

# Customer Information Sheet

DRAWING No.: M20-877XXXXP

SHEET 2 OF 2

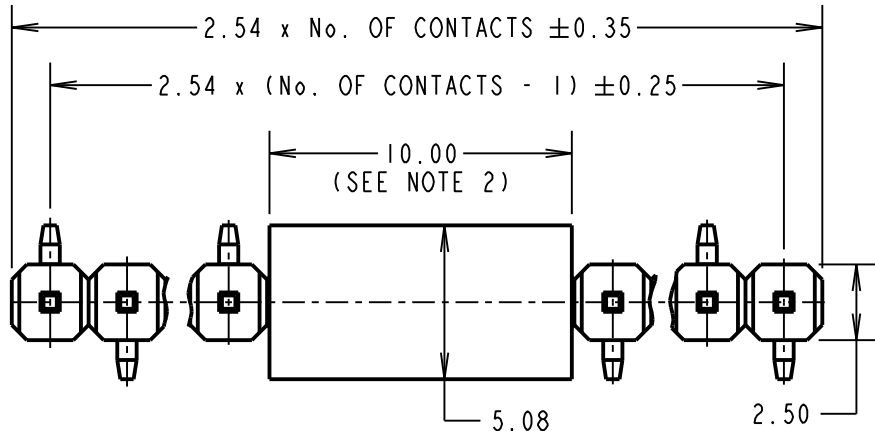
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



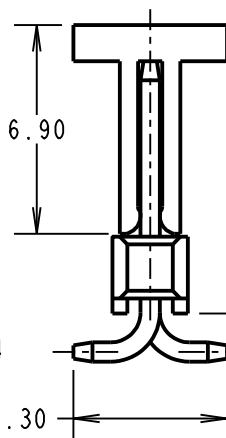
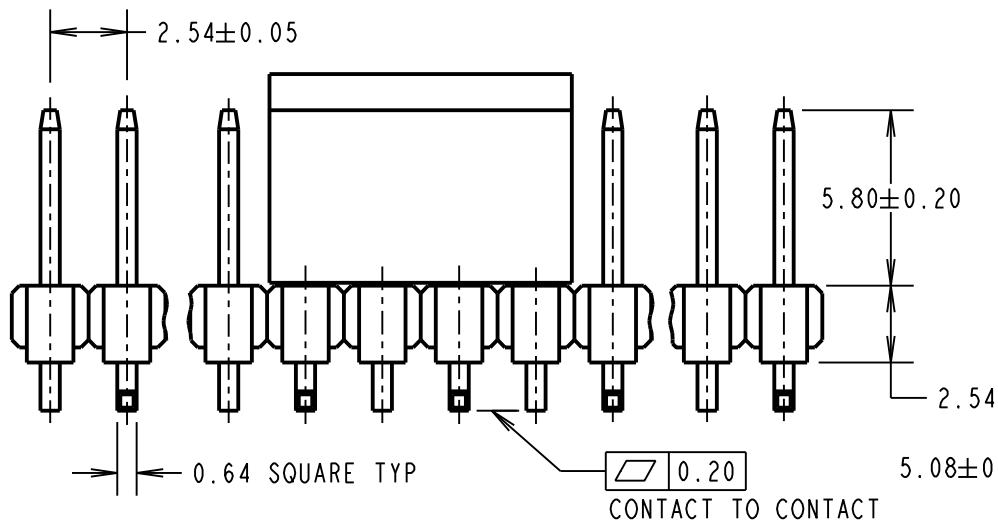
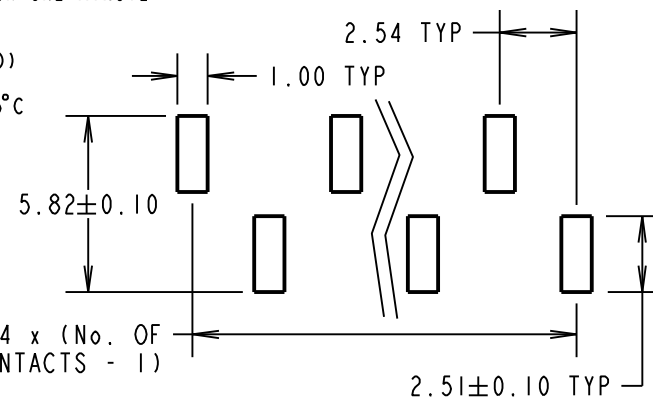
**SPECIFICATION:**

**MATERIAL:**  
 MOULDING = PA6T UL94V-0, BLACK  
 CONTACT = BRASS  
**FINISH (OVER NICKEL):**  
 42 = GOLD ON CONTACT AREA,  
 100% TIN ON TAILS  
 46 = 100% TIN  
**ELECTRICAL:**  
 CURRENT RATING = 3A MAX  
 CONTACT RESISTANCE = 20mΩ MAX  
 INSULATION RESISTANCE = 1,000MΩ MIN  
 VOLTAGE RATING = 250V AC/DC  
 WITHSTANDING VOLTAGE = 500V AC FOR ONE MINUTE  
**MECHANICAL:**  
 DURABILITY = 50 OPERATIONS (TIN)  
 300 OPERATIONS (GOLD)  
**ENVIRONMENTAL:**  
 TEMPERATURE RANGE = -40°C TO +105°C  
**PACKING:**  
 BAG  
 FOR COMPLETE SPECIFICATION,  
 SEE COMPONENT SPECIFICATION  
 C001XX (LATEST ISSUE)

**NOTES:**

- SEE DRAWING M20-877XXXXR FOR TAPE AND REELED VERSION, M20-877XXXX FOR STANDARD PRODUCT.
- FOR 4 CONTACTS AND LESS, CAP LENGTH = 6.00mm.
- ALL TOLERANCES ARE ±0.15mm UNLESS OTHERWISE STATED.

**RECOMMENDED PAD LAYOUT (TOLERANCE = ±0.05)**



1.27±0.20

**ORDER CODE:**  
**M20-877XXXXP**  
 No. OF CONTACTS: \_\_\_\_\_  
 02 TO 20  
**FINISH:**  
 42 = SELECTIVE GOLD + 100% TIN  
 46 = 100% TIN

|                         |      |          |        |
|-------------------------|------|----------|--------|
| WJP                     | 8    | 01.08.17 | 20398  |
| NAME                    | ISS. | DATE     | C/NOTE |
| APPROVED: W. J. PRESTON |      |          |        |
| CHECKED: M. PLESTED     |      |          |        |
| DRAWN: J. KEIR          |      |          |        |
| CUSTOMER REF.:          |      |          |        |
| ASSEMBLY DRG:           |      |          |        |

**HARWIN**

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**TOLERANCES**  
~~X = ±1mm~~  
~~X.X = ±0.50mm~~  
~~X.XX = ±0.10mm~~  
~~X.XXX = ±0.01mm~~  
 ANGLES = ±5°  
 UNLESS STATED

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

**TITLE:** 2.54mm PITCH SIL SMT PIN HEADER ASSEMBLY WITH PICK & PLACE CAP  
**DRAWING NUMBER:** M20-877XXXXP  
 SHT 2 OF 2

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Harwin:

[M20-8770542P](#) [M20-8770546P](#) [M20-8770442P](#) [M20-8770446P](#) [M20-8771746P](#) [M20-8771742P](#) [M20-8771546P](#)  
[M20-8771542P](#) [M20-8771646P](#) [M20-8771642P](#) [M20-8771242P](#) [M20-8771246P](#) [M20-8771346P](#) [M20-8771342P](#)  
[M20-8771446P](#) [M20-8771442P](#) [M20-8770746P](#) [M20-8770742P](#) [M20-8771846P](#) [M20-8771842P](#) [M20-8772046P](#)  
[M20-8772042P](#) [M20-8770642P](#) [M20-8770646P](#) [M20-8771946P](#) [M20-8771942P](#) [M20-8770242P](#) [M20-8770246P](#)  
[M20-8771042P](#) [M20-8771046P](#) [M20-8770842P](#) [M20-8770846P](#) [M20-8770942P](#) [M20-8770946P](#) [M20-8771142P](#)  
[M20-8771146P](#) [M20-8770342P](#) [M20-8770346P](#)