



## CODE 41 - TINEL-LOCK BACKSHELL

TXR41AB00-1608AI-S

SERIES  
 TXR: RING INCLUDED  
 (SEE RING OPTION)  
 TX: RING NOT INCLUDED  
 CONNECTOR INTERFACE  
 MATERIAL  
 REFER TO CH00-0250-008  
 FINISH  
 REFER TO CH00-0250-008  
 ANGLE  
 DASH NUMBER (TABLE 1)  
 ENTRY SIZE (TABLE 2)  
 RING OPTION  
 AI - TO SUIT SINGLE BRAID  
 BI - TO SUIT DOUBLE BRAID  
 FOR TX, LEAVE BLANK  
 MODIFICATION CODE  
 REFER TO CH00-0250-008

### NOTES:

1. THIS PRODUCT IS DESIGNED TO TERMINATE A BRAIDED CABLE SHIELD AND A HEAT SHRINKABLE LIPPED BOOT TO A CONNECTOR.
2. FOR ADDITIONAL DIMENSIONS, ORDERING INFORMATION AND MODIFICATIONS, SEE CH00-0250-008.
3. SEE DRAWING TR FOR DETAIL ON TINEL-LOCK RING, RINGS ARE DESIGNED TO BE HEATED ELECTRICALLY, ALL RINGS ARE MARKED WITH THERMOCHROMIC PAINT WHICH CHANGES COLOUR WHEN INSTALLATION TEMPERATURE IS REACHED.
4. BACKSHELL TO BE PERMANENTLY MARKED/BAGGED AND LABELLED WITH CODE IDENTIFICATION NUMBER AND PART NUMBER LESS RING DESIGNATOR. (e.g. 06090-TXR41AB00-1206). RING SHALL BEAR NO MARKING.
5. FOR LARGER ENTRY SIZES, A 2 PIECE BACKSHELL ASSEMBLY (TYPE 2) IS SUPPLIED.
6. BACKSHELL MATES TO MIL-DTL-38999, SERIES I AND II, CLASS E AND T, MS27466, MS27467, MS27468, MS27472, MS27473, MS27474, MS27479, MS27480, MS27481, MS27484, MS27497, MS27652, MS27653, MS27656 CONNECTORS.
7. THESE DIMENSIONS APPLY IF A SELF-LOCKING COUPLING NUT IS USED.

|                                                    |                           |      |            |                                                                                                                                   |                                                                                                                                                                                                                          |  |                                                                                                                                                                                           |                   |          |
|----------------------------------------------------|---------------------------|------|------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|
| DRAWN                                              | K.WINCZURA                | DATE | 04/12/2014 | <br>3RD ANGLE<br>PROJECTION<br>NOT TO<br>SCALE | TITLE:<br><br>TINEL-LOCK BACKSHELL                                                                                                                                                                                       |  | <br>Polamco<br> |                   |          |
| CHECKED                                            |                           | DATE | 04/12/2014 |                                                                                                                                   |                                                                                                                                                                                                                          |  |                                                                                                                                                                                           |                   |          |
| APPROVED                                           | K.SHEPPARD                | DATE | 04/12/2014 |                                                                                                                                   | ASSY USED ON:<br><br>MIL-DTL-38999 SERIES I & II                                                                                                                                                                         |  |                                                                                                                                                                                           |                   |          |
| APPROVED                                           | H.SMITH                   | DATE | 16/02/2015 |                                                                                                                                   |                                                                                                                                                                                                                          |  |                                                                                                                                                                                           |                   |          |
| REVISIONS                                          |                           |      |            | UNLESS OTHERWISE SPECIFIED<br>ALL DIMENSIONS IN MILLIMETRES<br>GENERAL TOL<br>LINEAR +/-0.25MM<br>ANGULAR +/- 1°                  |                                                                                                                                                                                                                          |  |                                                                                                                                                                                           |                   |          |
| LTR                                                | DESCRIPTION               |      | DATE       |                                                                                                                                   |                                                                                                                                                                                                                          |  |                                                                                                                                                                                           | APPROVED          |          |
| H                                                  | REVISED PER ECO-12-021161 |      | 04.12.12   |                                                                                                                                   |                                                                                                                                                                                                                          |  |                                                                                                                                                                                           | G.WELLS           |          |
| J                                                  | REVISED PER ECO-15-002319 |      | 16.02.15   |                                                                                                                                   |                                                                                                                                                                                                                          |  |                                                                                                                                                                                           | H.SMITH           |          |
| TE CAGE CODE: 06090<br>POLAMCO/TE CAGE CODE: U5792 |                           |      |            |                                                                                                                                   | TE CONNECTIVITY - POLAMCO LTD RESERVES THE RIGHT TO AMEND THIS DRAWING<br>AND THE INFORMATION SET FORTH HEREON AT ANY TIME. USERS SHOULD<br>INDEPENDENTLY EVALUATE THE SUITABILITY OF THE PRODUCT FOR THEIR APPLICATION. |  | DRAWING NO:<br>TXR41                                                                                                                                                                      | DRAWING REV:<br>J | SHT<br>1 |



STRAIGHT BACKSHELL - TYPE 1



STRAIGHT BACKSHELL - TYPE 2



45° BACKSHELL - TYPE 1



45° BACKSHELL - TYPE 2



90° BACKSHELL - TYPE 1



90° BACKSHELL - TYPE 2



90° BACKSHELL - TYPE 1  
STAINLESS STEEL AND  
NICKEL ALUMINIUM BRONZE



90° BACKSHELL - TYPE 2  
STAINLESS STEEL AND  
NICKEL ALUMINIUM BRONZE

|                                                    |                           |          |            |
|----------------------------------------------------|---------------------------|----------|------------|
| DRAWN                                              | K.WINCZURA                | DATE     | 04/12/2014 |
| CHECKED                                            |                           | DATE     | 04/12/2014 |
| APPROVED                                           | K.SHEPPARD                | DATE     | 04/12/2014 |
| APPROVED                                           | H.SMITH                   | DATE     | 16/02/2015 |
| REVISIONS                                          |                           |          |            |
| LTR                                                | DESCRIPTION               | DATE     | APPROVED   |
| H                                                  | REVISED PER ECO-12-021161 | 04.12.12 | G.WELLS    |
| J                                                  | REVISED PER ECO-15-002319 | 16.02.15 | H.SMITH    |
| TE CAGE CODE: 06090<br>POLAMCO/TE CAGE CODE: U5792 |                           |          |            |



3RD ANGLE  
PROJECTION  
NOT TO  
SCALE

UNLESS OTHERWISE SPECIFIED  
ALL DIMENSIONS IN MILLIMETRES  
GENERAL TOL  
LINEAR  $\pm 0,25\text{MM}$   
ANGULAR  $\pm 1^\circ$

TITLE:

TINEL-LOCK BACKSHELL

ASSY USED ON:

MIL-DTL-38999 SERIES I & II

TE CONNECTIVITY - POLAMCO LTD RESERVES THE RIGHT TO AMEND THIS DRAWING  
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DRAWING NO:  
TXR41

DRAWING REV:  
J

SHT  
2



**BACKSHELL - TYPE 1**

**BACKSHELL - TYPE 2**

| ORDER NO. | SHELL SIZE SER I/ SER II | A THREAD      | ØB MAX | ØB MAX  | MAX ENTRY | C ±0,5 | D ±0,5 | W ±0,5 | T ±0,5 | E ±0,5 | W ±0,5 | T ±0,5 | E ±0,5 |
|-----------|--------------------------|---------------|--------|------------------------------------------------------------------------------------------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|
| 08        | 9 / 8                    | 7/16-28UNEF   | 18,3   | 18,0                                                                                     | 04        | 16,4   | 26,8   | 21,0   | 14,0   | 26,20  | 21,3   | 16,4   | 26,4   |
| 10        | 11 / 10                  | 9/16-24UNEF   | 21,5   | 21,0                                                                                     | 07        | 17,2   | 27,5   | 24,0   | 15,5   | 27,95  | 24,4   | 17,3   | 28,2   |
| 12        | 13 / 12                  | 11/16-24UNEF  | 24,5   | 25,0                                                                                     | 08        | 17,6   | 28,0   | 27,0   | 17,0   | 29,45  | 28,4   | 19,5   | 29,7   |
| 14        | 15 / 14                  | 13/16-20UNEF  | 27,8   | 28,0                                                                                     | 10        | 18,5   | 29,0   | 31,0   | 19,5   | 31,00  | 31,2   | 21,0   | 31,2   |
| 16        | 17 / 16                  | 15/16-20UNEF  | 30,8   | 31,0                                                                                     | 12        | 19,2   | 29,7   | 34,0   | 21,0   | 32,70  | 34,3   | 22,8   | 32,9   |
| 18        | 19 / 18                  | 1 1/16-18UNEF | 34,1   | 34,0                                                                                     | 14        | 19,6   | 30,5   | 35,0   | 20,0   | 34,25  | 38,6   | 25,3   | 34,5   |
| 20        | 21 / 20                  | 1 3/16-18UNEF | 37,3   | 37,0                                                                                     | 16        | 20,4   | 30,9   | 38,0   | 21,5   | 35,80  | 40,8   | 26,1   | 36,1   |
| 22        | 23 / 22                  | 1 5/16-18UNEF | 40,5   | 40,0                                                                                     | 18        | 20,8   | 31,1   | 42,0   | 24,0   | 37,40  | 43,8   | 27,6   | 37,6   |
| 24        | 25 / 24                  | 1 7/16-18UNEF | 43,7   | 43,5                                                                                     | 20        | 21,7   | 32,1   | 45,0   | 25,5   | 38,90  | 46,5   | 29,1   | 39,1   |

| ENTRY | ØZ    | ØS            | ØY    | ØK   | ØK MAX | F    | G    | H    | M    | J     | H    | M    | J    |
|-------|-------|---------------|-------|------|--------|------|------|------|------|-------|------|------|------|
| SIZE  | MIN   |               | ± 0,3 | MAX  | 7      | ±0,5 | ±0,5 | ±0,5 | ±0,5 | ±0,5  | ±0,5 | ±0,5 | ±0,5 |
| 04    | 6,35  | 9,49 +/-0,04  | 14,00 | NA   | NA     | NA   | NA   | NA   | NA   | NA    | NA   | NA   | NA   |
| 05    | 7,92  | 11,06 +/-0,04 | 15,50 | 21,0 | 24,6   | 12,5 | 27,5 | 24,0 | 15,5 | 27,95 | 24,3 | 17,2 | 28,2 |
| 06    | 9,53  | 12,66 +/-0,04 | 17,10 | 21,0 | 24,6   | 12,5 | 27,5 | 24,0 | 15,5 | 27,95 | 24,3 | 17,2 | 28,2 |
| 07    | 11,10 | 14,21 +/-0,07 | 18,70 | 21,0 | 24,6   | 12,5 | 27,5 | 24,0 | 15,5 | 27,95 | 24,3 | 17,2 | 28,2 |
| 08    | 12,70 | 15,81 +/-0,07 | 20,30 | 24,5 | 28,3   | 13,1 | 28,0 | 27,0 | 17,0 | 29,45 | 28,3 | 19,4 | 29,7 |
| 10    | 15,88 | 18,96 +/-0,08 | 23,50 | 29,0 | 32,4   | 13,5 | 29,0 | 31,0 | 19,5 | 31,00 | 31,1 | 21,0 | 31,2 |
| 12    | 19,05 | 22,14 +/-0,08 | 26,70 | 32,5 | 35,6   | 14,5 | 29,7 | 34,0 | 21,0 | 32,70 | 34,2 | 22,8 | 32,9 |
| 14    | 22,23 | 25,30 +/-0,08 | 29,80 | 35,5 | 38,5   | 15,5 | 30,5 | 35,0 | 20,0 | 34,25 | 38,5 | 25,3 | 34,5 |
| 16    | 25,40 | 28,48 +/-0,08 | 33,00 | 37,0 | 41,7   | 16,1 | 30,9 | 38,0 | 21,5 | 35,80 | 40,7 | 26,1 | 36,1 |
| 18    | 28,58 | 31,65 +/-0,08 | 36,20 | 40,0 | 43,9   | 16,5 | 31,1 | 42,0 | 24,0 | 37,40 | 43,7 | 27,6 | 37,6 |
| 20    | 31,75 | 34,83 +/-0,08 | 39,40 | 43,5 | 47,0   | 17,0 | 32,1 | 45,0 | 25,5 | 38,90 | 46,4 | 29,1 | 39,1 |
| 22    | 34,93 | 37,98 +/-0,08 | 42,50 | 48,5 | 50,0   | 18,5 | 35,3 | 54,5 | 31,0 | 42,00 | 50,0 | 31,0 | 42,0 |
| 24    | 38,10 | 41,15 +/-0,08 | 45,70 | 52,1 | 56,0   | 21,9 | 38,1 | 58,0 | 33,0 | 46,00 | 53,5 | 33,0 | 46,0 |

|                                                     |                           |                    |                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                       |                   |          |
|-----------------------------------------------------|---------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------|----------|
| DRAWN                                               | K.WINCZURA                | DATE<br>04/12/2014 | <br>3RD ANGLE<br>PROJECTION<br>NOT TO<br>SCALE | TITLE:<br><br>TINEL-LOCK BACKSHELL                                                                                                                                                                                       |  |                   |          |
| CHECKED                                             |                           | DATE<br>04/12/2014 |                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                       |                   |          |
| APPROVED                                            | K.SHEPPARD                | DATE<br>04/12/2014 |                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                       |                   |          |
| APPROVED                                            | H.SMITH                   | DATE<br>16/02/2015 |                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                       |                   |          |
| REVISIONS                                           |                           |                    | UNLESS OTHERWISE SPECIFIED<br>ALL DIMENSIONS IN MILLIMETRES<br>GENERAL TOL<br>LINEAR +/-0.25MM<br>ANGULAR +/- 1°                  | ASSY USED ON:<br><br>MIL-DTL-38999 SERIES I & II                                                                                                                                                                         |  |                   |          |
| LTR                                                 | DESCRIPTION               | DATE               |                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                       | APPROVED          |          |
| H                                                   | REVISED PER ECO-12-021161 | 04.12.12           |                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                       | G.WELLS           |          |
| J                                                   | REVISED PER ECO-15-002319 | 16.02.15           |                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                       | H.SMITH           |          |
| TE CAGE CODE: 06090<br>POLAMCO/TE CAGE CODE: U15792 |                           |                    |                                                                                                                                   | TE CONNECTIVITY - POLAMCO LTD RESERVES THE RIGHT TO AMEND THIS DRAWING<br>AND THE INFORMATION SET FORTH HEREON AT ANY TIME. USERS SHOULD<br>INDEPENDENTLY EVALUATE THE SUITABILITY OF THE PRODUCT FOR THEIR APPLICATION. | DRAWING NO:<br>TXR41                                                                  | DRAWING REV:<br>J | SHT<br>3 |

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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