

|                  |                  |            |      |   |  |  |   |                     |     |             |
|------------------|------------------|------------|------|---|--|--|---|---------------------|-----|-------------|
| DRAWN            |                  | DATE       |      | <br>3RD ANGLE<br>PROJECTION<br>NOT TO<br>SCALE  | PART NUMBER:   |  |   | <br>Polamco         |     |             |
| K.WINCZURA       |                  | 18/09/2017 |      |   | BTH SERIES   |  |   |                     |     |             |
| DESIGN APPROVAL  |                  | DATE       |      | UNLESS OTHERWISE SPECIFIED<br>ALL DIMENSIONS IN MILLIMETRES<br>GENERAL TOL<br>LINEAR +/- 0,25MM<br>ANGULAR +/- 1° | TITLE:   |  |   | <br>TE connectivity |     |             |
| K.SHEPPARD       |                  | 25/02/2008 |      |   | BANDING BACKSHELL  |  |   |                     |     |             |
| DOC TYPE         | Customer Drawing |            |      | <b>MATERIAL</b><br>SEE PART NUMBER<br>BREAKDOWN<br><br><b>FINISH</b><br>SEE PART NUMBER<br>BREAKDOWN              | ASSY USED ON: MIL-DTL-38999 SERIES III & IV  |  | RESTRICTED TO:  |                     | SHT | DRAWING NO: |
| ISSUE/REV        | AA               | DCR        | 6624 |   | THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF POLAMCO LTD<br>IT MUST NOT BE COPIED, USED FOR MANUFACTURE OR OTHERWISE<br>DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF THE COMPANY. |  | POLAMCO LTD, WESTON LOCK,<br>LOWER BRISTOL ROAD<br>BATH BA2 1EP |                     |     |             |
| NCAGE CODE U5792 |                  | WEIGHT N/A |      |   |  |  |   |                     |     |             |

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

TABLE 1

| SHELL SIZE | A THREAD  | ØB MAX | ØT MIN | C MAX | D MAX | E MAX | F MAX | K ±0,5 | F MAX | K ±1,0 |
|------------|-----------|--------|--------|-------|-------|-------|-------|--------|-------|--------|
| 09         | M12 x 1.0 | 18,0   | 6,7    | 13,1  | 25,7  | 25,7  | 30,5  | 17,5   | 32,9  | 15,9   |
| 11         | M15 x 1.0 | 21,0   | 10,2   | 13,9  | 26,9  | 26,7  | 32,2  | 17,5   | 34,1  | 17,3   |
| 13         | M18 x 1.0 | 24,5   | 13,5   | 14,5  | 27,3  | 31,2  | 33,7  | 20,0   | 35,3  | 19,1   |
| 15         | M22 x 1.0 | 29,0   | 16,2   | 15,5  | 28,2  | 37,2  | 35,2  | 24,5   | 37,1  | 21,2   |
| 17         | M25 x 1.0 | 32,5   | 19,4   | 16,1  | 29,0  | 40,2  | 36,9  | 26,7   | 39,0  | 22,8   |
| 19         | M28 x 1.0 | 35,5   | 21,8   | 16,8  | 29,3  | 44,7  | 38,5  | 27,0   | 40,8  | 24,9   |
| 21         | M31 x 1.0 | 37,0   | 25,1   | 17,1  | 30,1  | 49,2  | 40,1  | 30,5   | 42,5  | 25,6   |
| 23         | M34 x 1.0 | 40,0   | 28,2   | 17,7  | 30,5  | 51,7  | 41,6  | 31,5   | 43,9  | 27,1   |
| 25         | M37 x 1.0 | 43,5   | 31,4   | 18,4  | 31,4  | 53,2  | 43,1  | 28,5   | 45,3  | 28,6   |

TABLE 2

| ENTRY SIZE | ØG MIN | ØH MAX |
|------------|--------|--------|
| 03         | 4,7    | 13,9   |
| 04         | 6,3    | 13,9   |
| 05         | 7,9    | 15,5   |
| 06         | 9,5    | 17,2   |
| 07         | 11,1   | 18,7   |
| 08         | 12,7   | 20,3   |
| 09         | 14,2   | 21,9   |
| 10         | 15,8   | 23,5   |
| 11         | 17,4   | 25,1   |
| 12         | 19,0   | 26,7   |
| 13         | 20,6   | 28,3   |
| 14         | 22,2   | 29,9   |
| 15         | 23,8   | 31,5   |
| 16         | 25,4   | 33,1   |
| 17         | 27,0   | 34,7   |
| 18         | 28,6   | 36,3   |
| 19         | 30,2   | 37,9   |
| 20         | 31,8   | 39,5   |
| 21         | 33,3   | 41,1   |
| 22         | 35,0   | 42,7   |
| 23         | 36,5   | 44,3   |
| 24         | 38,1   | 45,9   |

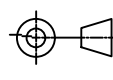
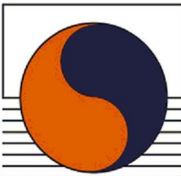
TABLE 3

| CODE | MATERIAL / FINISH   |
|------|---|
| 1-C  | ALUMINIUM / ELECTROLESS NICKEL                                  |
| 1-B  | ALUMINIUM / CADMIUM OLIVE DRAB OVER ELECTROLESS NICKEL          |
| 1-ZB | ALUMINIUM / ZINC COBALT OLIVE DRAB OVER ELECTROLESS NICKEL      |
| 1-ZK | ALUMINIUM / ZINC COBALT BLACK OVER ELECTROLESS NICKEL           |
| 1-ZN | ALUMINIUM / ZINC NICKEL BLACK PASSIVATE OVER ELECTROLESS NICKEL |
| 4-J  | STAINLESS STEEL 300 SERIES / PASSIVATE                          |
| 46-J | STAINLESS STEEL 316 / PASSIVATE                                 |
| 2-Z  | NICKEL ALUMINIUM BRONZE / SHOT BLAST                            |

SEE SS0076 FOR FULL RANGE OF FINISH OPTIONS  
NOTE: FPM O-RING SUPPLIED WITH STAINLESS BACKSHELL

**BTH1-17-08-1-C-SB**

SERIES \_\_\_\_\_  
CONNECTOR INTERFACE \_\_\_\_\_  
ANGLE \_\_\_\_\_  
SHELL SIZE (TABLE 1) \_\_\_\_\_  
ENTRY SIZE (TABLE 2) \_\_\_\_\_  
MATERIAL AND FINISH (TABLE 3) \_\_\_\_\_  
SB - SUPPLIED WITH STANDARD BAND \_\_\_\_\_  
SEE P22048 FOR OPTIONS  
(OMIT FOR NO BAND SUPPLIED)

|                  |                  |            |             |  |  |  |  |                              |  |  |  |  |
|------------------|------------------|------------|-------------|--|--|--|--|------------------------------|--|--|--|--|
| DRAWN            |                  | DATE       |             |  3RD ANGLE PROJECTION<br>NOT TO SCALE | PART NUMBER:   |  |  |                              | <br><b>BTH SERIES</b> |  |  |  |
| K.WINCZURA       |                  | 18/09/2017 |             |  | TITLE:   |  |  |                              |  |  |  |  |
| DESIGN APPROVAL  |                  | DATE       |             | UNLESS OTHERWISE SPECIFIED<br>ALL DIMENSIONS IN MILLIMETRES<br>GENERAL TOL<br>LINEAR +/-0,25MM<br>ANGULAR +/- 1°         |  |  |  |                              | ASSY USED ON: MIL-DTL-38999 SERIES III & IV  |  |  |  |
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| DOC TYPE         | Customer Drawing |            |             |  | MATERIAL<br>SEE PART NUMBER BREAKDOWN  |  |  |                              | SHT  |  |  |  |
| ISSUE/REV        | AA               |            | DCR<br>6624 |  | FINISH<br>SEE PART NUMBER BREAKDOWN  |  |  |                              | 2  |  |  |  |
| NCAGE CODE U5792 |                  | WEIGHT N/A |             |  |  |  |  | DRAWING NO:<br><b>P10744</b> |  |  |  |  |

# Mouser Electronics

Authorized Distributor

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[BTH3-13-10-1-ZN](#)