

# Customer Information Sheet

DRAWING No.: M90-601XX45

SHEET 2 OF 2

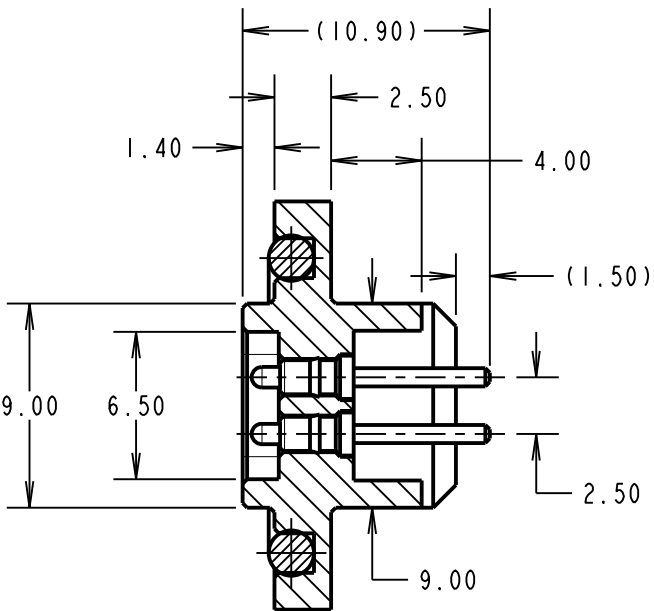
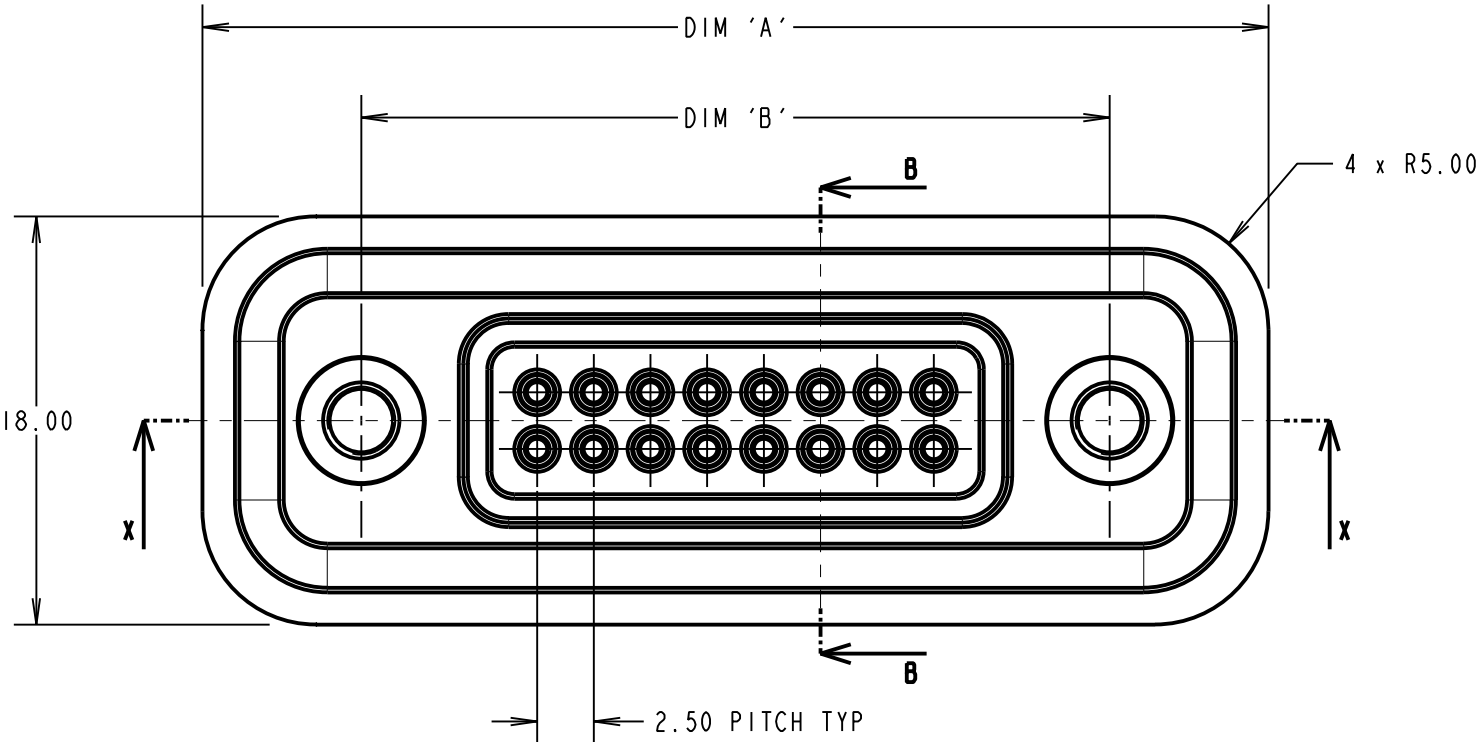
IF IN DOUBT - ASK

C

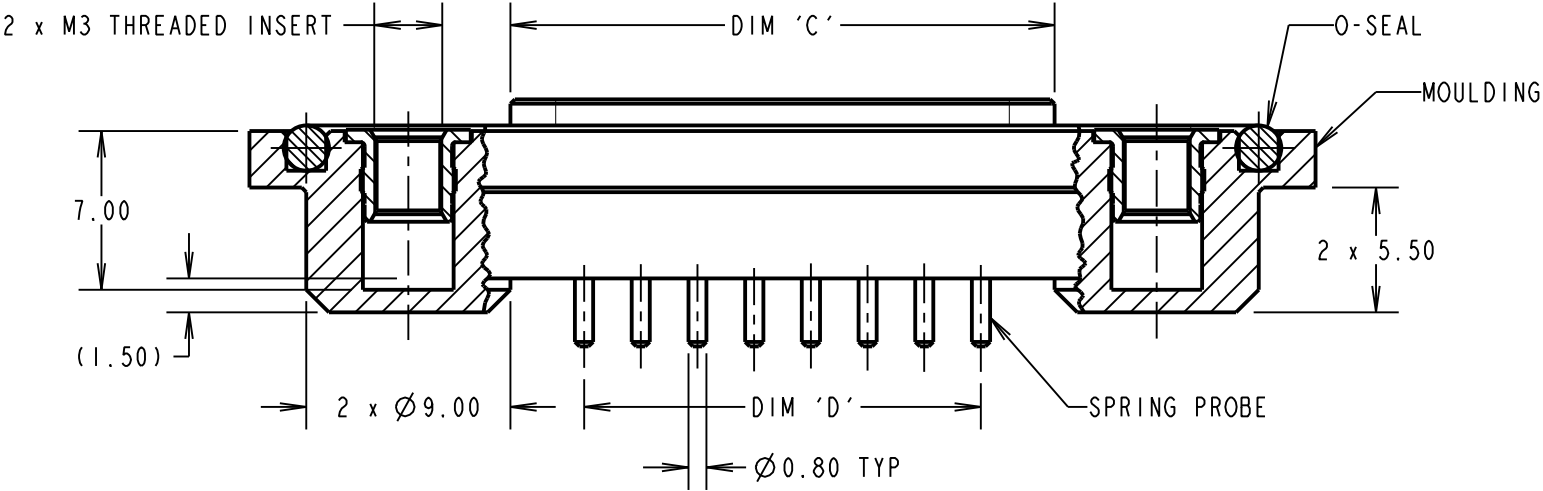
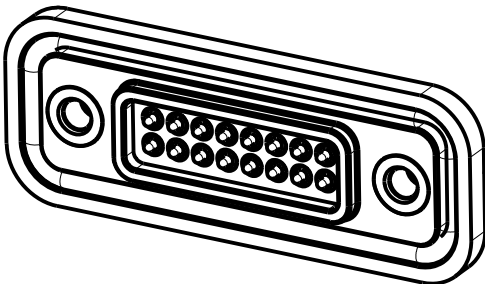
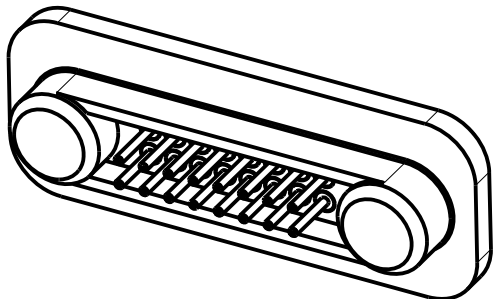
NOT TO SCALE

THIRD ANGLE PROJECTION

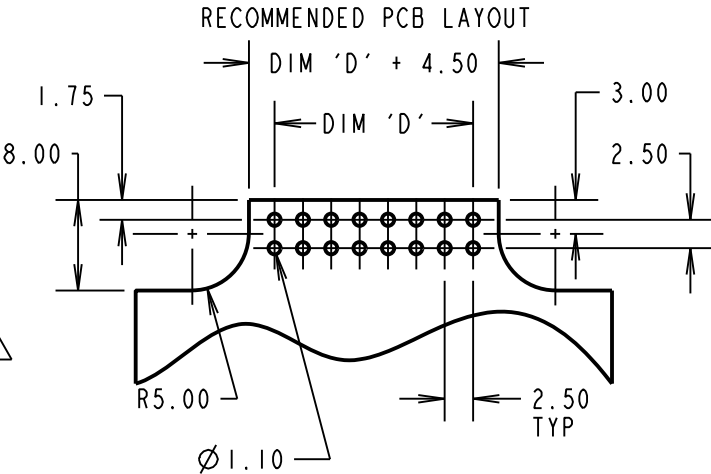
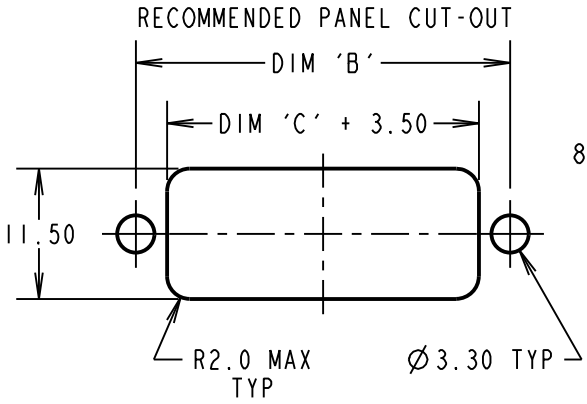
ALL DIMENSIONS IN mm



SECTION B-B



SECTION X-X



SPECIFICATION:  
MATERIAL:  
O-SEAL: THERMOPLASTIC ELASTOMER, 35 SHORE A  
MOULDING: 30% GLASS FILLED POLYAMIDE 46  
OR NYLON 6T, UL94V-0, BLACK  
SPRING PROBE: BRASS  
THREADED INSERT: BRASS  
FINISH:  
SPRING PROBE: GOLD  
ELECTRICAL:  
CONTACT RATING: 1A  
WORKING VOLTAGE: 240V DC  
CONTACT RESISTANCE: 30 MILLIOHMS  
INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500V DC  
ENVIRONMENTAL:  
OPERATING TEMPERATURE: -40°C - +100°C

- NOTES:  
1. DRAWING SHOWS 16-WAY CONNECTOR.  
2. RECOMMENDED BULKHEAD MOUNTING THICKNESS: 1.50mm.  
3. RECOMMENDED MOUNTING SCREWS: M3x6 CSK.  
4. MAXIMUM TORQUE FOR M3 x 6mm CSK MOUNTING SCREWS = 80cNM  
WHEN CONNECTOR IS MOUNTED TO PANEL WITH DIAMETER 3.3 MAX FIXING HOLES.  
5. WHEN FULLY MATED WITH FIXED CONNECTOR, MOUNTING FLANGES WILL HAVE A GAP OF 3.5mm ±0.1mm TO ALLOW FOR PANEL THICKNESS.

| PART No.    | No. OF WAYS | DIMENSION |       |       |       |
|-------------|-------------|-----------|-------|-------|-------|
|             |             | A         | B     | C     | D     |
| M90-6010845 | 8 WAY       | 37.00     | 23.00 | 14.00 | 7.50  |
| M90-6011245 | 12 WAY      | 42.00     | 28.00 | 19.00 | 12.50 |
| M90-6011645 | 16 WAY      | 47.00     | 33.00 | 24.00 | 17.50 |

|                      |      |          |        |
|----------------------|------|----------|--------|
| SB                   | 7    | 01.09.11 | 11447  |
| NAME                 | ISS. | DATE     | C/NOTE |
| APPROVED: S.BENNETT  |      |          |        |
| CHECKED: M.G.PLESTED |      |          |        |
| DRAWN: N. CODLING    |      |          |        |
| CUSTOMER REF.:       |      |          |        |
| ASSEMBLY DRG:        |      |          |        |

|                                                                        |                                                                                    |                                                                                |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| HARWIN                                                                 |                                                                                    |                                                                                |
| HARWIN USA<br>TEL: 603 893 5376<br>FAX: 603 893 5396<br>mis@harwin.com | HARWIN Europe (UK)<br>TEL: 023 9231 4545<br>FAX: 023 9231 4590<br>mis@harwin.co.uk | HARWIN Asia<br>TEL: +65 6 779 4909<br>FAX: +65 6 779 3868<br>mis@harwin.com.sg |

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TOLERANCES  
X. = ±1mm  
X.X = ±0.25mm  
X.XX = ±0.10mm  
X.XXX = ±0.01mm  
ANGLES = ±5°  
UNLESS STATED

MATERIAL:  
SEE SPECIFICATION  
FINISH:  
S/AREA: mm²

TITLE:  
SPRING PROBE ASSEMBLY  
DRAWING NUMBER:  
M90-601XX45  
SHT 2 OF 2