

# Customer Information Sheet

DRAWING No.: M50-390XX42

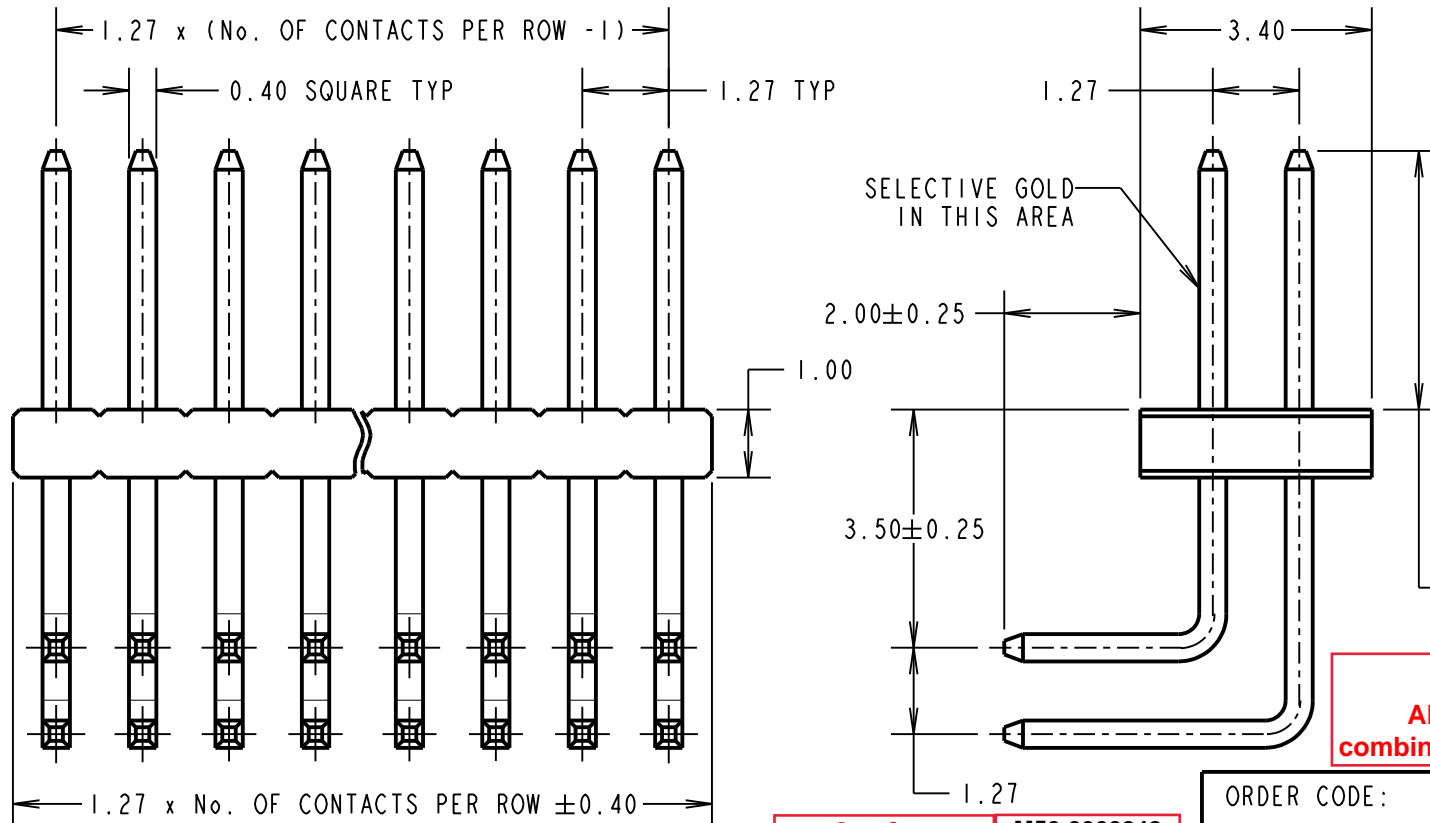
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



**SPECIFICATIONS:**

**MATERIAL:**

MOULDING = HIGH TEMP THERMOPLASTIC,  
UL94V-0, BLACK  
CONTACTS = COPPER ALLOY

**FINISH:**

CONTACTS = 0.70 TO 1.30µm NICKEL ALL OVER,  
0.08 TO 0.15µm GOLD ON CONTACT AREA,  
2.50 TO 3.00µm 100% TIN ON TAILS

**ELECTRICAL:**

CURRENT RATING = 1A  
CONTACT RESISTANCE = 20mΩ MAX  
INSULATION RESISTANCE = 1000MΩ MIN  
DIELECTRIC WITHSTANDING = 500V AC FOR  
ONE MINUTE

**MECHANICAL:**

DURABILITY = 300 CYCLES MIN

**ENVIRONMENTAL:**

TEMPERATURE RANGE = -40°C TO +105°C

**PACKING:**

BOX

FOR COMPLETE SPECIFICATION, SEE COMPONENT  
SPECIFICATION C029XX (LATEST ISSUE)

**OBSOLETE**  
All other size/finish  
combinations not listed below

**Active products:**

- M50-3900242
- M50-3900542
- M50-3900642
- M50-3900842
- M50-3901042
- M50-3901242
- M50-3901542
- M50-3902042
- M50-3902542
- M50-3905042

ORDER CODE: **M50-390XX42**

No. OF CONTACTS PER ROW: 02 TO 50

FINISH: 42 = SELECTIVE GOLD + 100% TIN OVER NICKEL

NOTES:  
1. ALL TOLERANCES ARE ±0.15 UNLESS OTHERWISE STATED.  
2. RECOMMENDED PCB HOLE SIZE = Ø0.65 ±0.05mm.

MGP	14	01.07.21	30628
NAME	ISS.	DATE	CN/CO
APPROVED: MGP			
CHECKED: MR			
DRAWN: J.KIER			
CUSTOMER REF.:			
ASSEMBLY DRG:			



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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: mm<sup>2</sup>

TITLE: 1.27mm PITCH DIL HORIZONTAL PIN HEADER  
DRAWING NUMBER: **M50-390XX42**  
SHT 2 OF 2

# Mouser Electronics

Authorized Distributor

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

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