

# Customer Information Sheet

DRAWING No.: M50-90XXX42

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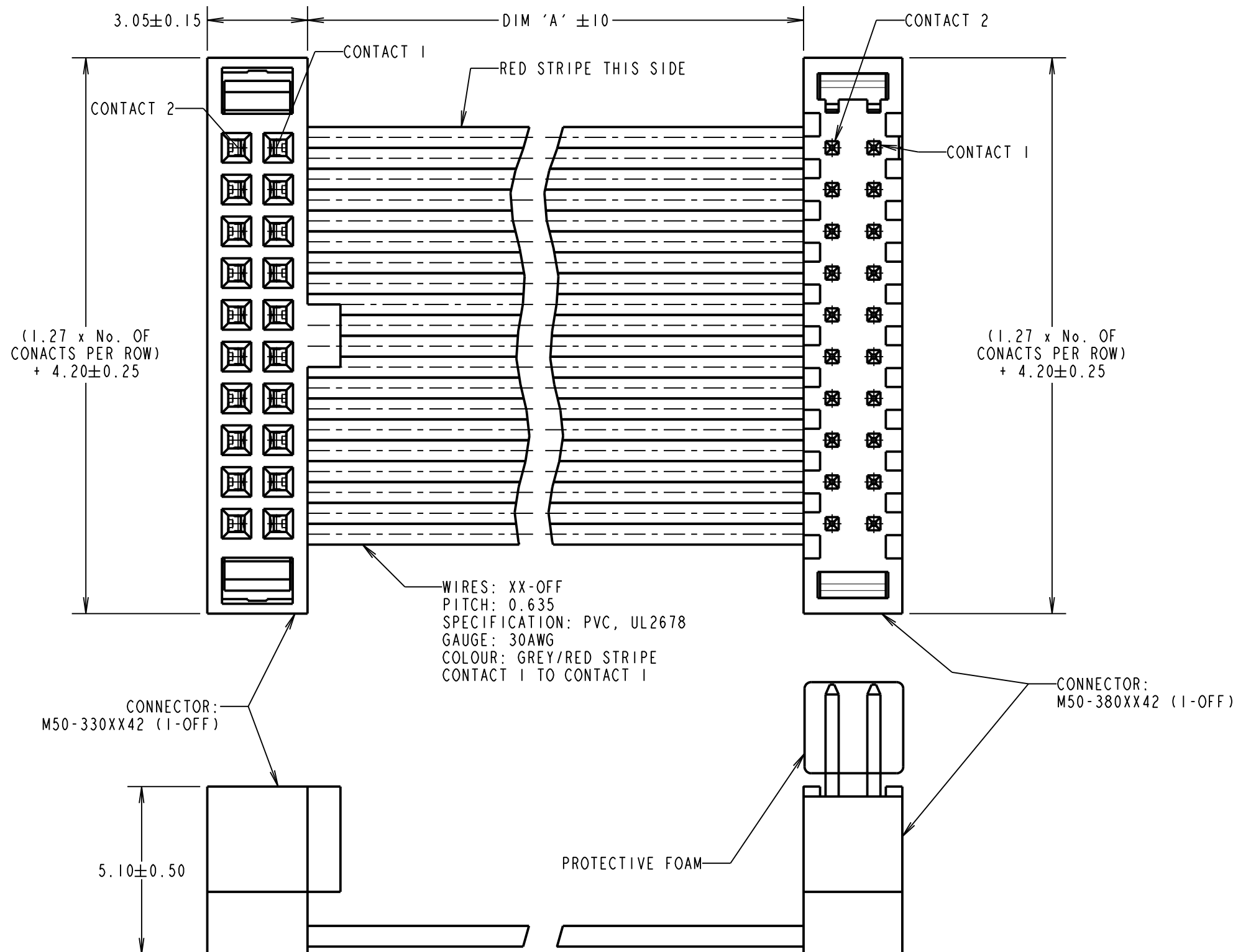
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



**SPECIFICATIONS:**

**MATERIAL:**  
MOULDINGS = PBT 30% G/F, UL94V-0, BLACK  
CONTACT = PHOSPHOR BRONZE

**FINISH:**  
CONTACTS:  
M50-330XX42 = 0.015-0.02µ MIN GOLD ON CONTACTS, 2.54µ MIN 100% TIN ON TAILS, OVER 0.76-2.03µ NICKEL  
M50-380XX42 = 0.015-0.02µ MIN GOLD ON CONTACTS, OVER 0.76-2.03µ NICKEL

**ELECTRICAL:**  
CONTACT RESISTANCE = 1.0Ω MAX  
WORKING VOLTAGE = 300V DC MIN  
INSULATION RESISTANCE = 5MΩ MIN

**MECHANICAL:**  
DURABILITY = 100 CYCLES MIN  
INSERTION FORCE = 1.0N MAX PER CONTACT  
WITHDRAWAL FORCE = 0.14N MIN PER CONTACT

**ENVIRONMENTAL:**  
TEMPERATURE RANGE = -20°C TO +105°C

**PACKING:**  
BAG  
FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C029XX (LATEST ISSUE)

|                          |                        |
|--------------------------|------------------------|
| ORDER CODE               | <b>M50-90XXX42</b>     |
| DIM 'A':                 | SEE TABLE              |
| No. OF CONTACTS PER ROW: | 05, 10, 13, 17, 20, 25 |

| PART No.    | DIM 'A' |
|-------------|---------|
| M50-901XX42 | 150     |
| M50-902XX42 | 300     |

|                |      |           |        |
|----------------|------|-----------|--------|
| SB             | 7    | 02.11.16  | 20141  |
| NAME           | ISS. | DATE      | C/NOTE |
| APPROVED:      |      | S.BENNETT |        |
| CHECKED:       |      | M.PERREN  |        |
| DRAWN:         |      | R.ADE     |        |
| CUSTOMER REF.: |      |           |        |
| ASSEMBLY DRG:  |      |           |        |

**NOTES:**

- CONNECTORS M50-330XX42 & M50-380XX42, AS WELL AS CABLE, ARE RoHS COMPLIANT.
- FOR CONNECTOR DETAILS SEE DRAWINGS M50-330XX42 & M50-380XX42.

**HARWIN**

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**TOLERANCES**

X. = ±1mm  
X.X = ±0.50mm  
X.XX = ±0.10mm  
X.XXX = ±0.01mm  
ANGLES = ±5°  
UNLESS STATED

**MATERIAL:**

SEE ABOVE

**FINISH:**

SEE ABOVE

**S/AREA:**

mm<sup>2</sup>

**TITLE:**

1.27mm PITCH IDC DIL SOCKET/PLUG CABLE ASSEMBLY

**DRAWING NUMBER:**

**M50-90XXX42**

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