

# Customer Information Sheet

DRAWING No.: M20-977XXXX

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  $+105^{\circ}C$

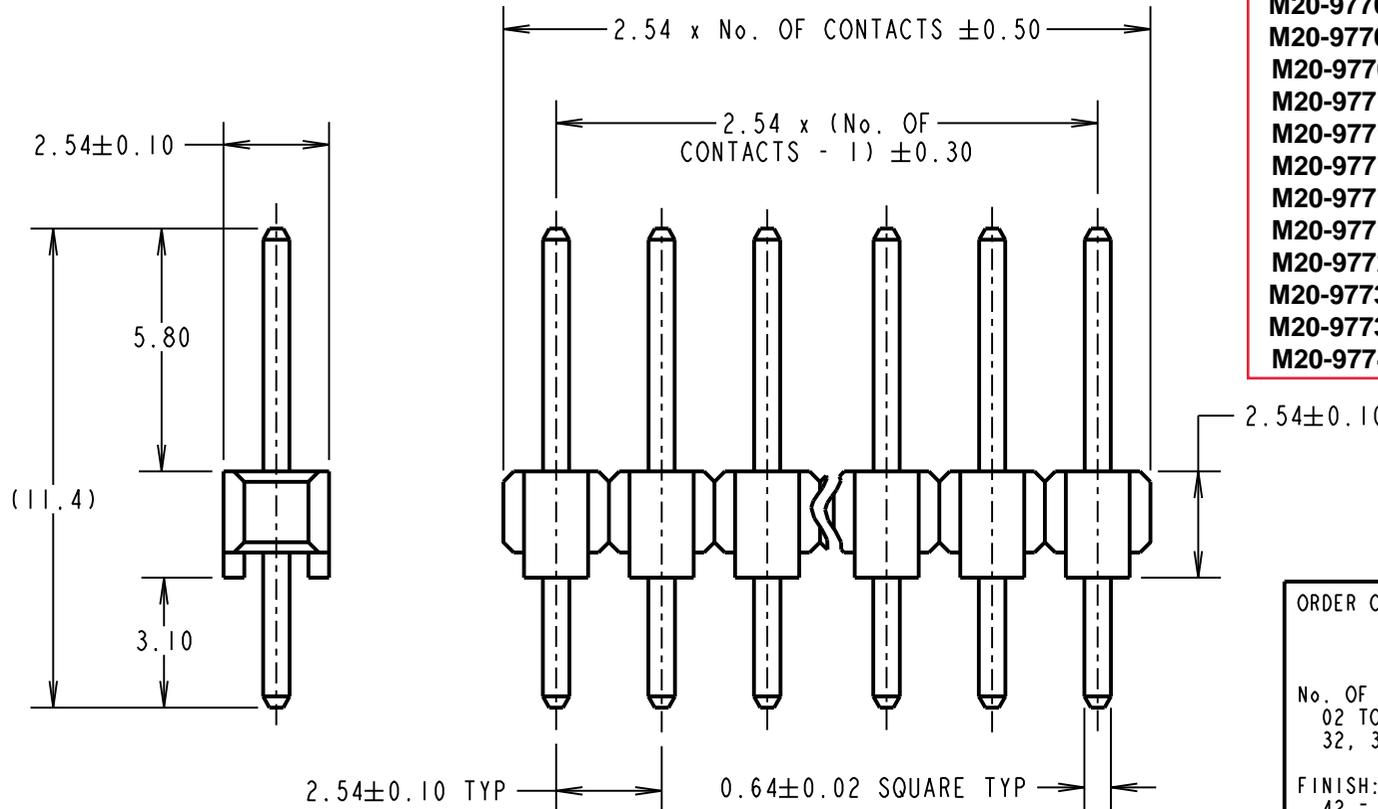
**PACKING:**

BAG

**Active products:**

- M20-97702XX
- M20-97703XX
- M20-9770446
- M20-97705XX
- M20-9770646
- M20-97707XX
- M20-97708XX
- M20-9770946
- M20-9771046
- M20-9771146
- M20-9771246
- M20-9771646
- M20-9771846
- M20-9772646
- M20-97732XX
- M20-97736XX
- M20-9774046

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



ORDER CODE:  
**M20-977XXXX**

No. OF CONTACTS: \_\_\_\_\_  
02 TO 20, 25, 26,  
32, 36, 40

FINISH: \_\_\_\_\_  
42 = SELECTIVE GOLD + 100% TIN  
46 = 100% TIN

MGP	13	17.12.18	21677
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SB			
DRAWN: P. COLLINS			
CUSTOMER REF.:			
ASSEMBLY DRG:			



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**TOLERANCES**

~~Y =  $\pm 1$ 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 SIL VERTICAL PC TAIL PIN HEADER ASSEMBLY

**DRAWING NUMBER:**  
**M20-977XXXX**

SHT  
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