

# Customer Information Sheet

DRAWING No.: M50-90XXX42

SHEET 2 OF 2

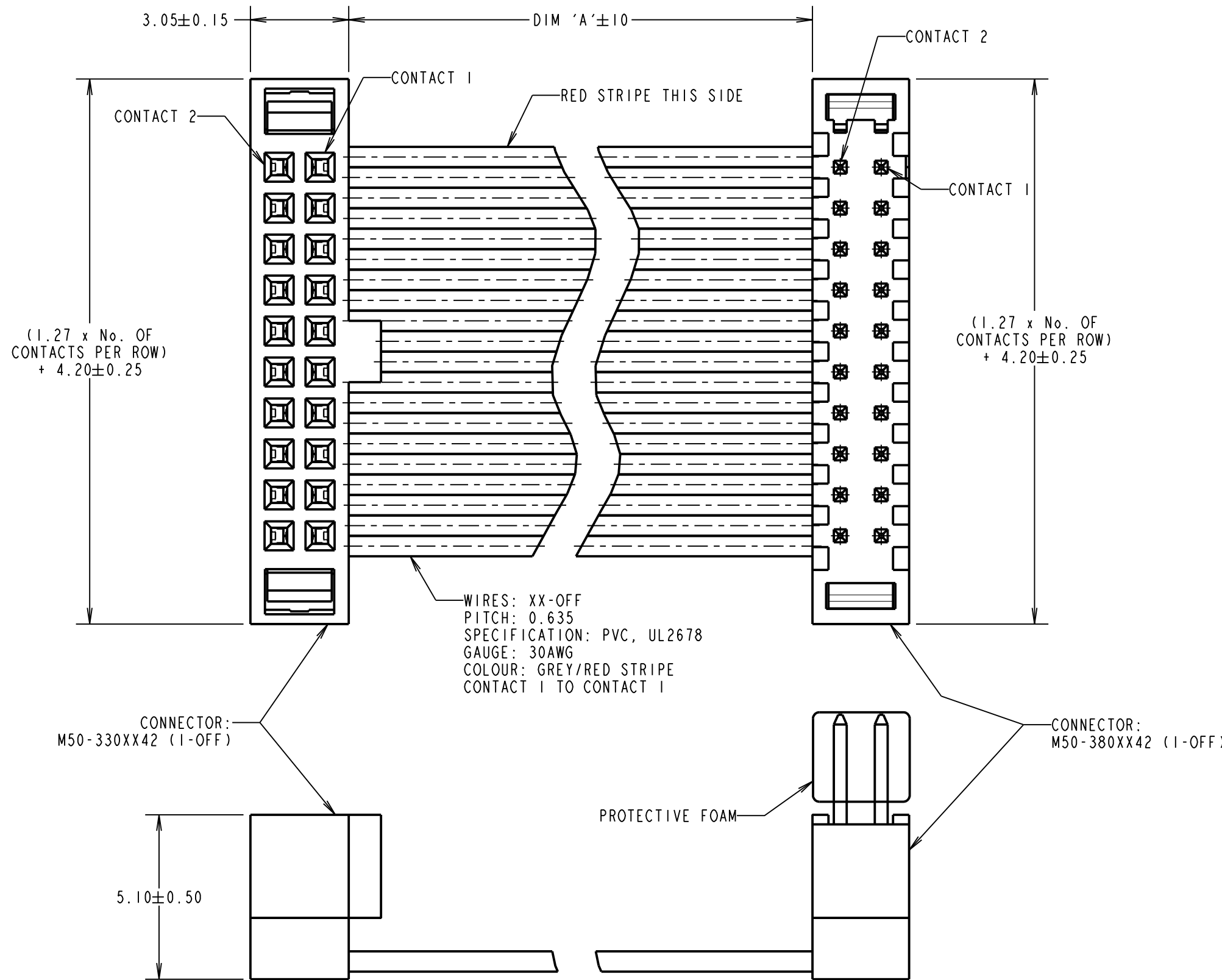
IF IN DOUBT - ASK

©

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 = 0.015-0.02µm MIN GOLD ON CONTACTS, 2.54µm MIN 100% TIN ON TAILS, OVER 0.76-2.03µm NICKEL  
 M50-380XX42 = 0.015-0.02µm MIN GOLD ON CONTACTS, OVER 0.76-2.03µm NICKEL  
**ELECTRICAL:**  
 CONTACT RESISTANCE = 1.0Ω MAX  
 WORKING VOLTAGE = 300V DC 10 SECONDS  
 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:**  
 SEE ERP FOR PACKAGING  
 FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C029XX (LATEST ISSUE)

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

PART No.	DIM 'A'
M50-900XX42	50
M50-901XX42	150
M50-902XX42	300

RA	ISS.	DATE	C/NOTE
8		17.03.20	22295
APPROVED:		R.ALEXANDER	
CHECKED:		M.PLESTED	
DRAWN:		R.ADDE	
CUSTOMER REF.:			
ASSEMBLY DRG:			

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

**HARWIN**

www.harwin.com  
 technical@harwin.com

THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION.

**TOLERANCES**  
 X. = ±1mm  
 X.X = ±0.50mm  
 X.XX = ±0.20mm  
 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**

SHT  
 2 OF 2