

# Customer Information Sheet

DRAWING No.: M50-390XX42

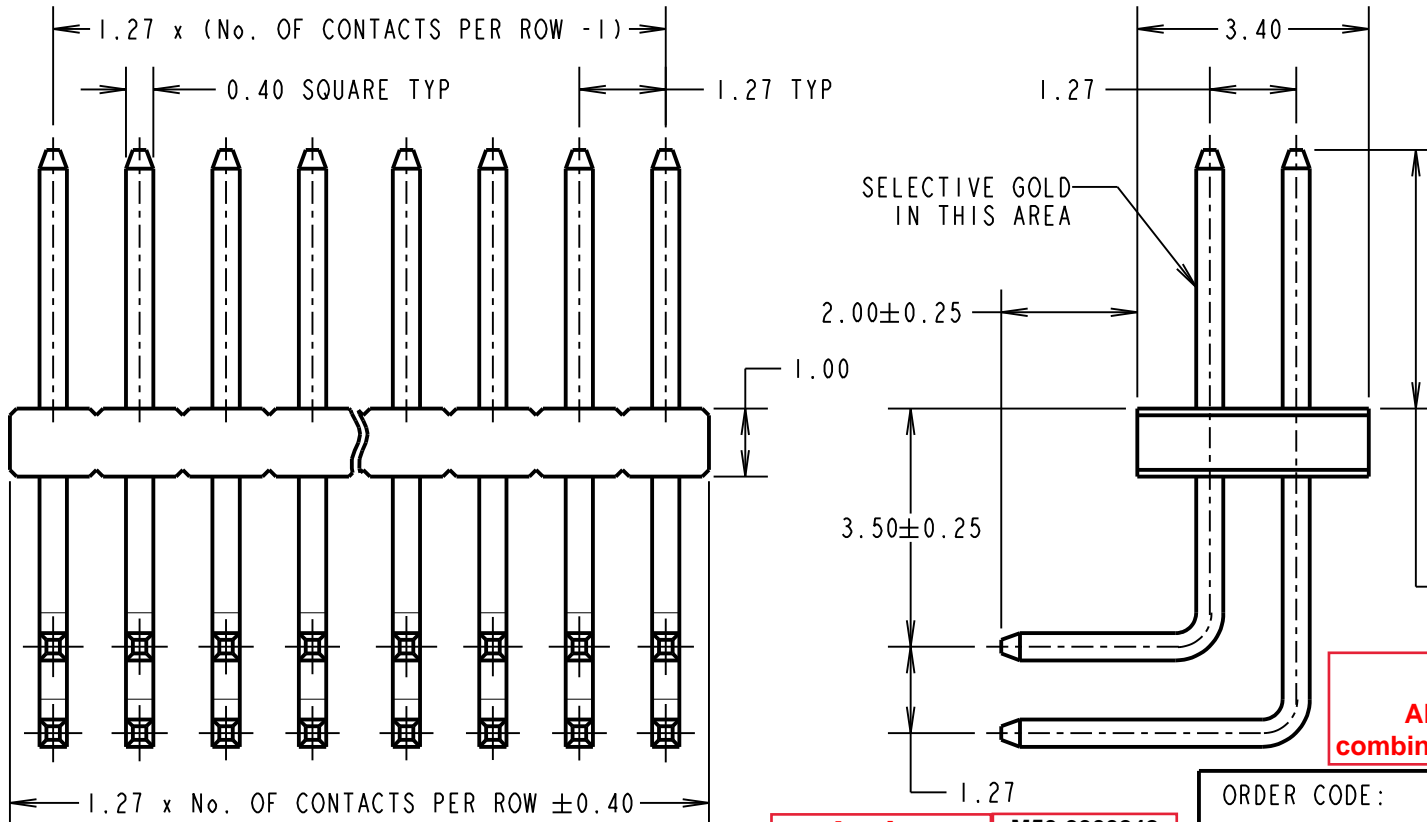
IF IN DOUBT - ASK

©

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:			



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 DIL HORIZONTAL PIN HEADER  
DRAWING NUMBER: **M50-390XX42**  
SHT 2 OF 2