

# Customer Information Sheet

DRAWING No.: M50-380XX42

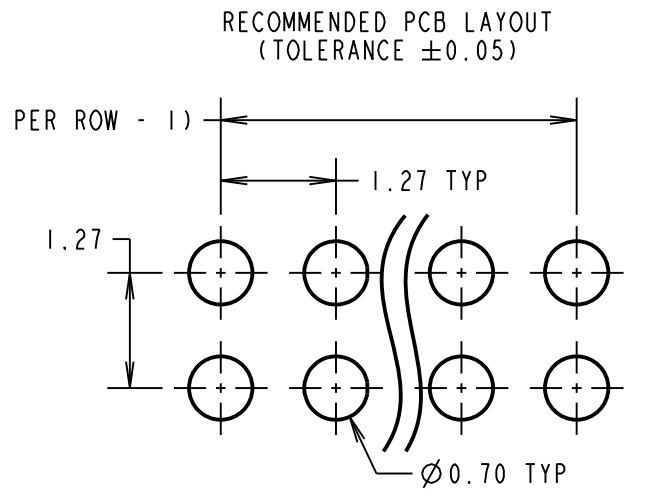
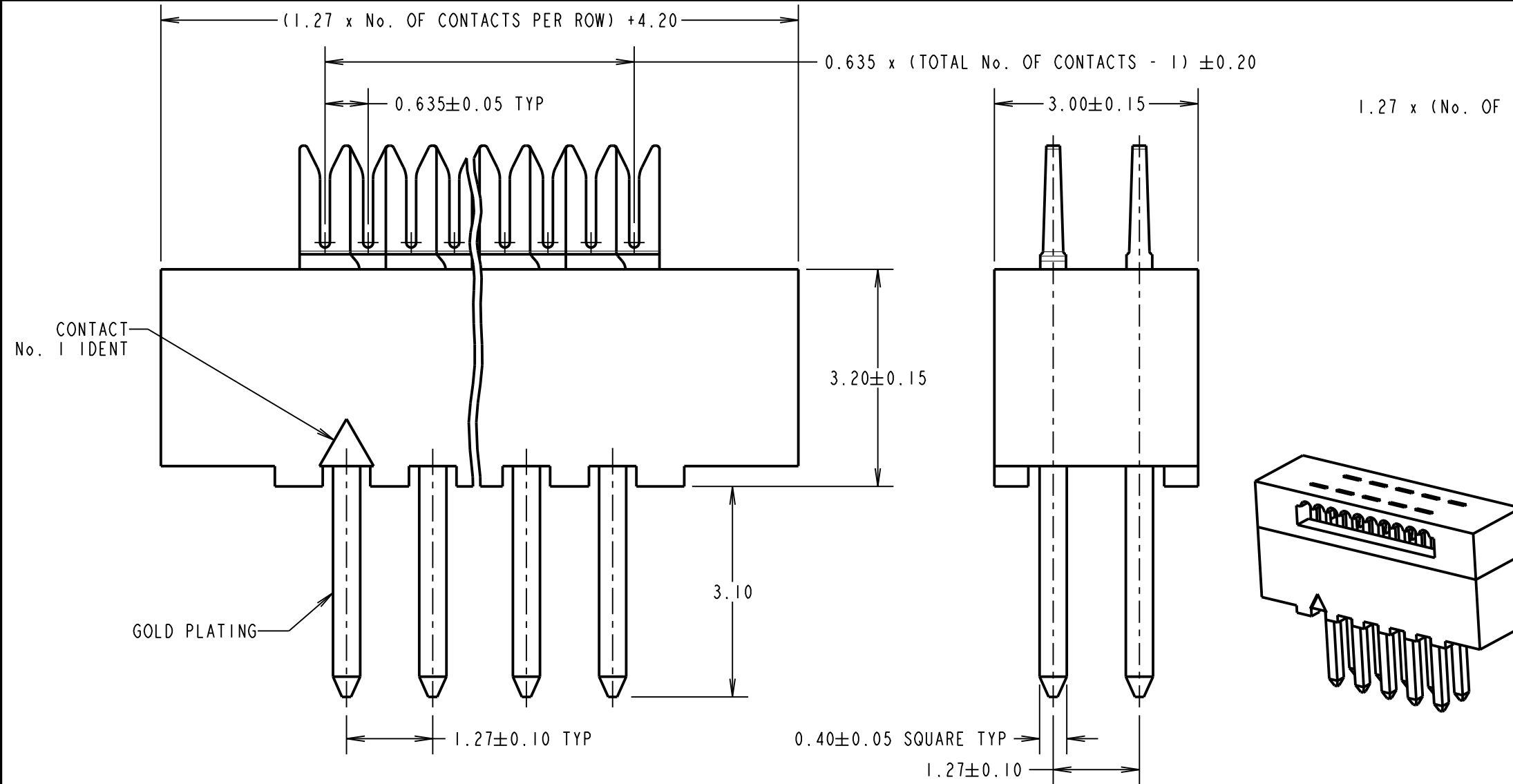
IF IN DOUBT - ASK

©

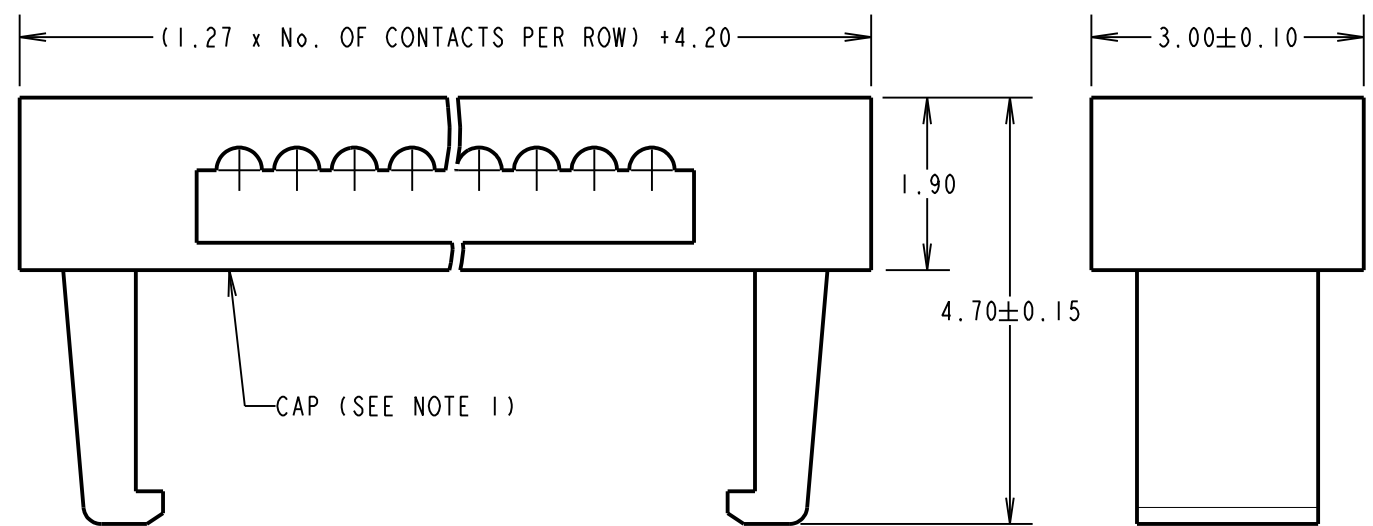
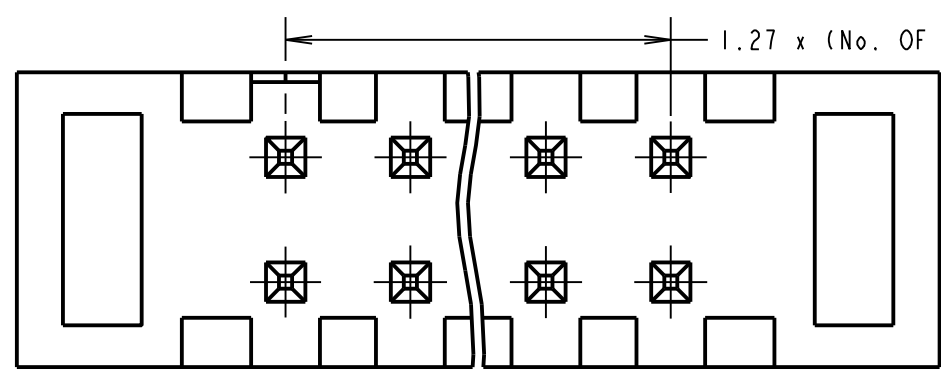
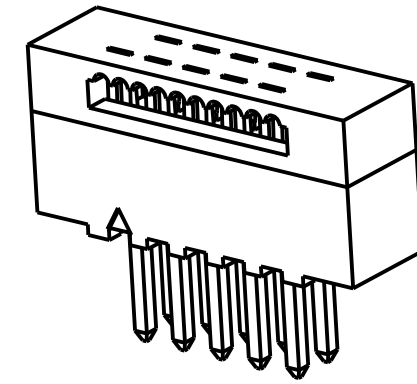
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



**SPECIFICATIONS:**  
**MATERIALS:**  
 MOULD & CAP = PBT, 30% G/F, UL94V-0  
 CONTACT = PHOSPHOR BRONZE  
**FINISH:**  
 42 = 0.015-0.02µ GOLD ON PIN CONTACT AREA,  
 0.76-2.03µ NICKEL ALL OVER  
**ELECTRICAL:**  
 RATED CURRENT = 0.5A  
 CONTACT RESISTANCE = 20mΩ MAX  
 WITHSTAND VOLTAGE = 1000V ACrms FOR 1 MIN  
 INSULATION RESISTANCE = 1000MΩ MIN  
**MECHANICAL:**  
 DURABILITY = 100 CYCLES MIN  
 INSERTION FORCE = 1.0N MAX PER CONTACT  
 WITHDRAWAL FORCE = 0.14N MIN PER CONTACT  
**ENVIRONMENTAL:**  
 OPERATING TEMPERATURE = -40°C TO +105°C  
**PACKING:**  
 TUBE  
 FOR COMPLETE SPECIFICATION, SEE  
 COMPONENT SPECIFICATION C029XX (LATEST ISSUE).



**ORDER CODE: M50-380XX42**  
 No. OF CONTACTS PER ROW:  
 05, 06, 07, 08, 10,  
 13, 17, 20, 25  
 FINISH:  
 SELECTIVE GOLD OVER NICKEL

**NOTES:**  
 1. TERMINATED HEIGHT WHEN MATED = 5.10mm  
 2. ALL TOLERANCES ARE ±0.25 UNLESS OTHERWISE STATED.  
 3. CONNECTOR IS RoHS AND REACH COMPLIANT.  
 4. CONNECTOR IS TO BE USED WITH 30AWG WIRE.

MSP	9	18.08.17	20739
NAME	ISS.	DATE	C/NOTE
APPROVED: M.PERREN			
CHECKED: M.PLESTED			
DRAWN: R.ADE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

**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 = ±0.10mm  
 X.XXX = ±0.01mm  
 ANGLES = ±5°  
 UNLESS STATED

**MATERIAL:**  
 SEE ABOVE  
**FINISH:** SEE ABOVE  
**S/AREA:** mm<sup>2</sup>

**TITLE:**  
 1.27mm DIL PC TAIL  
 IDC RIBBON CABLE CONNECTOR  
**DRAWING NUMBER:**  
**M50-380XX42**  
 SHT 2 OF 2

# Mouser Electronics

Authorized Distributor

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

[Harwin:](#)

[M50-3801042](#) [M50-3801342](#) [M50-3802542](#) [M50-3801742](#) [M50-3802042](#) [M50-3800542](#) [M50-3800742](#) [M50-3800642](#) [M50-3800842](#)