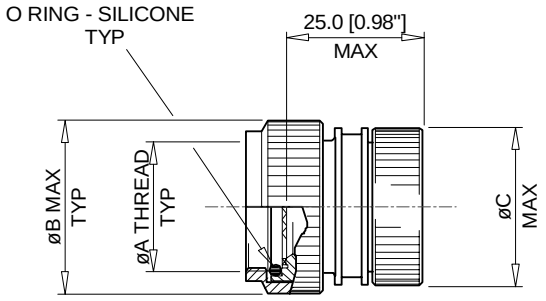
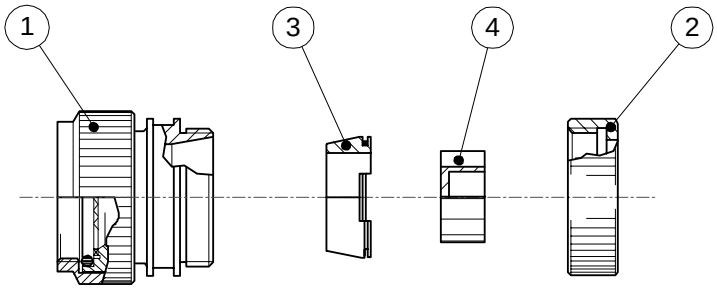
SPECIFICATION CONTROL DRAWING

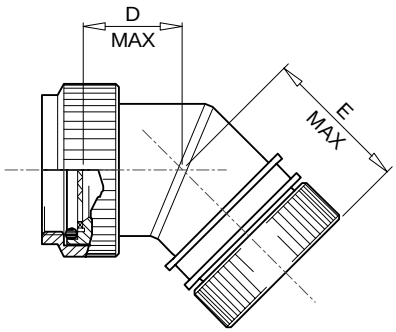
REV:	DATE:
A	JAN 19, 2007



STRAIGHT ADAPTOR

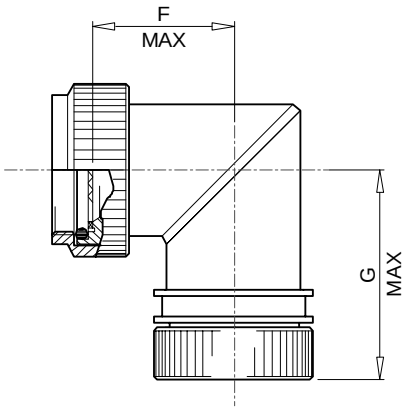
-00





45º ADAPTOR

-45



90º ADAPTOR

-90

tyco Electronics *Raychem* Tyco Electronics Corporation 300 Constitution Drive Menlo Park, CA 94025, USA				TITLE: **HEXASHIELD ADAPTOR FOR CODE 40 CONNECTORS- PLAIN CLAMPING NUT**		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS. INCH DIMENSIONS ARE SHOWN IN BRACKETS		Tyco Electronics reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for their application.		DOCUMENT NO. **HEX40-SC-YY-AYY-1-YY**		
DRAWN: IRT	DATE: DEC 06	CAGE CODE: 06090	DCR # D060670	FILE: 87002/40-SC	SCALE: NONE	SHEET: 1 OF 3

SPECIFICATION CONTROL DRAWING

REV:	DATE:
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KIT DESCRIPTION

ITEM	DESCRIPTION	MATERIAL
1	BODY ASSEMBLY	NUT – STAINLESS STEEL
		BODY – ALUMINIUM ALLOY
2	CLAMPING NUT - PLAIN	ALUMINIUM ALLOY
3	CONIC RING	ALUMINIUM ALLOY
4	STAR - PLAIN	ALUMINIUM ALLOY

TABLE OF DIMENSIONS

Order Number	Shell Size		ØA Thread Class 6H	ØB Max	ØC Max	D Max	E Max	F Max	G Max	Ferrule Quantity	
	Mil.	Com.								Std.	Optional
09	A	09	M12 x 1	19.0 [0.75"]	17.5 [0.69"]	12.5 [0.49"]	25.5 [1.00"]	16.0 [0.63"]	29.0 [1.14"]	1	-
11	B	11	M15 x 1	22.0 [0.87"]	21.5 [0.85"]	13.0 [0.51"]	26.0 [1.02"]	17.5 [0.69"]	30.5 [1.20"]	2	-
13	C	13	M18 x 1	25.5 [1.00"]	22.5 [0.89"]	14.0 [0.55"]	26.5 [1.04"]	19.0 [0.75"]	32.0 [1.26"]	3	-
15	D	15	M22 x 1	30.5 [1.20"]	25.5 [1.00"]	14.5 [0.57"]	27.5 [1.08"]	20.5 [0.81"]	33.5 [1.32"]	5	-
17	E	17	M25 x 1	33.5 [1.32"]	28.5 [1.12"]	15.0 [0.59"]	28.0 [1.10"]	22.0 [0.87"]	35.0 [1.38"]	6	7
19	F	19	M28 x 1	37.0 [1.46"]	31.5 [1.24"]	15.5 [0.61"]	28.5 [1.12"]	23.5 [0.93"]	36.5 [1.44"]	7	-
21	G	21	M31 x 1	38.5 [1.52"]	35.0 [1.38"]	16.5 [0.65"]	29.0 [1.14"]	25.5 [1.00"]	38.5 [1.52"]	9	11
23	H	23	M34 x 1	42.0 [1.65"]	38.0 [1.50"]	17.0 [0.67"]	30.0 [1.18"]	27.0 [1.06"]	40.0 [1.57"]	10	11/12/13/15
25	J	25	M37 x 1	46.5 [1.83"]	41.0 [1.61"]	18.0 [0.71"]	31.0 [1.22"]	28.5 [1.12"]	41.5 [1.63"]	12	13/14/15/17/18

PART NUMBERING

HEX40 – S C – 00 – 21 – A9 – 1 – DS

- CONNECTOR CODE NUMBER
  HEX40 =-MIL-C-38999 SERIES III AND IV
- MATERIAL CODE:
  S = STAINLESS STEEL ACCESSORY NUT
  ALUMINIUM ALLOY REMAINDER
- PLATING CODE:
  C = ELECTROLESS NICKEL TO SAE-AMS-C-26074
- BODY STYLE
  00 = STRAIGHT
  45 = 45°
  90 = 90°
- ORDER NUMBER
- FERRULE QUANTITY CODE
- 1 = PLAIN CLAMPING NUT
- DS = DRILLED STAR - OPTIONAL - SEE NOTE 2

tyco Electronics

Raychem
Tyco Electronics Corporation
300 Constitution Drive
Menlo Park, CA 94025, USA

TITLE:
HEXASHIELD ADAPTOR FOR CODE 40 CONNECTORS- PLAIN CLAMPING NUT

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DOCUMENT NO.
HEX40-SC-YY-AYY-1-YY

DRAWN:	DATE:	CAGE CODE:	DCR #	FILE:	SCALE:	SHEET:
IRT	DEC 06	06090	D060670	87002/40-SC	NONE	2 OF 3

SPECIFICATION CONTROL DRAWING

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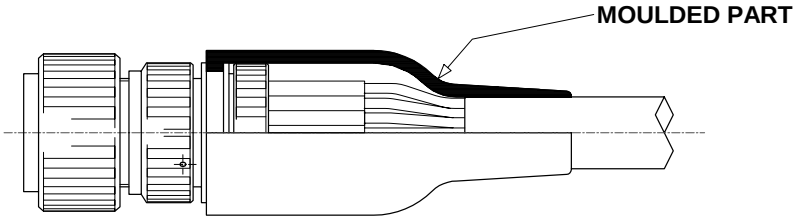
APPLICATION

- These adaptors are designed to be mounted on the following connectors:

  MIL-C-38999 Series III and IV

- They are qualified to the Raychem specification RB-114, when installed on metallic Mil-Specification circular connectors only.
- They are designed primarily for open wire bundle installation but are also designed to accept Raychem heat shrink moulded parts where strain relief is required – see illustration.



- Use in conjunction with ferrules HET-A-0XX, which are purchased separately. Refer to HET-A-0XX S.C.D. for relevant selection details.

INSTALLATION

- See Installation Procedure RPIP-696-04 and RPIP-696-07 for assembly.
- See Installation Procedure RPIP-696-00 for shield termination.

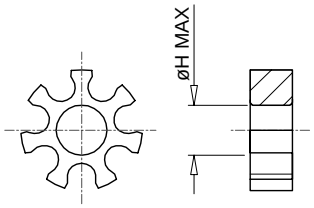
PACKAGING

- All components are supplied in a plastic bag.

NOTES!

1. Item 4 - Star - is **not** supplied with Hexashield Order Number 09.

2. The DS option, illustrated below, is for a Drilled Star that is available on sizes 15 to 25 only. This option is to allow unshielded wires to pass through the assembly.

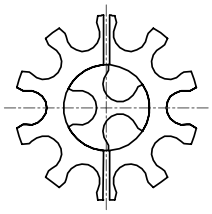


STAR SIZE	15	17	19	21	23	25
ØH MAX	3.0 [0.12"]	6.0 [0.24"]	9.0 [0.35"]	12.0 [0.47"]	15.0 [0.59"]	18.0 [0.71"]

3. Where the ferrule quantities required are standard, the item 4 - Star - is also standard.
   If the optional quantity is selected then 2 items 4 will be supplied - one "split" and the other one standard.
   See below for illustration. Note: Star combination may vary from Order Number to Order Number.

EXAMPLE: FERRULE QUANTITY CODE -A13

-A13 = -A10 SPLIT STAR + -A3 STANDARD STAR



4. Assembly is to be permanently marked with Code Identity Number and Part Number.
   (e.g. 06090 HEX40-SC-00-21-A9-1)

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