

Customer Information Sheet

DRAWING No.: M50-90XXX42

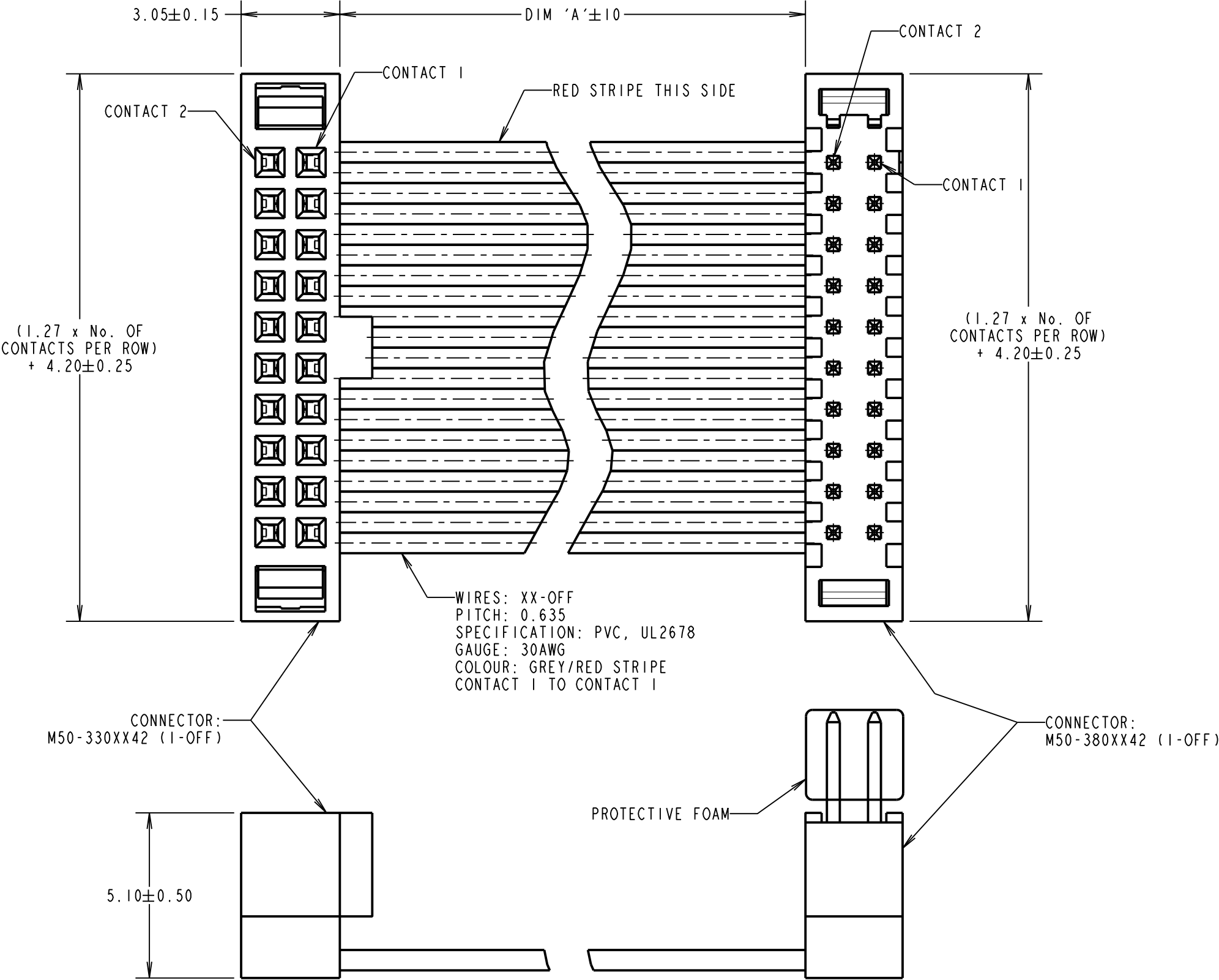
IF IN DOUBT - ASK

©

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:

RATED CURRENT = 0.5A PER CONTACT

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

MGP	9	19.07.21	30671
NAME	ISS.	DATE	CN/CO
APPROVED: MGP			
CHECKED: MR			
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:

mm²

TITLE:

1.27mm PITCH IDC DIL SOCKET/PLUG CABLE ASSEMBLY

DRAWING NUMBER:

M50-90XXX42

SHT 2 OF 2

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Harwin:

[M50-9021742](#) [M50-9012042](#) [M50-9022542](#) [M50-9012542](#) [M50-9021042](#) [M50-9011742](#) [M50-9022042](#) [M50-9011342](#) [M50-9020542](#) [M50-9021342](#) [M50-9011042](#) [M50-9010542](#)