

Customer Information Sheet

DRAWING No.: M50-380XX42

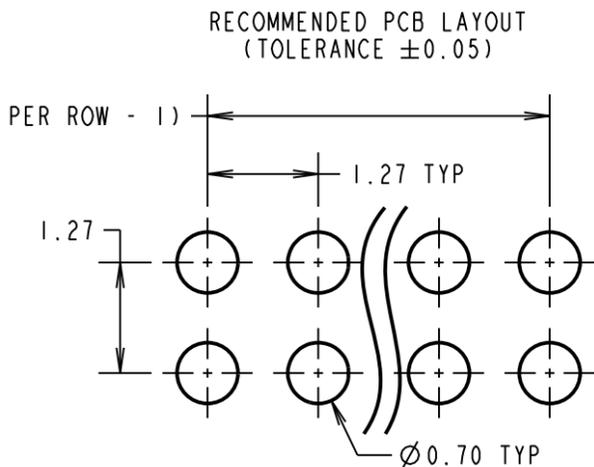
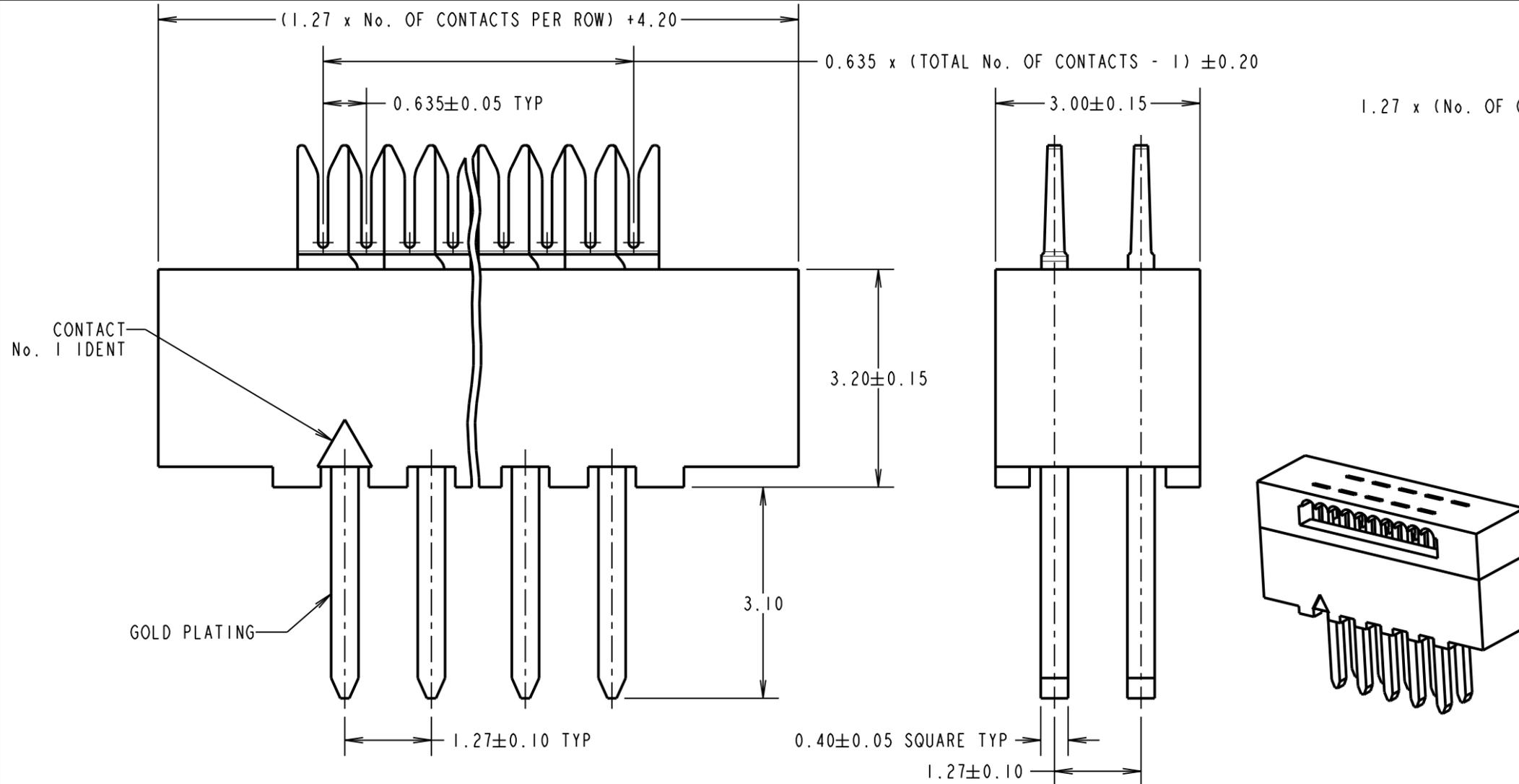
IF IN DOUBT - ASK

©

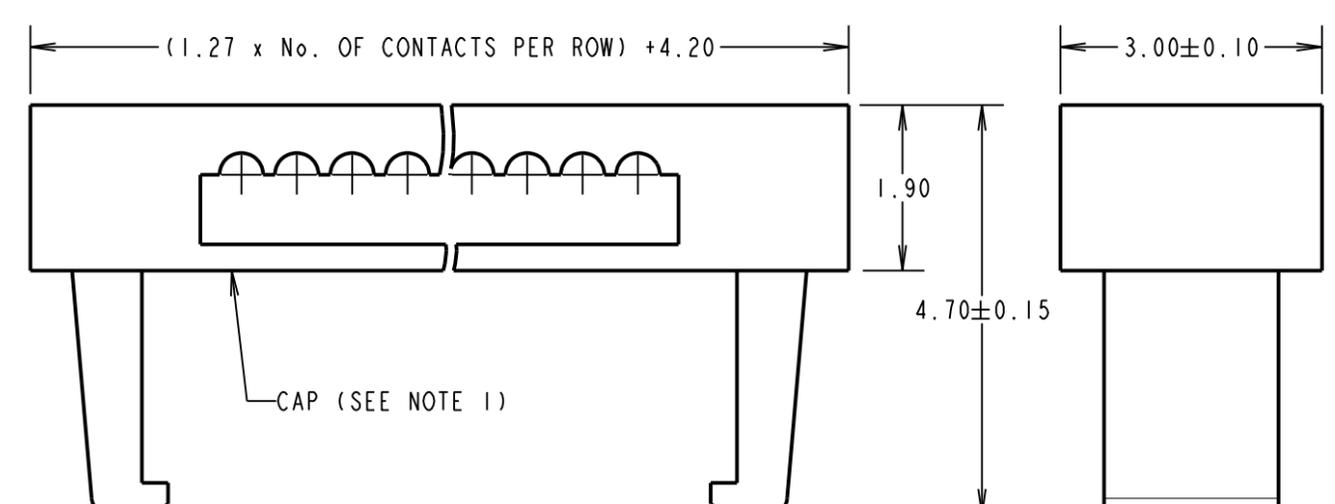
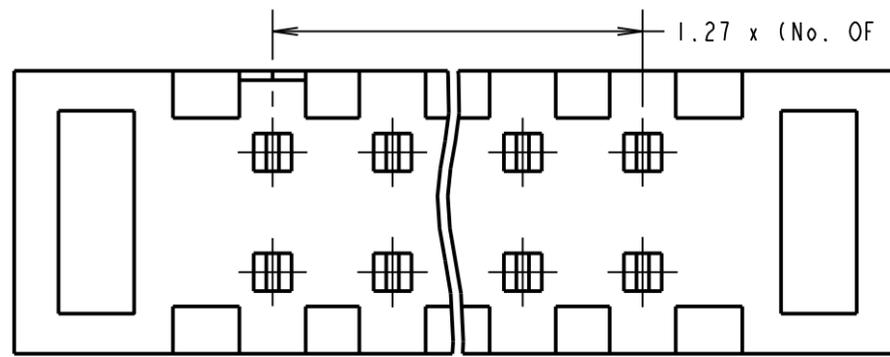
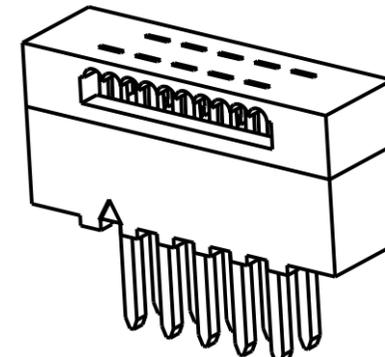
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



SPECIFICATIONS:
MATERIALS:
 MOULD & CAP= PBT, 30% G/F, UL94V-0
 CONTACT = PHOSPHOR BRONZE
FINISH:
 42 = $0.015-0.02 \mu\text{m}$ GOLD ON PIN CONTACT AREA,
 $0.76-2.03 \mu\text{m}$ NICKEL ALL OVER
ELECTRICAL:
 RATED CURRENT = 0.5A
 CONTACT RESISTANCE = $20\text{m}\Omega$ MAX
 WITHSTAND VOLTAGE = 1000V ACrms FOR 1 MIN
 INSULATION RESISTANCE = $1000\text{M}\Omega$ 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 $+105^\circ\text{C}$
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.

HARWIN
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TOLERANCES
 X = $\pm 1\text{mm}$
 X.X = $\pm 0.50\text{mm}$
 X.XX = $\pm 0.20\text{mm}$
 X.XXX = $\pm 0.01\text{mm}$
 ANGLES = $\pm 5^\circ$
 UNLESS STATED

MATERIAL:
 SEE ABOVE
FINISH:
 SEE ABOVE
S/AREA:
 mm²

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

MGP	10	09.11.21	31207
NAME	ISS.	DATE	CN/CO
APPROVED: MGP			
CHECKED: RTP			
DRAWN: R.ADDE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

Mouser Electronics

Authorized Distributor

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

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