

# Customer Information Sheet

DRAWING No.: M20-972XXXX

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

**NOTES:**

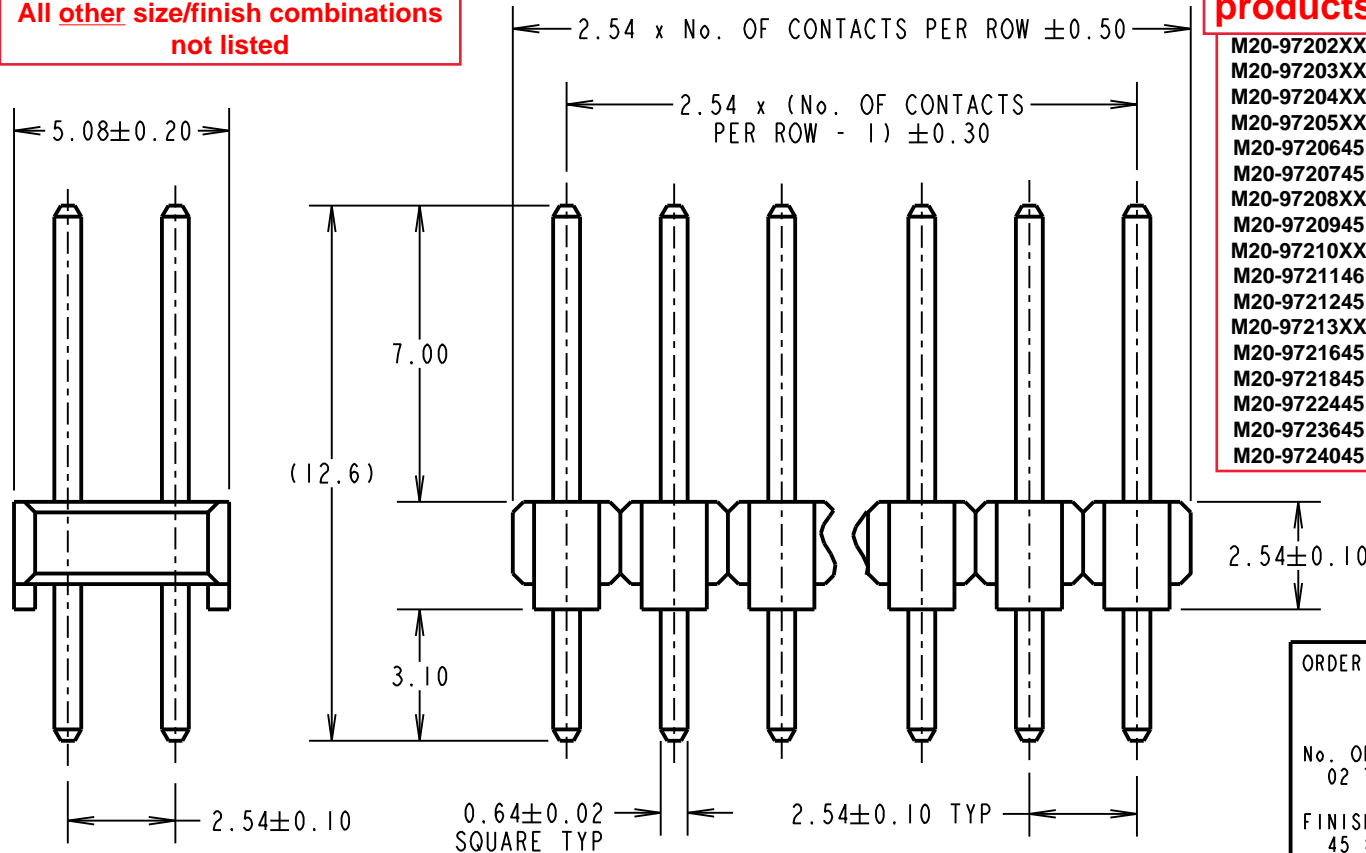
1. RECOMMENDED PCB MOUNTING HOLE SIZE =  $\varnothing 1.02 \pm 0.05$ mm.
2. ALL TOLERANCES ARE  $\pm 0.25$ mm UNLESS OTHERWISE STATED.
3. FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C001XX (LATEST ISSUE).

**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:			

**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 =  $\pm 1$ 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