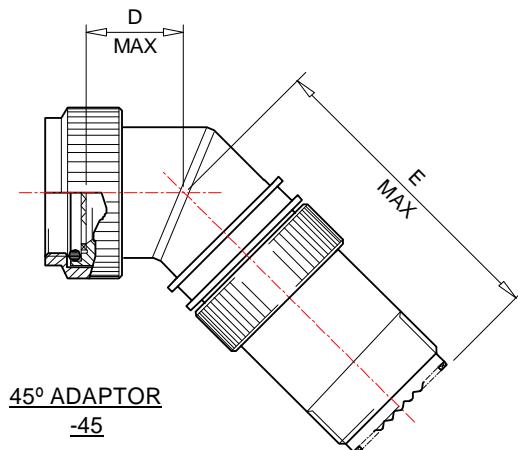
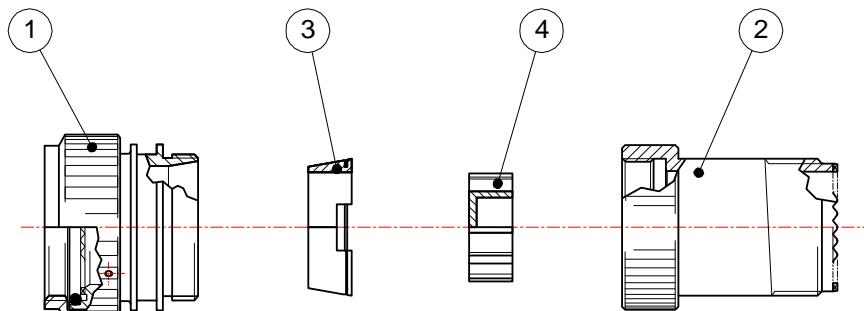
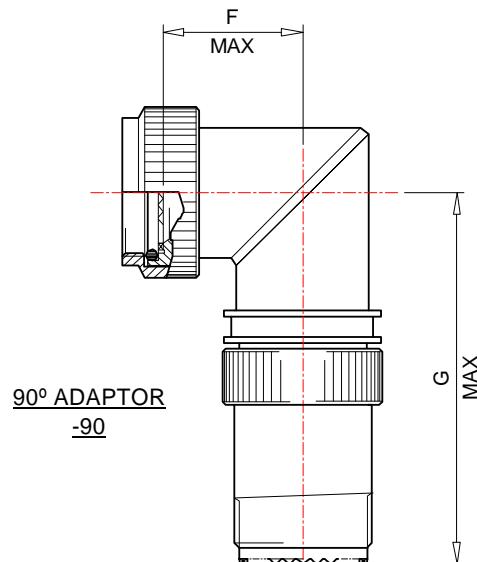


STRAIGHT ADAPTOR
-00



45° ADAPTOR
-45



90° ADAPTOR
-90

© 2012 Tyco Electronics Corporation. All rights reserved.



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

TITLE:
**HEXASHIELD ADAPTOR FOR
CODE 40 CONNECTORS,
CONDUIT 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-AY-YY-AYY-C-YY

DRAWN:
IRT

DATE:
JUL 03

CAGE CODE:
06090

REVISED PER
ECR-12-013539

FILE:
Hex40_ay_yy_ayy_c_yy_a_cd

SCALE:
NONE

SHEET:
1 OF 4

CUSTOMER DRAWING

REVISED PER
ECO-12-013539

REV:
A

DATE:
July 26, 2012

KIT DESCRIPTION

| ITEM | DESCRIPTION | MATERIAL |
|------|-----------------|-----------------|
| 1 | BODY ASSEMBLY | ALUMINIUM ALLOY |
| 2 | CONDUIT ADAPTOR | ALUMINIUM ALLOY |
| 3 | CONIC RING | ALUMINIUM ALLOY |
| 4 | STAR | ALUMINIUM ALLOY |

TABLE OF DIMENSIONS

| Order Number | Shell Size | | ØA Thread Class 6H | ØB Max | ØC Thread Class 6g | D Max | E Max | F Max | G Max | Ferrule Quantity | |
|--------------|------------|------|--------------------|-----------------|--------------------|---------------|-----------------|----------------|-----------------|------------------|----------------|
| | Mil. | Com. | | | | | | | | Std. | Optional |
| 09 | A | 09 | M12 x 1 | 19.0 [0.75"] | M12 x 1 | 14.4 [.57] | 51.0 [2.01"] | 17.9 [.71] | 54.5 [2.15"] | 1 | - |
| 11 | B | 11 | M15 x 1 | 22.0 [0.87"] | M15 x 1 | 35.5 [.59] | 51.5 [2.03"] | 40.0 [.77] | 56.0 [2.20"] | 2 | - |
| 13 | C | 13 | M18 x 1 | 25.5 [1.00"] | M18 x 1 | 40.0 [.63] | 52.0 [2.05"] | 45.0 [.83] | 57.5 [2.26"] | 3 | - |
| 15 | D | 15 | M22 x 1 | 30.5 [1.20"] | M22 x 1 | 14.5 [.65] | 53.0 [2.09"] | 20.5 [.89] | 59.0 [2.32"] | 5 | - |
| 17 | E | 17 | M25 x 1 | 33.5 [1.32"] | M25 x 1 | 15.0 [.67] | 53.5 [2.11"] | 22.0 [.95] | 60.5 [2.38"] | 6 | 7 |
| 19 | F | 19 | M28 x 1 | 37.0 [1.46"] | M28 x 1 | 15.5 [.69] | 54.0 [2.13"] | 23.5 [1.01] | 62.0 [2.44"] | 7 | 8 |
| 21 | G | 21 | M31 x 1 | 38.5 [1.52"] | M31 x 1 | 16.5 [.73] | 54.5 [2.15"] | 25.5 [1.08] | 64.0 [2.52"] | 9 | 11 |
| 23 | H | 23 | M34 x 1 | 42.0 [1.65"] | M34 x 1 | 17.0 [.75] | 55.5 [2.19"] | 27.0 [1.14] | 65.5 [2.58"] | 10 | 11/12/13/15 |
| 25 | J | 25 | M37 x 1 | 46.5 [1.83"] | M37 x 1 | 18.0 [.79] | 56.5 [2.22"] | 28.5 [1.20] | 67.0 [2.64"] | 12 | 13/14/15/17/18 |

PART NUMBERING

© 2012 Tyco Electronics Corporation. All rights reserved.



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

TITLE:
**HEXASHIELD ADAPTOR FOR
CODE 40 CONNECTORS,
CONDUIT 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-AY-YY-AYY-C-YY

DRAWN:
IRT

DATE:
JUL 03

CAGE CODE:
06090

REVISED PER
ECR-12-013539

FILE:
Hex40_ay_yy_ayy_c_yy_a_cd

SCALE:
NONE

SHEET:
2 OF 4

CUSTOMER DRAWING

REVISED PER
ECO-12-013539

REV:
A

DATE:
July 26, 2012

HEX40 - A B - 00 - 21 - A9 - C - DS

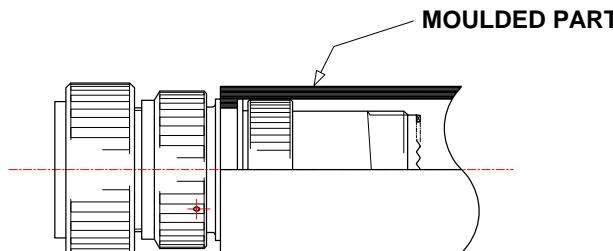
- CONNECTOR CODE NUMBER _____
HEX40 = MIL-C-38999 SERIES III AND IV
- MATERIAL CODE: _____
A = ALUMINUM ALLOY
- PLATING CODE: _____
B = CADMIUM OLIVE DRAB TO SAE-AMS-QQ-P416
C = ELECTROLESS NICKEL TO SAE-AMS-C-26074
- BODY STYLE _____
00 = STRAIGHT
45 = 45°
90 = 90°
- ORDER NUMBER _____
- FERRULE QUANTITY CODE _____
- C = CONDUIT CLAMPING NUT _____
- DS = DRILLED STAR - SEE NOTE 2 _____

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 installations but are also designed to accept Raychem heat shrink moulded parts where sealing is required – see illustration.
- The use of another “conduit” adaptor (e.g. a Tyco TXR40 with an H modification) is necessary to complete the assembly.



- Use in conjunction with the 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 for straight adaptors.
- See Installation Procedure RPIP-696-07 for 45° and 90° adaptors.

PACKAGING

- All components are supplied in a plastic bag.

© 2012 Tyco Electronics Corporation. All rights reserved.



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

TITLE:
**HEXASHIELD ADAPTOR FOR
CODE 40 CONNECTORS,
CONDUIT 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-AY-YY-AYY-C-YY

DRAWN:
IRT

DATE:
JUL 03

CAGE CODE:
06090

REVISED PER
ECR-12-013539

FILE:
Hex40_ay_yy_ayy_c_yy_a_cd

SCALE:
NONE

SHEET:
3 OF 4

CUSTOMER DRAWING

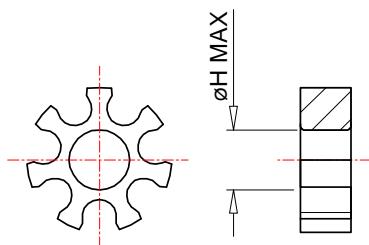
REVISED PER
ECO-12-013539

REV:
A

DATE:
July 26, 2012

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 for "Standard" ferrule quantities only. This option is to allow unshielded wires to pass through the assembly.

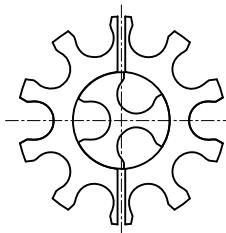


| STAR SIZE | 15 | 17 | 19 | 21 | 23 | 25 |
|-----------|----------------|----------------|----------------|-----------------|-----------------|-----------------|
| ØH MAX | 3.0 [0.12"] | 6.0 [0.24"] | 9.0 [0.35"] | 12.0 [0.47"] | 15.0 [0.59"] | 18.0 [0.71"] |

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.

EXAMPLE: FERRULE QUANTITY CODE -A13

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



* On Order Number 19 only, the Optional Ferrule quantity of 8 uses a "standard" star also.

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

© 2012 Tyco Electronics Corporation. All rights reserved.



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

TITLE:
**HEXASHIELD ADAPTOR FOR
CODE 40 CONNECTORS,
CONDUIT 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-AY-YY-AYY-C-YY

DRAWN:
IRT

DATE:
JUL 03

CAGE CODE:
06090

REVISED PER
ECR-12-013539

FILE:
Hex40_ay_yy_ayy_c_yy_a_cd

SCALE:
NONE

SHEET:
4 OF 4

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[HEX40-AB-90-13-A3-C](#)