																																																																																																												
P	CADMUM OLIVE DRAB OVER ELECTROLESS NICKEL (SELECTIVE PLATING)																																																																																																																												