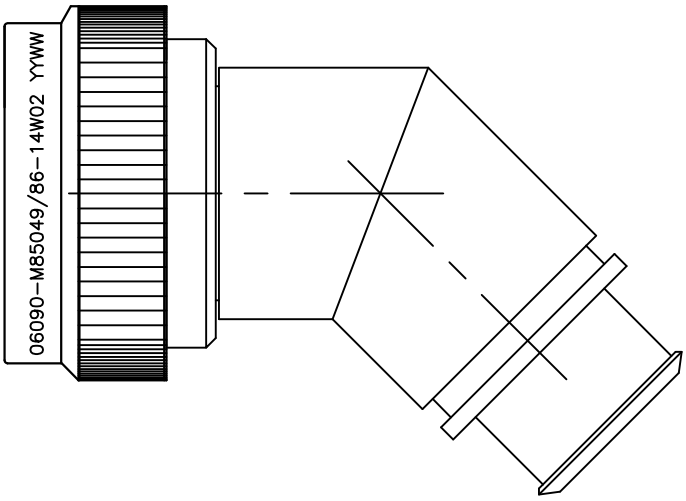
REVISION			
REV	DESCRIPTION	DATE	APPROVED
A2	REVISED PER ECO-15-003975	3/13/15	I. MYONG



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

NOTES

1. THIS PRODUCT IS DESIGNED TO TERMINATE A BRAIDED CABLE SHIELD AND A HEAT SHRINKABLE LIPPED BOOT TO A CONNECTOR, AND DESIGNED TO MEET PERFORMANCE REQUIREMENT OF AS85049/86.

2. ALL COMPONENTS SHALL BE PACKAGED AND SUPPLIED IN A PLASTIC BAG AND LABELED WITH M85049/86 DESIGNATION e. g. M85049/86-14W02.

3. PART SUPPLIED WITH STANDARD DETENTED SELF-LOCKING WHICH PROVIDES A POSITIVE AUDIBLE DETENTED COUPLING.

4. THIS ADAPTER MATES TO CONNECTOR MIL-DTL-38999 SERIES I AND MIL-DTL-38999 SERIES II.

5. FOR MATERIAL AND FINISH INFORMATION REFER TO R85049.
   FOR ALTERNATIVE MATERIALS AND PLATING FINISHES CONTACT TE CONNECTIVITY.

If this document is printed it becomes uncontrolled. Check for the latest revision

© 2015 Tyco Electronics Corporation. All rights reserved.

Raychem Adapters
CUSTOMER DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
DECIMALS: .000 ± .005, .00 ± .01, .0 ± .1
ANGLES: ± 1°

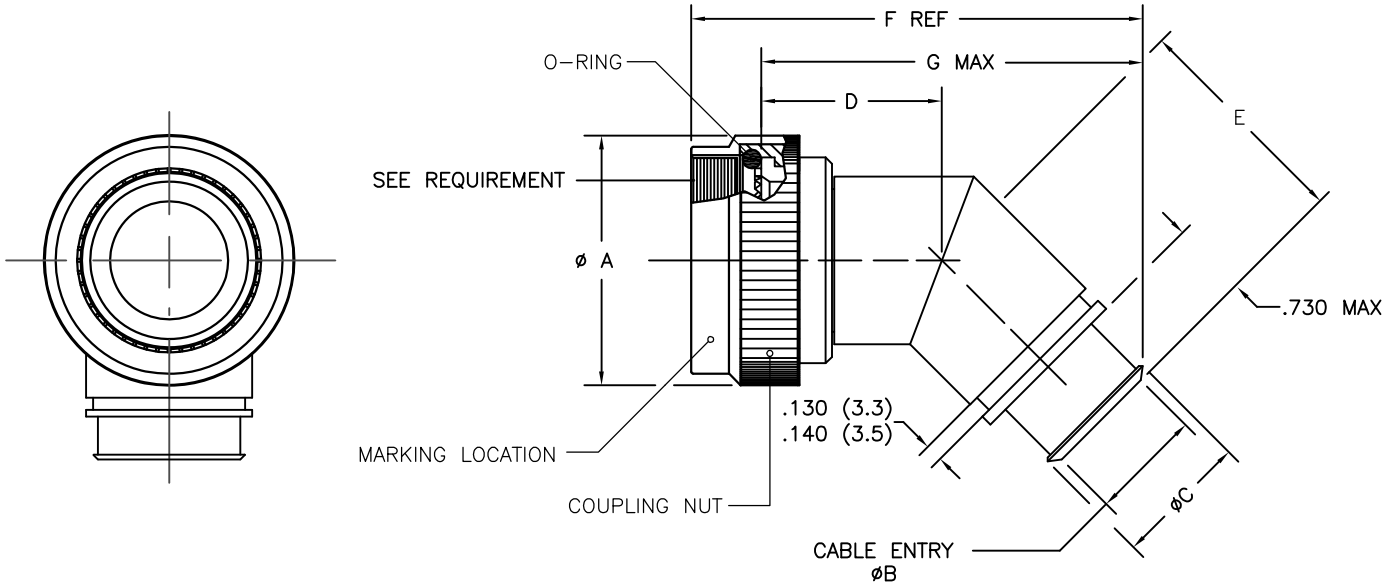
TE Connectivity

TYCO ELECTRONICS RESERVES THE RIGHT TO AMEND THIS DRAWING AT ANYTIME. USERS SHOULD EVALUATE THE SUITABILITY OF THE PRODUCT FOR THEIR APPLICATION.

TITLE: BACKSHELL, 45°, SELF-LOCKING SHIELD BAND TERMINATION, SHRINK BOOT ACCOMMODATION, CATEGORY 3B

DRAWING NO: R85049/86

DRAWN:	CAD FILE:	CAGE CODE:	RPN:	SIZE:	SCALE:	THIRD ANGLE PROJ.	SHEET:
T. NGUYEN	R85049-86_CD.dwg	06090	N/A	A			1_OF_3



PART NUMBERING R85049/86 - 14 W 02

- SPECIFICATION SHEET
- CONFIGURATION:
  - (DASH) DETENTED SELF-LOCKING
- ORDER NO.
- FINISH
- ENTRY SIZE

If this document is printed it becomes uncontrolled. Check for the latest revision

© 2015 Tyco Electronics Corporation. All rights reserved.

Raychem Adapters
CUSTOMER DRAWING

TE Connectivity		DRAWING NO: R85049/86				
CAD FILE: R85049-86_CD.DWG	CAGE CODE: 06090	RPN: N/A	SIZE: A	SCALE:	THIRD ANGLE PROJ.	SHEET: 2_OF_3

ORDER NUMBER	CONNECTOR SHELL SIZE		TABLE I – SHELL SIZE AND DIMENSIONS				
			ØA MAX	ØB ±.010 ENTRY SIZE		ØC REF	
	SERIES I	SERIES II		01	02	01	02
8	9	8	.86 (21.8)	N/A	.25 (6.4)	N/A	.39 (10.0)
10	11	10	.98 (25.0)	N/A	.31 (7.9)	N/A	.46 (11.6)
12	13	12	1.16 (29.4)	.31 (7.9)	.44 (11.1)	.46 (11.6)	.58 (14.8)
14	15	14	1.28 (32.5)	.44 (11.1)	.56 (14.3)	.58 (14.8)	.71 (18.0)
16	17	16	1.41 (35.7)	.50 (12.7)	.63 (15.9)	.65 (16.4)	.77 (19.6)
18	19	18	1.52 (38.5)	.63 (15.9)	.75 (19.1)	.77 (19.6)	.89 (22.7)
20	21	20	1.64 (41.7)	.63 (15.9)	.81 (20.6)	.77 (19.6)	.96 (24.3)
22	23	22	1.77 (44.9)	.69 (17.5)	.94 (23.8)	.83 (21.1)	1.08 (27.5)
24	25	24	1.89 (48.0)	.75 (19.1)	1.00 (25.4)	.89 (22.7)	1.15 (29.1)

ORDER NUMBER	CONNECTOR SHELL SIZE		TABLE I – SHELL SIZE AND DIMENSIONS (CONTINUES)					
			D MAX	E MAX	F (REF)		G MAX	
	SERIES I	SERIES II			02	03	02	03
8	9	8	.87 (22.1)	1.16 (29.5)	1.88 (47.7)	2.02 (51.3)	1.69 (42.9)	1.83 (46.5)
10	11	10	.90 (22.7)	1.19 (30.2)	1.93 (49.0)	2.09 (53.1)	1.74 (44.2)	1.90 (48.3)
12	13	12	.92 (23.4)	1.21 (30.7)	2.13 (54.1)	2.17 (55.1)	1.94 (49.3)	1.98 (50.3)
14	15	14	.95 (24.1)	1.24 (31.5)	2.22 (56.4)	2.27 (57.6)	2.03 (51.6)	2.08 (52.8)
16	17	16	.98 (24.9)	1.26 (32.0)	2.29 (58.2)	2.33 (59.2)	2.10 (53.3)	2.14 (54.4)
18	19	18	.98 (24.9)	1.27 (32.3)	2.34 (59.4)	2.38 (60.5)	2.15 (54.6)	2.19 (55.6)
20	21	20	1.01 (25.6)	1.30 (33.0)	2.39 (60.7)	2.46 (62.5)	2.20 (55.9)	2.27 (57.7)
22	23	22	1.04 (26.4)	1.33 (33.8)	2.46 (62.5)	2.55 (64.8)	2.28 (57.9)	2.36 (59.9)
24	25	24	1.07 (27.2)	1.35 (34.3)	2.53 (64.3)	2.62 (66.5)	2.34 (59.4)	2.43 (61.7)

If this document is printed it becomes uncontrolled. Check for the latest revision
© 2015 Tyco Electronics Corporation. All rights reserved.

Raychem Adapters
CUSTOMER DRAWING

TE Connectivity

DRAWING NO: R85049/86

CAD FILE:	CAGE CODE:	RPN:	SIZE:	SCALE:	THIRD ANGLE PROJ.	SHEET:
R85049-86_CD.DWG	06090	N/A	A			3_OF_3