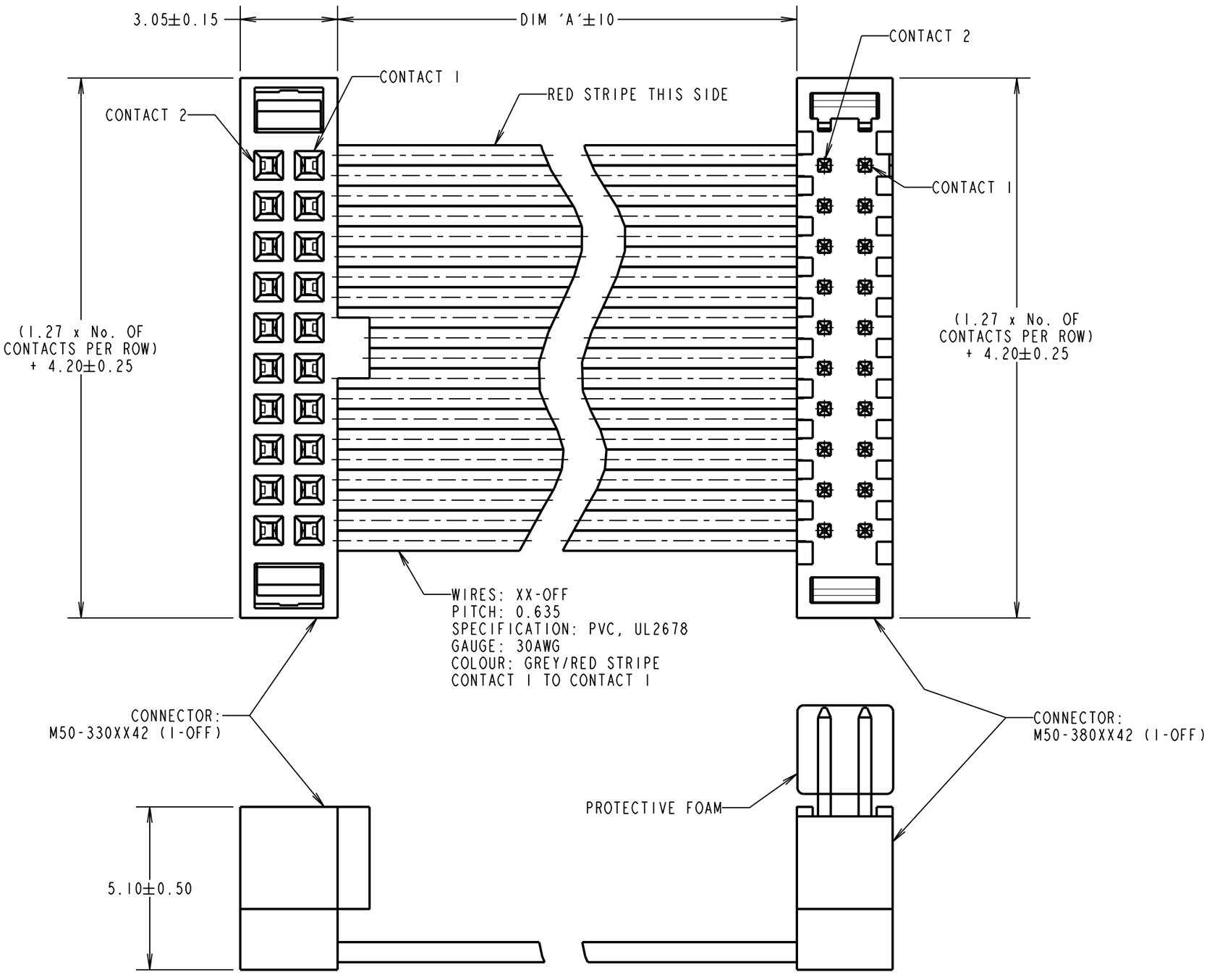
Customer Information Sheet

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	8	17.03.20	22295
NAME	ISS.	DATE	C/NOTE
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.

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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