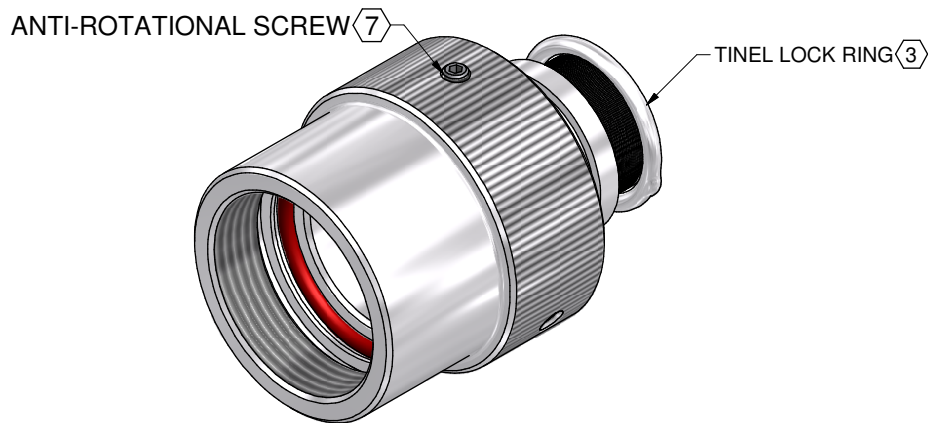




## CODE 32 - TINEL-LOCK BACKSHELL

**TXR32AB00-1608AI-**

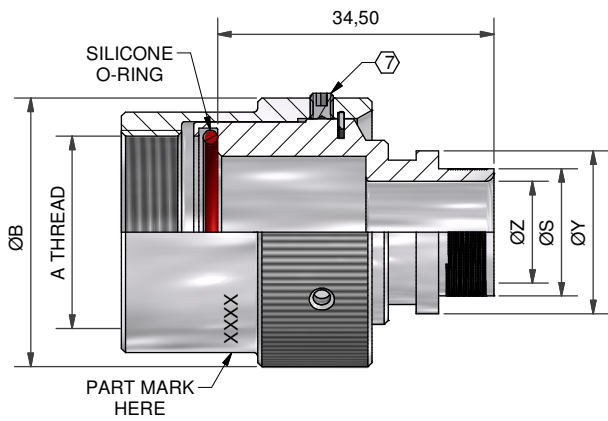
|                                         |       |
|-----------------------------------------|-------|
| SERIES                                  | _____ |
| TXR: RING INCLUDED<br>(SEE RING OPTION) | _____ |
| TX: RING NOT INCLUDED                   | _____ |
| CONNECTOR INTERFACE                     | _____ |
| MATERIAL                                | _____ |
| REFER TO CH00-0250-008                  | _____ |
| FINISH                                  | _____ |
| REFER TO CH00-0250-008                  | _____ |
| ANGLE                                   | _____ |
| SHELL SIZE (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 (2)              | _____ |

### NOTES:

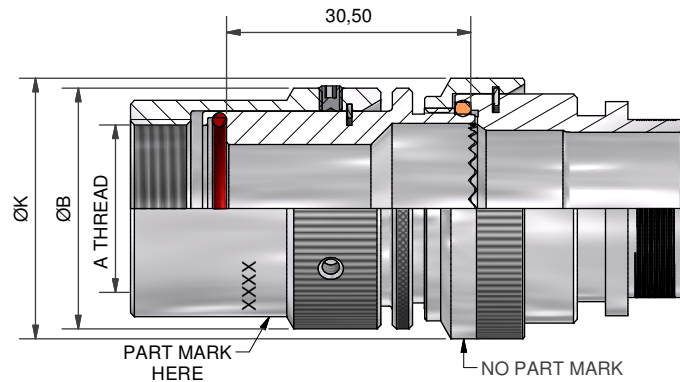
1. THIS PRODUCT IS DESIGNED TO TERMINATE A BRAIDED CABLE SHIELD AND A HEAT SHRINKABLE LIPPED BOOT TO A CONNECTOR.
- (2) FOR ADDITIONAL DIMENSIONS, ORDERING INFORMATION AND MODIFICATIONS, SEE CH00-0250-008.
- (3) SEE DRAWING TR FOR DETAIL ON TINEL-LOCK RING, RINGS ARE DESIGNED TO BE HEATED ELECTRICALLY, 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-TXR32AB00-1406). 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-22992, CLASS C & R, MS17343, 44, 45 & 47 CONNECTORS.
- (7) ANTI-ROTATIONAL SET SCREW, 3 THREADED HOLES  $120^\circ \pm 5^\circ$  APART, SINGLE MATING SET SCREW SUPPLIED.

|                                                    |                           |            |                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                          |                      |                                                                                                                                                                                           |                   |          |
|----------------------------------------------------|---------------------------|------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|
| DRAWN                                              | K.WINCZURA                | DATE       | 15/12/2014                                                                                                              | <br>3RD ANGLE<br>PROJECTION<br>NOT TO<br>SCALE | TITLE:<br><br>TINEL-LOCK BACKSHELL                                                                                                                                                                                       |                      | <br>Polamco<br> |                   |          |
| CHECKED                                            |                           | 15/12/2014 |                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                          |                      |                                                                                                                                                                                           |                   |          |
| APPROVED                                           | K.SHEPPARD                | 01/09/2015 | UNLESS OTHERWISE SPECIFIED<br>ALL DIMENSIONS IN MILLIMETRES<br><b>GENERAL TOL</b><br>LINEAR +/-0.25MM<br>ANGULAR +/- 1° |                                                                                                                                   | ASSY USED ON:<br><br>MIL-DTL-22992                                                                                                                                                                                       |                      |                                                                                                                                                                                           |                   |          |
| APPROVED                                           | H.SMITH                   | 06/10/2015 |                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                          |                      |                                                                                                                                                                                           |                   |          |
| REVISIONS                                          |                           |            |                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                          |                      |                                                                                                                                                                                           |                   |          |
| LTR                                                | DESCRIPTION               | DATE       | APPROVED                                                                                                                |                                                                                                                                   |                                                                                                                                                                                                                          |                      |                                                                                                                                                                                           |                   |          |
| E                                                  | REVISED PER ECO-14-008400 | 06.04.14   | I.M                                                                                                                     |                                                                                                                                   |                                                                                                                                                                                                                          |                      |                                                                                                                                                                                           |                   |          |
| F                                                  | REVISED PER ECO-15-014373 | 01.09.15   | 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>TXR32 |                                                                                                                                                                                           | DRAWING REV:<br>F | SHT<br>1 |

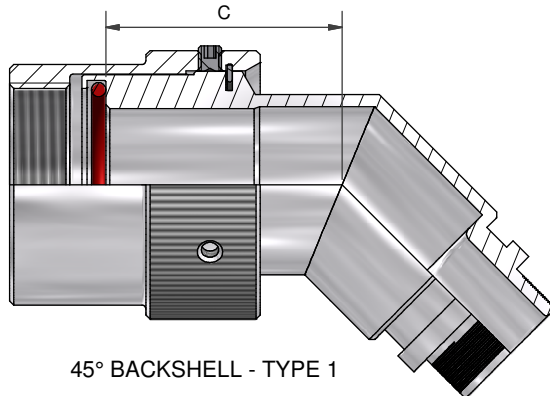
IF MAX ENTRY IS EXCEEDED BACKSHELL  
WILL BE SUPPLIED AS TYPE 2



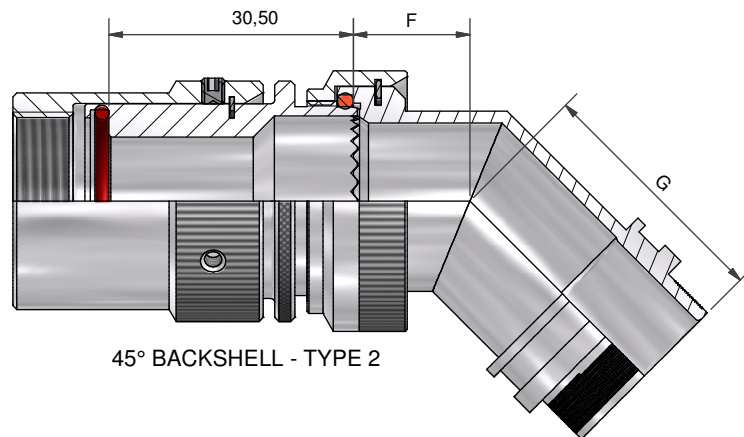
STRAIGHT BACKSHELL - TYPE 1



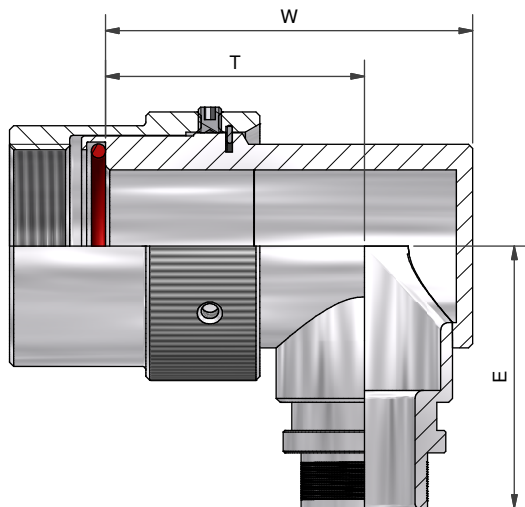
STRAIGHT BACKSHELL - TYPE 2



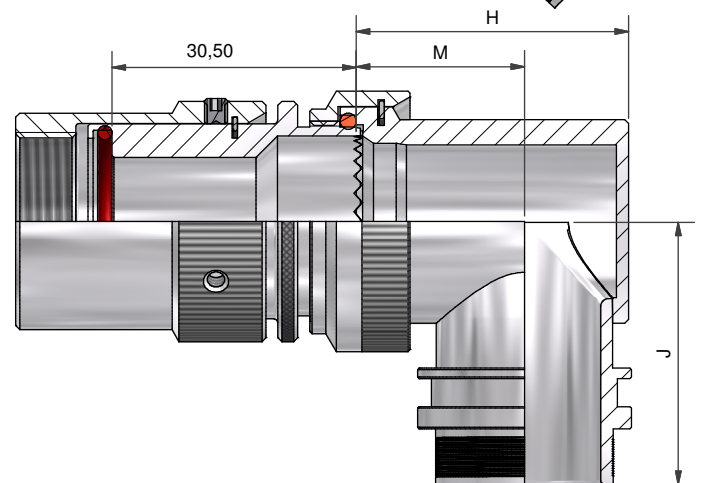
45° BACKSHELL - TYPE 1



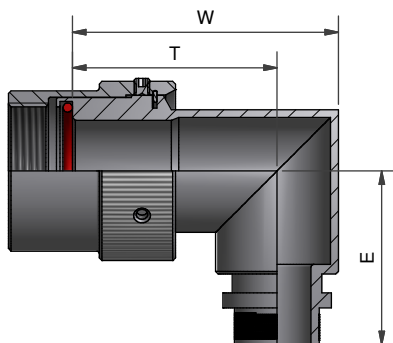
45° BACKSHELL - TYPE 2



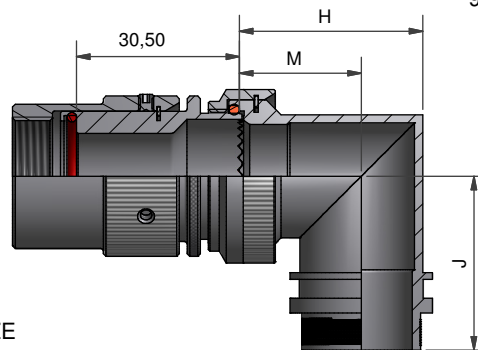
90° BACKSHELL - TYPE 1



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     | 15/12/2014 |
| CHECKED                                            |                           | DATE     | 15/12/2014 |
| APPROVED                                           | K.SHEPPARD                | DATE     | 01/09/2015 |
| APPROVED                                           | H.SMITH                   | DATE     | 06/10/2015 |
| REVISIONS                                          |                           |          |            |
| LTR                                                | DESCRIPTION               | DATE     | APPROVED   |
| E                                                  | REVISED PER ECO-14-008400 | 06.04.14 | I.M        |
| F                                                  | REVISED PER ECO-15-014373 | 01.09.15 | H.SMITH    |
| TE CAGE CODE: 06090<br>POLAMCO/TE CAGE CODE: U5792 |                           |          |            |

|                                                                                                                                                                                                                    |                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| TITLE:                                                                                                                                                                                                             |                      |
| TINEL-LOCK BACKSHELL                                                                                                                                                                                               |                      |
| ASSY USED ON:                                                                                                                                                                                                      |                      |
| MIL-DTL-22992                                                                                                                                                                                                      |                      |
| TE CONNECTIVITY - POLAMCO LTD RESERVES THE RIGHT TO AMEND THIS DRAWING AND THE INFORMATION SET FORTH HEREON AT ANY TIME. USERS SHOULD INDEPENDENTLY EVALUATE THE SUITABILITY OF THE PRODUCT FOR THEIR APPLICATION. | DRAWING NO:<br>TXB32 |
|                                                                                                                                                                                                                    | DRAWING<br>F         |

|                                                                                                                                                                                                                        |             |              |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|-----|
| <br><b>Polamco</b><br><br>TE<br>connectivity | DRAWING NO: | DRAWING REV: | SHT |
|                                                                                                                                                                                                                        | TXR32       | F            | 2   |

THESE DIMENSIONS APPLY IF  
BACKSHELL IS STAINLESS STEEL  
OR NICKEL ALUMINIUM BRONZE

| SHELL<br>SIZE | A<br>LH THREAD | ØB<br>MAX | MAX<br>ENTRY | C<br>MAX | D<br>MAX | W<br>±0,5 | T<br>±0,5 | E<br>±0,5 | W<br>MAX | T<br>±0,5 | E<br>±0,5 |
|---------------|----------------|-----------|--------------|----------|----------|-----------|-----------|-----------|----------|-----------|-----------|
| 12            | 3/4-20UNEF     | 27,2      | 08           | 29,0     | 28,5     | 41,0      | 30,0      | 29,5      | 41,0     | 30,0      | 29,7      |
| 14            | 7/8-20UNEF     | 30,2      | 10           | 29,7     | 29,5     | 44,0      | 31,5      | 31,0      | 44,0     | 31,5      | 31,2      |
| 16            | 1-20UNEF       | 33,5      | 12           | 30,0     | 30,2     | 45,8      | 32,3      | 32,7      | 45,8     | 32,3      | 32,9      |
| 18            | 1 1/8-18UNEF   | 36,6      | 14           | 30,7     | 31,0     | 51,5      | 36,0      | 34,3      | 51,5     | 36,0      | 34,5      |
| 20            | 1 1/4-18UNEF   | 39,9      | 16           | 31,2     | 31,4     | 54,7      | 37,2      | 35,8      | 54,7     | 37,2      | 36,1      |
| 22            | 1 3/8-18UNEF   | 42,9      | 18           | 32,0     | 31,6     | 56,9      | 38,5      | 37,4      | 56,9     | 38,5      | 37,6      |
| 24            | 1 5/8-18UNEF   | 52,6      | 22           | 33,5     | 32,6     | 67,0      | 43,9      | 41,9      | 64,2     | 42,8      | 41,9      |
| 28            | 1 7/8-16UN     | 58,9      | 24           | 34,8     | 33,0     | 71,3      | 46,3      | 45,3      | 70,8     | 46,0      | 45,3      |
| 32            | 2 1/16-16UNS   | 65,3      | 24           | 36,3     | 32,5     | 81,5      | 52,0      | 48,4      | 81,5     | 52,0      | 48,4      |
| 36            | 2 5/16-16UNS   | 71,6      | 24           | 37,6     | 33,8     | 84,8      | 52,8      | 51,4      | 84,0     | 52,8      | 51,4      |
| 40            | 2 5/8-18UN     | 78,0      | 24           | 38,9     | 35,3     | 90,0      | 55,6      | 54,6      | 90,0     | 55,6      | 54,6      |
| 44            | 2 7/8-16UNS    | 83,0      | 28           | 40,5     | 37,0     | 93,0      | 57,0      | 57,7      | 93,0     | 57,0      | 57,7      |

THESE DIMENSIONS APPLY IF  
BACKSHELL IS STAINLESS STEEL  
OR NICKEL ALUMINIUM BRONZE

| ENTRY<br>SIZE | ØZ<br>MIN | ØS            | ØY<br>± 0,3 | ØK<br>MAX | F<br>±0,5 | G<br>±0,5 | H<br>±0,5 | M<br>±0,5 | J<br>±0,5 | H<br>±0,5 | M<br>±0,5 | J<br>±0,5 |
|---------------|-----------|---------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 04            | 6,35      | 9,49 +/-0,04  | 14,0        | NA        | NA        | NA        | NA        | NA        | NA        | NA        | NA        | NA        |
| 05            | 7,92      | 11,06 +/-0,04 | 15,5        | NA        | NA        | NA        | NA        | NA        | NA        | NA        | NA        | NA        |
| 06            | 9,53      | 12,66 +/-0,04 | 17,1        | NA        | NA        | NA        | NA        | NA        | NA        | NA        | NA        | NA        |
| 07            | 11,10     | 14,21 +/-0,07 | 18,7        | NA        | NA        | NA        | NA        | NA        | NA        | NA        | NA        | NA        |
| 08            | 12,70     | 15,81 +/-0,07 | 20,3        | NA        | NA        | NA        | NA        | NA        | NA        | NA        | NA        | NA        |
| 10            | 15,88     | 18,96 +/-0,08 | 23,5        | 29,0      | 13,5      | 29,0      | 31,0      | 19,5      | 31,0      | 31,1      | 21,0      | 31,2      |
| 12            | 19,05     | 22,14 +/-0,08 | 26,7        | 32,5      | 14,5      | 29,7      | 34,0      | 21,0      | 32,7      | 34,2      | 22,8      | 32,9      |
| 14            | 22,23     | 25,30 +/-0,08 | 29,8        | 35,5      | 15,5      | 30,5      | 35,0      | 20,0      | 34,3      | 38,5      | 25,3      | 34,5      |
| 16            | 25,40     | 28,48 +/-0,08 | 33,0        | 37,0      | 16,1      | 30,9      | 38,0      | 21,5      | 35,8      | 40,7      | 26,1      | 36,1      |
| 18            | 28,58     | 31,65 +/-0,08 | 36,2        | 40,0      | 16,5      | 31,1      | 42,0      | 24,0      | 37,4      | 43,7      | 27,6      | 37,6      |
| 20            | 31,75     | 34,83 +/-0,08 | 39,4        | 43,5      | 17,0      | 32,1      | 45,0      | 25,5      | 38,9      | 46,4      | 29,1      | 39,1      |
| 22            | 34,93     | 37,98 +/-0,08 | 42,5        | 48,5      | 18,5      | 35,3      | 54,5      | 31,0      | 42,0      | 50,0      | 31,0      | 42,0      |
| 24            | 38,10     | 41,15 +/-0,08 | 45,7        | 52,1      | 21,9      | 38,1      | 58,0      | 33,0      | 46,0      | 53,5      | 33,0      | 46,0      |
| 28            | 44,45     | 47,50 +/-0,08 | 52,0        | 58,5      | 26,9      | 44,4      | 65,5      | 36,5      | 51,1      | 60,3      | 36,5      | 51,1      |

|                                                    |                           |             |                 |                                                                                                                                                                                                                          |                                           |                                                                                                             |                             |                          |                 |
|----------------------------------------------------|---------------------------|-------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------|-----------------|
| <b>DRAWN</b>                                       | K.WINCZURA                | DATE        | 15/12/2014      | <br>3RD ANGLE<br>PROJECTION<br>NOT TO<br>SCALE                                                                                        | <b>TITLE:</b><br><br>TINEL-LOCK BACKSHELL | <br>Polamco            |                             |                          |                 |
| <b>CHECKED</b>                                     |                           | DATE        | 15/12/2014      |                                                                                                                                                                                                                          |                                           |                                                                                                             |                             |                          |                 |
| <b>APPROVED</b>                                    | K.SHEPPARD                | DATE        | 01/09/2015      |                                                                                                                                                                                                                          |                                           |                                                                                                             |                             |                          |                 |
| <b>APPROVED</b>                                    | H.SMITH                   | DATE        | 06/10/2015      |                                                                                                                                                                                                                          |                                           |                                                                                                             |                             |                          |                 |
|                                                    |                           |             |                 | UNLESS OTHERWISE SPECIFIED<br>ALL DIMENSIONS IN MILLIMETRES<br><b>GENERAL TOL</b><br>LINEAR +/-0,25MM<br>ANGULAR +/- 1°                                                                                                  | <b>ASSY USED ON:</b><br><br>MIL-DTL-22992 | <br>TE<br>connectivity |                             |                          |                 |
| <b>REVISIONS</b>                                   |                           |             |                 |                                                                                                                                                                                                                          |                                           |                                                                                                             |                             |                          |                 |
| <b>LTR</b>                                         | <b>DESCRIPTION</b>        | <b>DATE</b> | <b>APPROVED</b> |                                                                                                                                                                                                                          |                                           |                                                                                                             |                             |                          |                 |
| <b>E</b>                                           | REVISED PER ECO-14-008400 | 06.04.14    | I.M             |                                                                                                                                                                                                                          |                                           |                                                                                                             |                             |                          |                 |
| <b>F</b>                                           | REVISED PER ECO-15-014373 | 01.09.15    | H.SMITH         | 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. |                                           |                                                                                                             | <b>DRAWING NO:</b><br>TXR32 | <b>DRAWING REV:</b><br>F | <b>SHT</b><br>3 |
| TE CAGE CODE: 06090<br>POLAMCO/TE CAGE CODE: U5792 |                           |             |                 |                                                                                                                                                                                                                          |                                           |                                                                                                             |                             |                          |                 |