

# Customer Information Sheet

DRAWING No.: M20-976XXX

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).

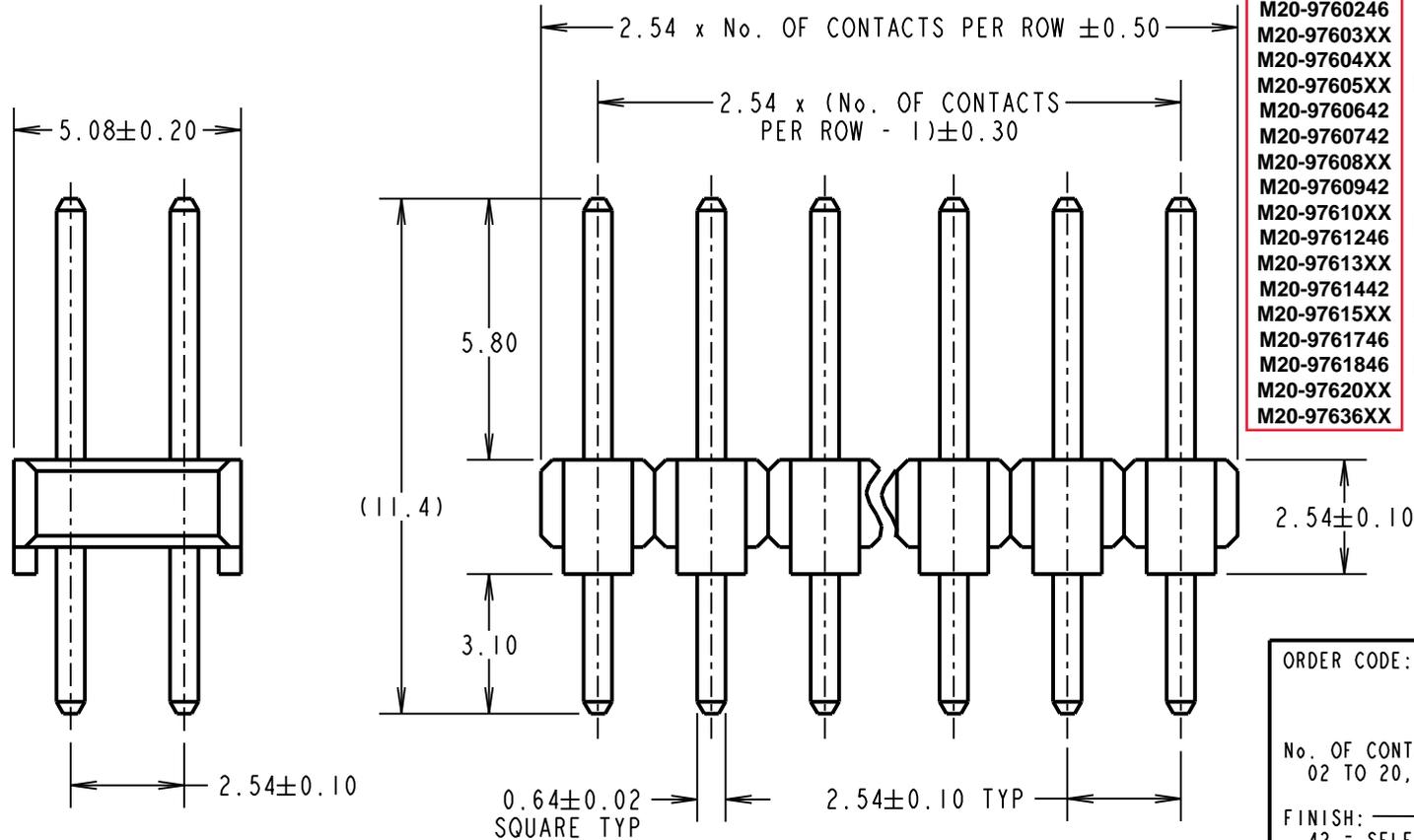
**SPECIFICATION:**

**MATERIAL:**  
 MOULDING = PA6T UL94V-0, BLACK  
 PINS = BRASS  
**FINISH:**  
 PINS (OVER NICKEL):  
 42 = GOLD ON CONTACT AREA,  
 100% TIN ON TAILS  
 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  $+105^{\circ}C$   
**PACKAGING:**  
 BAG

**Active products:**

- M20-9760246
- M20-97603XX
- M20-97604XX
- M20-97605XX
- M20-9760642
- M20-9760742
- M20-97608XX
- M20-9760942
- M20-97610XX
- M20-9761246
- M20-97613XX
- M20-9761442
- M20-97615XX
- M20-9761746
- M20-9761846
- M20-97620XX
- M20-97636XX

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



ORDER CODE:  
**M20-976XXXX**  
 No. OF CONTACTS PER ROW: 2 TO 20, 25, 36, 40  
 FINISH:  
 42 = SELECTIVE GOLD + 100% TIN  
 46 = 100% TIN

MGP	14	03.12.18	21677
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SB			
DRAWN: P. ALEXANDER			
CUSTOMER REF.:			
ASSEMBLY DRG:			

**HARWIN**

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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:**  
**M20-976XXXX**

SHT  
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