

# Customer Information Sheet

DRAWING No.: M20-877XXXXP

SHEET 2 OF 2

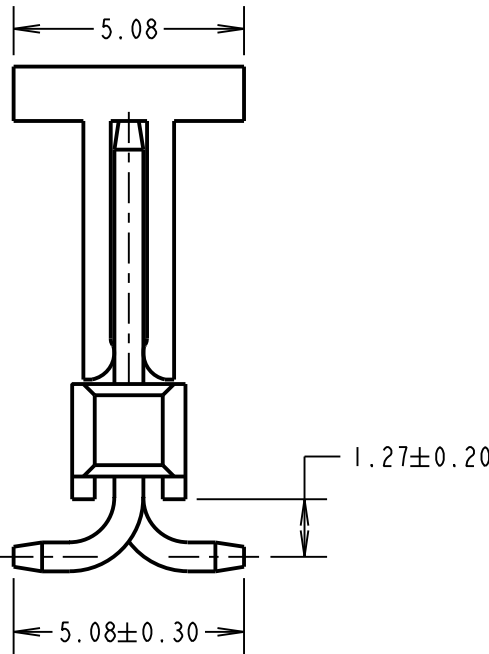
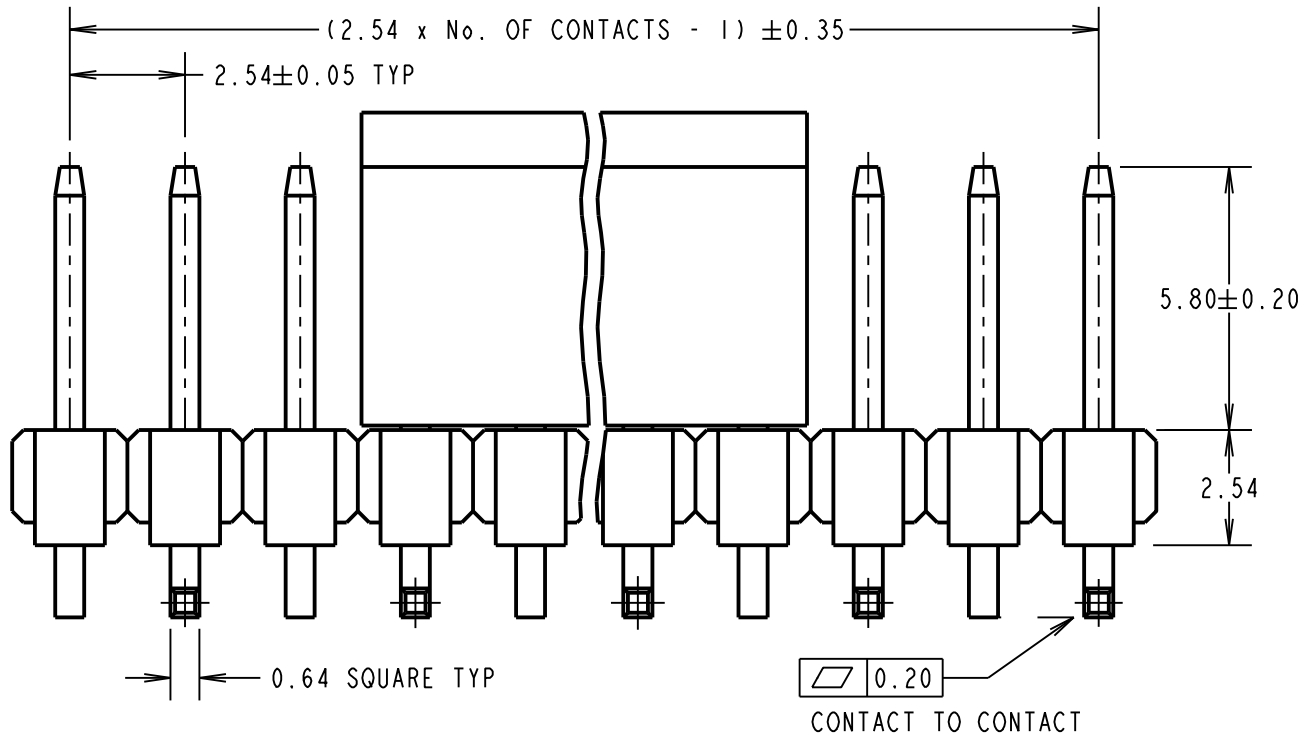
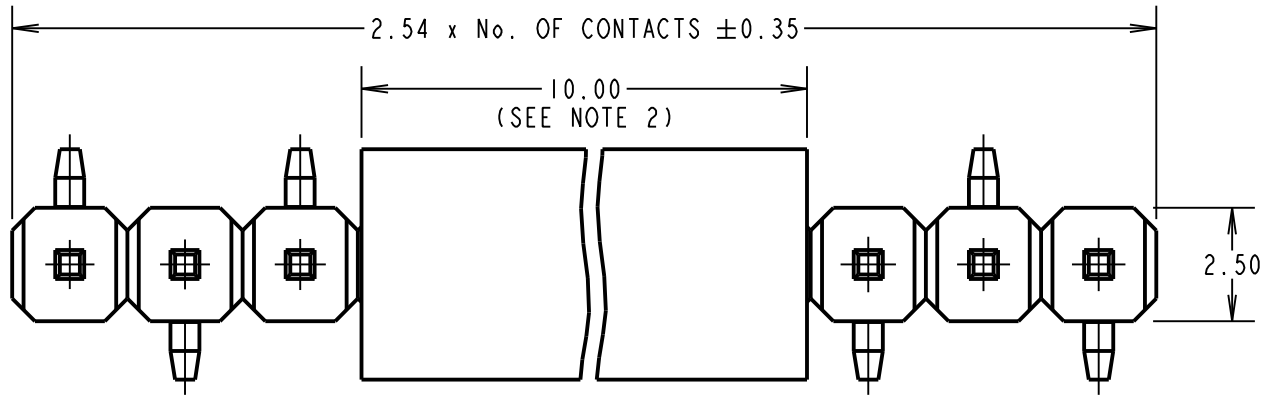
IF IN DOUBT - ASK

©

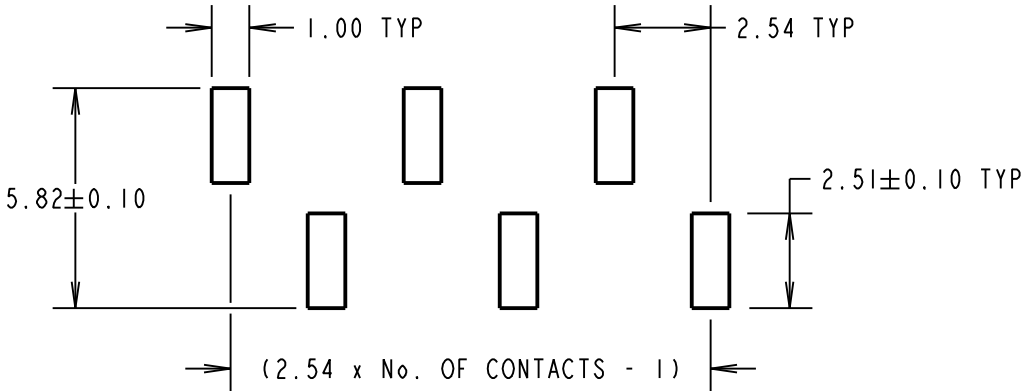
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



RECOMMENDED PAD LAYOUT  
(TOLERANCE = ±0.05)



SPECIFICATION:  
MATERIAL:  
MOULDING = NYLON 6T UL94V-0, BLACK  
CONTACT = BRASS  
FINISH:  
42 = SELECTIVE 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 = 750V AC/DC  
WITHSTANDING VOLTAGE = 500V AC FOR ONE MIN  
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)

ORDER CODE:  
**M20-877XXXXP**  
No. OF CONTACTS: 02 TO 36  
FINISH:  
42 = SELECTIVE GOLD + 100% TIN  
46 = 100% TIN

|                |      |           |       |
|----------------|------|-----------|-------|
| SB             | 7    | 05.03.15  | 12764 |
| NAME           | ISS. | DATE      | C/NOT |
| APPROVED:      |      | S.BENNETT |       |
| CHECKED:       |      | M.PLESTED |       |
| DRAWN:         |      | J. KEIR   |       |
| CUSTOMER REF.: |      |           |       |
| ASSEMBLY DRG:  |      |           |       |

- 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.

**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 = ±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:

|                              |                              |                              |                              |                              |                              |                              |
|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| <a href="#">M20-8773442P</a> | <a href="#">M20-8773446P</a> | <a href="#">M20-8770542P</a> | <a href="#">M20-8770546P</a> | <a href="#">M20-8770442P</a> | <a href="#">M20-8770446P</a> | <a href="#">M20-8773542P</a> |
| <a href="#">M20-8773546P</a> | <a href="#">M20-8772246P</a> | <a href="#">M20-8772242P</a> | <a href="#">M20-8772346P</a> | <a href="#">M20-8772342P</a> | <a href="#">M20-8771746P</a> | <a href="#">M20-8771742P</a> |
| <a href="#">M20-8773046P</a> | <a href="#">M20-8773042P</a> | <a href="#">M20-8771546P</a> | <a href="#">M20-8771542P</a> | <a href="#">M20-8772846P</a> | <a href="#">M20-8772842P</a> | <a href="#">M20-8772942P</a> |
| <a href="#">M20-8772946P</a> | <a href="#">M20-8771646P</a> | <a href="#">M20-8771642P</a> | <a href="#">M20-8771242P</a> | <a href="#">M20-8771246P</a> | <a href="#">M20-8771346P</a> | <a href="#">M20-8771342P</a> |
| <a href="#">M20-8773642P</a> | <a href="#">M20-8773646P</a> | <a href="#">M20-8771446P</a> | <a href="#">M20-8771442P</a> | <a href="#">M20-8770746P</a> | <a href="#">M20-8770742P</a> | <a href="#">M20-8771846P</a> |
| <a href="#">M20-8771842P</a> | <a href="#">M20-8772046P</a> | <a href="#">M20-8772042P</a> | <a href="#">M20-8770642P</a> | <a href="#">M20-8770646P</a> | <a href="#">M20-8772146P</a> | <a href="#">M20-8772142P</a> |
| <a href="#">M20-8771946P</a> | <a href="#">M20-8771942P</a> | <a href="#">M20-8772642P</a> | <a href="#">M20-8772646P</a> | <a href="#">M20-8772446P</a> | <a href="#">M20-8772442P</a> | <a href="#">M20-8772542P</a> |
| <a href="#">M20-8772546P</a> | <a href="#">M20-8773242P</a> | <a href="#">M20-8773246P</a> | <a href="#">M20-8773342P</a> | <a href="#">M20-8773346P</a> | <a href="#">M20-8773142P</a> | <a href="#">M20-8773146P</a> |
| <a href="#">M20-8770242P</a> | <a href="#">M20-8770246P</a> | <a href="#">M20-8771042P</a> | <a href="#">M20-8771046P</a> | <a href="#">M20-8770842P</a> | <a href="#">M20-8770846P</a> | <a href="#">M20-8772742P</a> |
| <a href="#">M20-8772746P</a> | <a href="#">M20-8770942P</a> | <a href="#">M20-8770946P</a> | <a href="#">M20-8771142P</a> | <a href="#">M20-8771146P</a> | <a href="#">M20-8770342P</a> | <a href="#">M20-8770346P</a> |