

# Customer Information Sheet

DRAWING No.: M20-972XXXX

IF IN DOUBT - ASK



NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

**NOTES:**

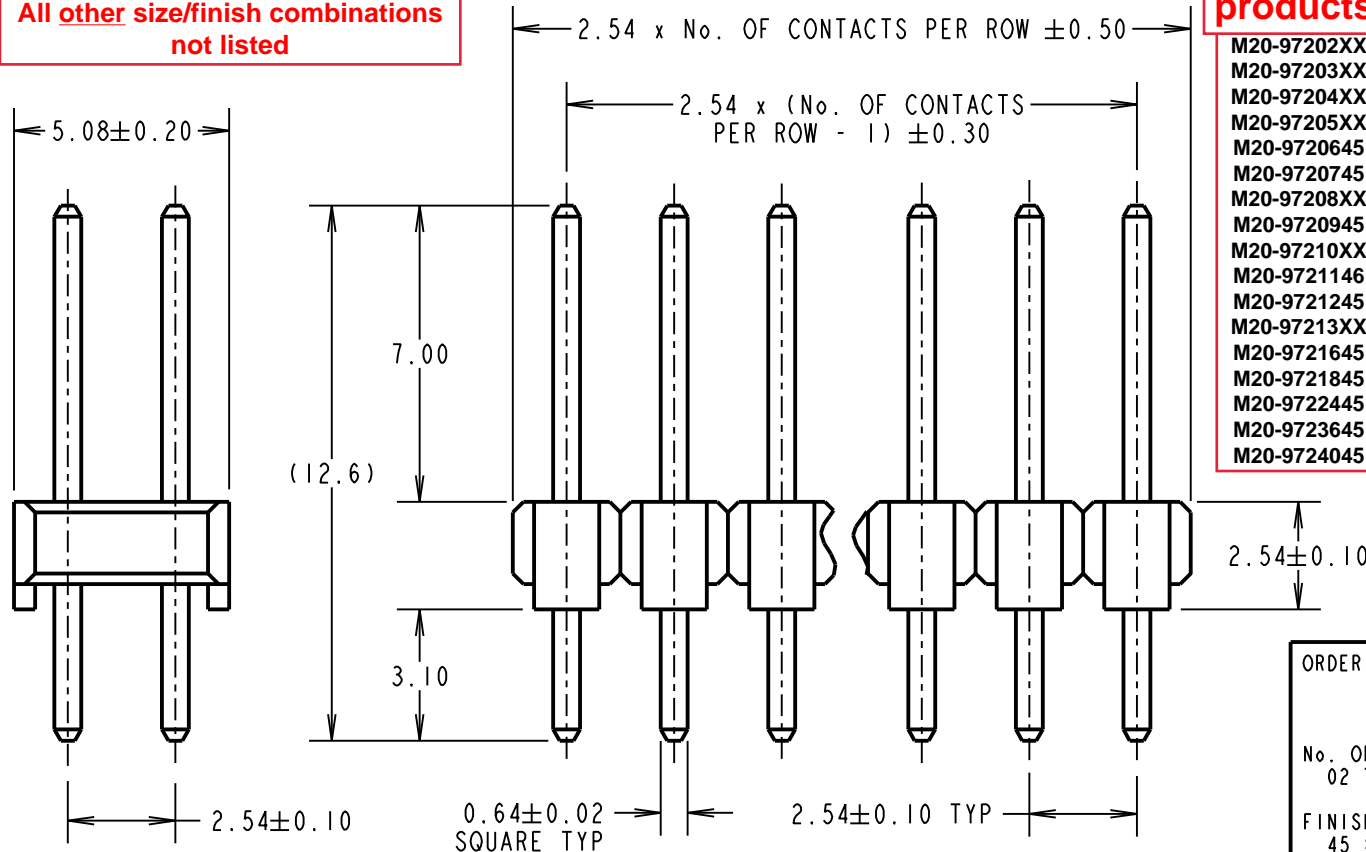
1. RECOMMENDED PCB MOUNTING HOLE SIZE =  $\varnothing 1.02 \pm 0.05$ mm.
2. ALL TOLERANCES ARE  $\pm 0.25$ mm UNLESS OTHERWISE STATED.
3. FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C001XX (LATEST ISSUE).

**SPECIFICATION:**

**MATERIAL:**  
 MOULDING = PA6T UL94V-0, BLACK  
 PINS = BRASS  
**FINISH:**  
 PINS (OVER NICKEL):  
 45 = GOLD  
 46 = 100% TIN  
**ELECTRICAL:**  
 CURRENT RATING = 3A MAX  
 CONTACT RESISTANCE =  $20m\Omega$  MAX  
 INSULATION RESISTANCE =  $1,000M\Omega$  MIN  
 DIELECTRIC STRENGTH = 500V AC  
**MECHANICAL:**  
 DURABILITY = 300 OPERATIONS (GOLD),  
 50 OPERATIONS (TIN)  
**ENVIRONMENTAL:**  
 TEMPERATURE RANGE =  $-40^{\circ}C$  TO  $+105^{\circ}C$   
**PACKING:**  
 BAG

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

**Active products:**  
 M20-97202XX  
 M20-97203XX  
 M20-97204XX  
 M20-97205XX  
 M20-9720645  
 M20-9720745  
 M20-97208XX  
 M20-9720945  
 M20-97210XX  
 M20-9721146  
 M20-9721245  
 M20-97213XX  
 M20-9721645  
 M20-9721845  
 M20-9722445  
 M20-9723645  
 M20-9724045



**ORDER CODE:**  
**M20-972XXXX**  
 No. OF CONTACTS PER ROW:  02 TO 20, 24, 25, 36, 40  
**FINISH:**  
 45 = GOLD  
 46 = 100% TIN

MGP	14	12.12.18	21677
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SB			
DRAWN: P. ALEXANDER			
CUSTOMER REF.:			
ASSEMBLY DRG:			



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**TOLERANCES**  
~~X =  $\pm 1$ mm~~  
~~X.X =  $\pm 0.50$ mm~~  
~~X.XX =  $\pm 0.10$ mm~~  
~~X.XXX =  $\pm 0.01$ mm~~  
 ANGLES =  $\pm 5^{\circ}$   
 UNLESS STATED

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

**TITLE:**  
 2.54mm PITCH DIL  
 VERTICAL PC TAIL PIN HEADER

**DRAWING NUMBER:**  
**M20-972XXXX**

SHT  
 2 OF 2

# Mouser Electronics

Authorized Distributor

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## Harwin:

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