

# Customer Information Sheet

DRAWING No.: M20-971XXXX

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)

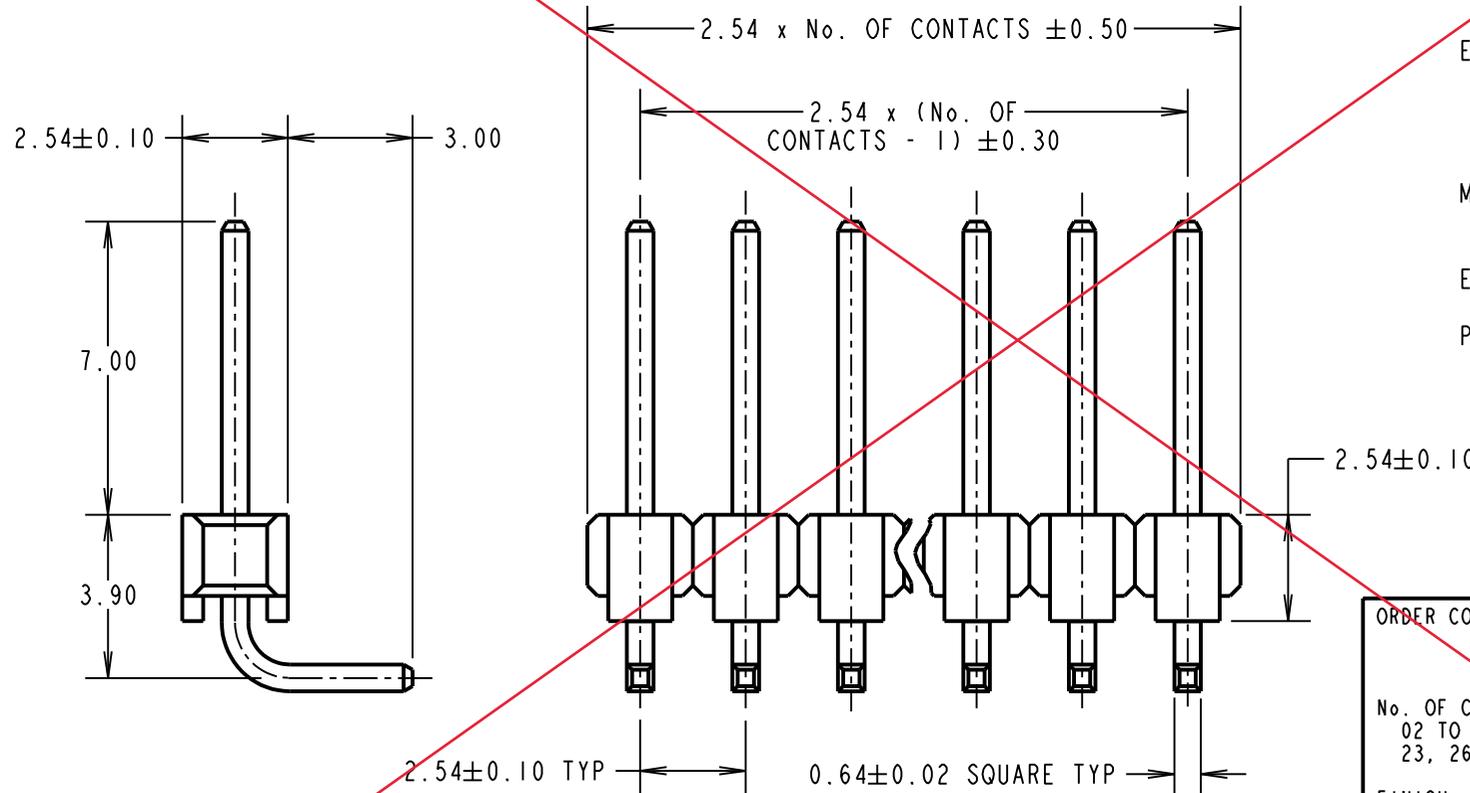
**ENVIRONMENTAL:**

TEMPERATURE RANGE =  $-40^{\circ}C$  TO  $+105^{\circ}C$

**PACKING:**

BAG

**OBSOLETE**



ORDER CODE:  
**M20-971XXXX**

No. OF CONTACTS:   
02 TO 20, 22,  
23, 26, 36, 40

FINISH:   
45 = GOLD  
46 = 100% TIN

MGP	13	03.12.18	21677
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SB			
DRAWN: J. CLAY			
CUSTOMER REF.:			
ASSEMBLY DRG:			

**HARWIN**

www.harwin.com  
technical@harwin.com

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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 SIL  
HORIZONTAL PC TAIL  
PIN HEADER ASSEMBLY

**DRAWING NUMBER:**

**M20-971XXXX**

SHT  
2 OF 2

# Customer Information Sheet

DRAWING No.: M20-971XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

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NOT TO SCALE

THIRD ANGLE PROJECTION

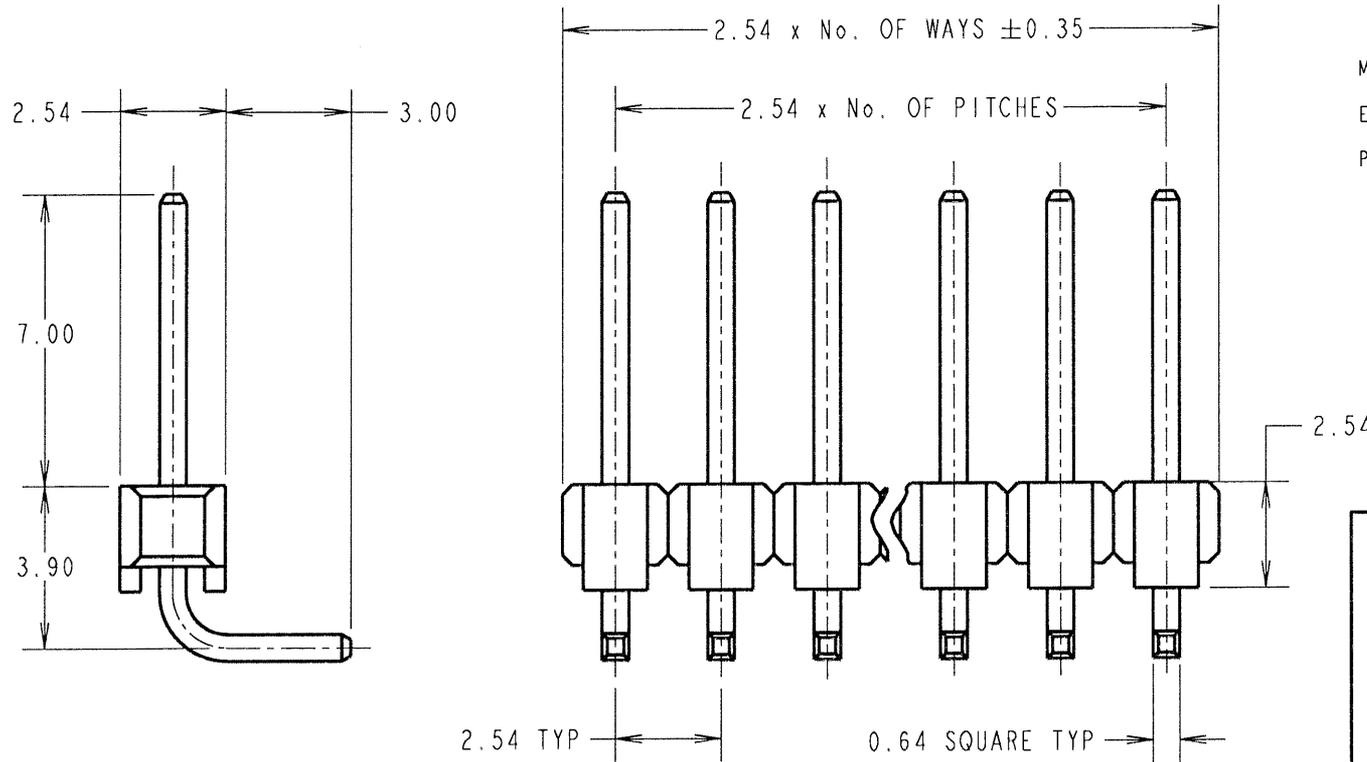
ALL DIMENSIONS IN mm

**NOTES:**

1. RECOMMENDED PCB MOUNTING HOLE SIZE =  $\varnothing 1.00\text{mm}$ .
2. ALL TOLERANCES ARE  $\pm 0.25\text{mm}$  UNLESS OTHERWISE STATED.
3. FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C001XX (LATEST ISSUE).

**SPECIFICATION:**

**MATERIAL:**  
 MOULDING = HIGH TEMP NLYON 6T UL94V-0, BLACK  
 PINS = BRASS  
**FINISH:**  
 PINS:  
 45 = GOLD  
 46 = 100% TIN OVER NICKEL  
**ELECTRICAL:**  
 CURRENT RATING = 3A MAX  
 CONTACT RESISTANCE =  $25\text{ m}\Omega$  MAX (GOLD),  $30\text{ m}\Omega$  MAX (TIN)  
 INSULATION RESISTANCE =  $1,000\text{ M}\Omega$  MIN  
 DIELECTRIC STRENGTH = 750V AC/DC  
**MECHANICAL:**  
 DURABILITY = 300 OPERATIONS (GOLD), 50 OPERATIONS (TIN)  
**ENVIRONMENTAL:**  
 TEMPERATURE RANGE =  $-40^{\circ}\text{C}$  TO  $+105^{\circ}\text{C}$   
**PACKING:**  
 BAG



**OBSOLETE**

No. of Contacts:

21, 24, 25, 27 to 35, 37 to 39

ORDER CODE:	<b>M20-971XXXX</b>
No. OF WAYS	02 TO 40
FINISH:	45 = GOLD 46 = 100% TIN

JMB	11	05.12.06	9602
NAME	ISS.	DATE	C/NOTE
APPROVED: <i>JLB</i>			
CHECKED: <i>[Signature]</i>			
DRAWN:		J. CLAY	
CUSTOMER REF.:			
ASSEMBLY DRG:			

**HARWIN**

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**TOLERANCES**  
~~X =  $\pm 1\text{mm}$~~   
~~X.X =  $\pm 0.25\text{mm}$~~   
~~X.XX =  $\pm 0.10\text{mm}$~~   
~~X.XXX =  $\pm 0.01\text{mm}$~~   
 ANGLES =  $\pm 5^{\circ}$   
 UNLESS STATED

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

**TITLE:** 2.54mm PITCH SIL HORIZONTAL PC TAIL PIN HEADER ASSEMBLY

**DRAWING NUMBER:**  
**M20-971XXXX**

SHT  
2 OF 2