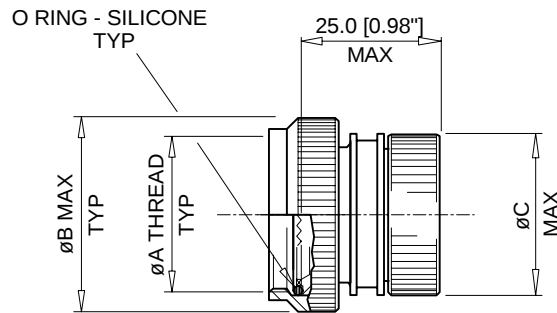


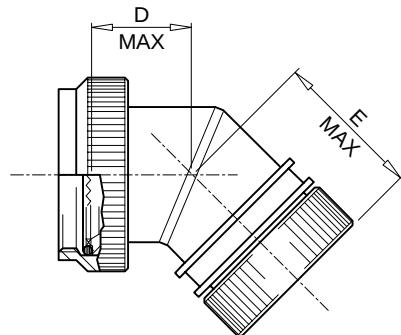
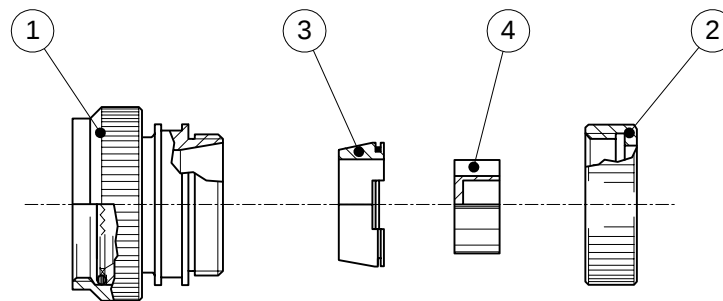
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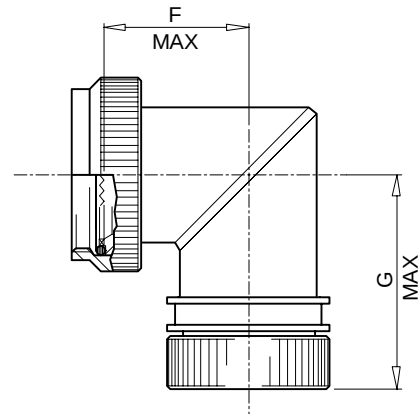
**STRAIGHT ADAPTOR**

-00



**45° ADAPTOR**

-45



**90° ADAPTOR**

-90

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|                                                                                                                                        |                             |                                                                                                                                                                                                                                                                                                      |                                                                                                    |                                        |                            |                              |
|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------|------------------------------|
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| <div>DRAWN:<br/>CRJ</div>                                                                                                              | <div>DATE:<br/>MAR 00</div> | <div>Tyco Electronics reserves the right to amend this drawing at<br/>any time. Users should evaluate the suitability of the<br/>product for their application.</div>                                                                                                                                | <div>FILE-UK:<br/>Hex41-1scd-us</div>                                                              | <div>File &amp; DCR#<br/>D060249</div> | <div>SCALE:<br/>NONE</div> | <div>SHEET:<br/>1 OF 4</div> |

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## KIT DESCRIPTION

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

## TABLE OF DIMENSIONS

| Order Number | Shell Size |        | ØA Thread<br>UNEF 2B | ØB<br>Max       | ØC<br>Max       | D<br>Max        | E<br>Max        | F<br>Max        | G<br>Max        | Ferrule Quantity |      |
|--------------|------------|--------|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------|
|              | Ser I      | Ser II |                      |                 |                 |                 |                 |                 |                 | Std.             | Opt. |
| 09           | 09         | 08     | 0.4375"-28           | 19.0<br>[0.75"] | 17.5<br>[0.69"] | 12.5<br>[0.49"] | 25.5<br>[1.00"] | 16.0<br>[0.63"] | 29.0<br>[1.14"] | 1                | -    |
| 11           | 11         | 10     | 0.5625"-24           | 22.0<br>[0.87"] | 21.5<br>[0.85"] | 13.0<br>[0.51"] | 26.0<br>[1.02"] | 17.5<br>[0.69"] | 30.5<br>[1.20"] | 2                | -    |
| 13           | 13         | 12     | 0.6875"-24           | 25.5<br>[1.00"] | 22.5<br>[0.89"] | 14.0<br>[0.55"] | 26.5<br>[1.04"] | 19.0<br>[0.75"] | 32.0<br>[1.26"] | 3                | -    |
| 15           | 15         | 14     | 0.8125"-20           | 30.5<br>[1.20"] | 25.5<br>[1.00"] | 14.5<br>[0.57"] | 27.5<br>[1.08"] | 20.5<br>[0.81"] | 33.5<br>[1.32"] | 5                | -    |
| 17           | 17         | 16     | 0.9375"-20           | 33.5<br>[1.32"] | 28.5<br>[1.12"] | 15.0<br>[0.59"] | 28.0<br>[1.10"] | 22.0<br>[0.87"] | 35.0<br>[1.38"] | 6                | 7    |
| 19           | 19         | 18     | 1.0625"-18           | 37.0<br>[1.46"] | 31.5<br>[1.24"] | 15.5<br>[0.61"] | 28.5<br>[1.12"] | 23.5<br>[0.93"] | 36.5<br>[1.44"] | 7                | -    |
| 21           | 21         | 20     | 1.1875"-18           | 38.5<br>[1.52"] | 35.0<br>[1.38"] | 16.5<br>[0.65"] | 29.0<br>[1.14"] | 25.5<br>[1.00"] | 38.5<br>[1.52"] | 9                | 11   |
| 23           | 23         | 22     | 1.3125"-18           | 42.0<br>[1.65"] | 38.0<br>[1.50"] | 17.0<br>[0.67"] | 30.0<br>[1.18"] | 27.0<br>[1.06"] | 40.0<br>[1.57"] | 10               | 13   |
| 25           | 25         | 24     | 1.4375"-18           | 46.5<br>[1.83"] | 41.0<br>[1.61"] | 18.0<br>[0.71"] | 31.0<br>[1.22"] | 28.5<br>[1.12"] | 41.5<br>[1.63"] | 12               | 17   |

|                                                                                                                                        |                 |                                                                                                                                                                                                                                                                                       |                                                                                                                                                          |                           |                        |                |
|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------|----------------|
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## PART NUMBERING

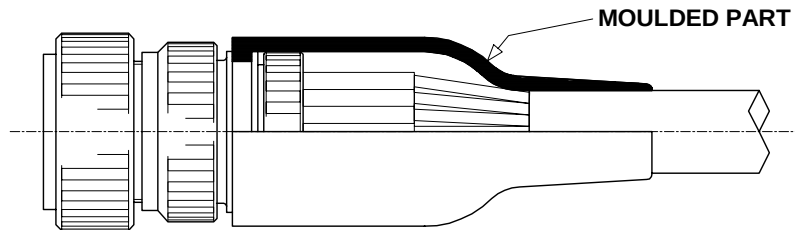
|                                             |       |   |   |   |   |    |   |    |   |    |   |   |   |    |
|---------------------------------------------|-------|---|---|---|---|----|---|----|---|----|---|---|---|----|
|                                             | HEX41 | - | A | B | - | 00 | - | 21 | - | A9 | - | 1 | - | DS |
| - CONNECTOR CODE NUMBER                     |       |   |   |   |   |    |   |    |   |    |   |   |   |    |
| HEX41 = MIL-C-38999 SERIES I AND II         |       |   |   |   |   |    |   |    |   |    |   |   |   |    |
| - MATERIAL CODE:                            |       |   |   |   |   |    |   |    |   |    |   |   |   |    |
| A = ALUMINIUM ALLOY                         |       |   |   |   |   |    |   |    |   |    |   |   |   |    |
| - PLATING CODE:                             |       |   |   |   |   |    |   |    |   |    |   |   |   |    |
| B = CADMIUM OLIVE DRAB TO QQ-P416           |       |   |   |   |   |    |   |    |   |    |   |   |   |    |
| C = ELECTROLESS NICKEL TO MIL-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 |       |   |   |   |   |    |   |    |   |    |   |   |   |    |

## APPLICATION

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

MIL-C-38999 Series I and II

- 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 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.

## PACKAGING

- All components are supplied in a plastic bag.

|                                                                                                             |                 |                                                                                                                                                                                                                                                                                       |  |                                                                                        |                        |                |                  |
|-------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------|------------------------|----------------|------------------|
| <div></div>              |                 | Raychem Wire and<br>Harnessing Products<br>300 Constitution Drive<br>Menlo Park, CA 94025<br>USA                                                                                                                                                                                      |  | TITLE:<br><b>HEXASHIELD ADAPTOR FOR<br/>CODE 41 CONNECTORS-<br/>PLAIN CLAMPING NUT</b> |                        |                |                  |
| Wire and Harnessing Products                                                                                |                 |                                                                                                                                                                                                                                                                                       |  |                                                                                        |                        |                |                  |
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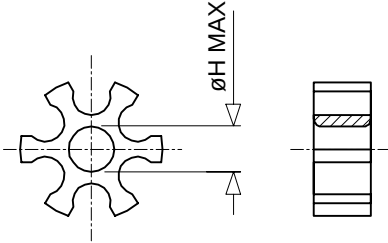
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## NOTES:

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

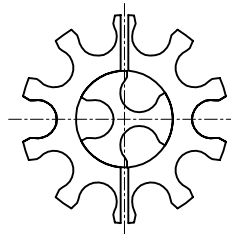


| STAR SIZE | 15             | 17             | 19             | 21              | 23              | 25              |
|-----------|----------------|----------------|----------------|-----------------|-----------------|-----------------|
| ØD MAX    | 3.0<br>[0.12"] | 6.0<br>[0.24"] | 9.0<br>[0.35"]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

- 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



- Assembly is to be permanently marked with Code Identity Number and Part Number.  
(e.g. 06090 HEX41-AB-00-21-A9-1)

|                                                                                                             |                 |                                                                                                                                                                                                                                                                                       |  |                                                                                        |                        |                |                  |
|-------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------|------------------------|----------------|------------------|
| <b>tyco</b> / Electronics<br>Wire and Harnessing Products                                                   |                 | Raychem Wire and Harnessing Products<br>300 Constitution Drive<br>Menlo Park, CA 94025<br>USA                                                                                                                                                                                         |  | TITLE:<br><b>HEXASHIELD ADAPTOR FOR<br/>CODE 41 CONNECTORS-<br/>PLAIN CLAMPING NUT</b> |                        |                |                  |
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