

# Customer Information Sheet

DRAWING No.: M20-785XXXX

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

**SPECIFICATION:**

**MATERIAL:**  
 Moulding = PA6T UL94V-0, BLACK  
 CONTACTS = PHOSPHOR BRONZE  
**FINISH (OVER NICKEL):**  
 42 = GOLD ON CONTACT AREA, 100% TIN ON TAILS  
 46 = 100% TIN

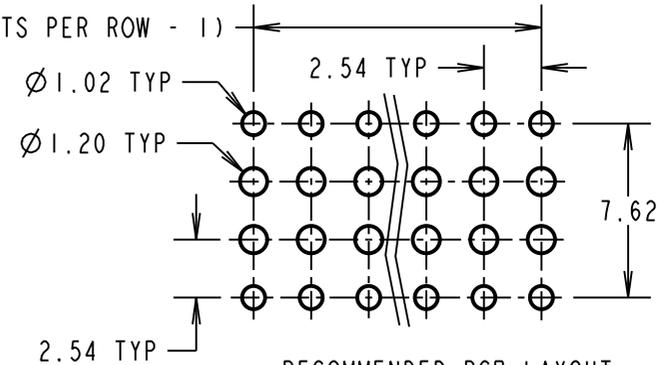
**ELECTRICAL:**  
 CURRENT RATING = 3A  
 VOLTAGE RATING = 500V AC  
 CONTACT RESISTANCE = 20mΩ MAX  
 INSULATION RESISTANCE = 1000MΩ MIN

**MECHANICAL:**  
 DURABILITY = 100 CYCLES MIN  
 INSERTION FORCE = 2.0N MAX  
 WITHDRAWAL FORCE = 0.3N MAX

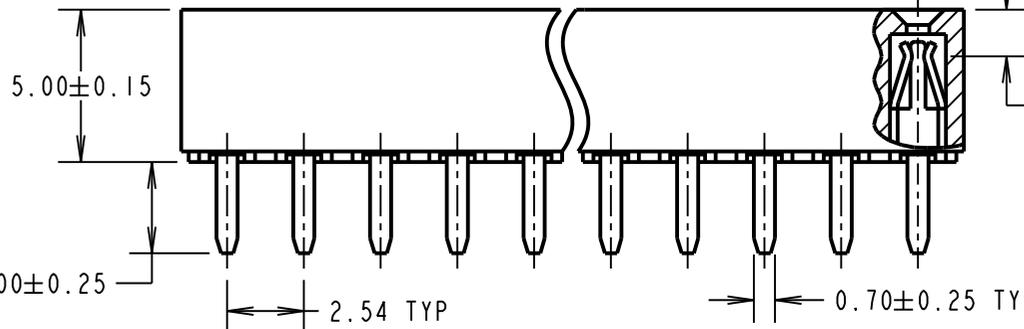
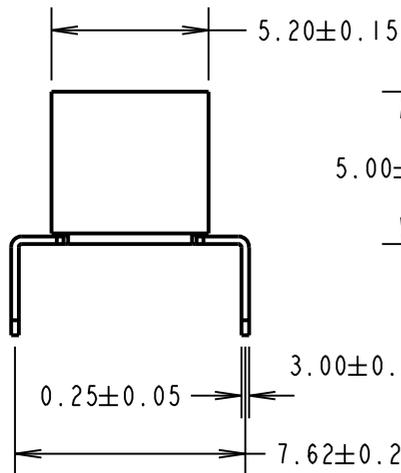
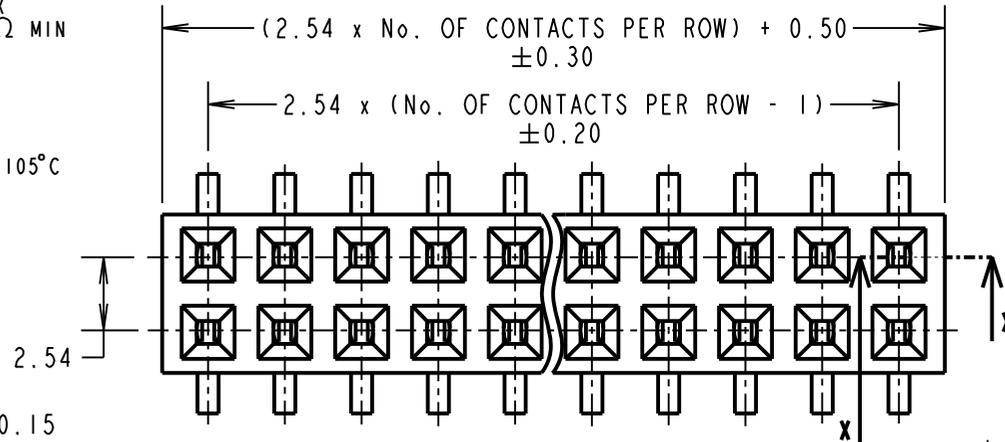
**ENVIRONMENTAL:**  
 TEMPERATURE RANGE = -40°C TO +105°C

**PACKING:**  
 TUBE  
 FOR COMPLETE SPECIFICATION, SEE  
 COMPONENT SPECIFICATION C001XX  
 (LATEST ISSUE)

2.54 x (No. OF CONTACTS PER ROW - 1)



RECOMMENDED PCB LAYOUT  
 (TOLERANCE = ±0.05)



1.53±0.25  
 CONTACT POINT

PART  
 SECTION  
 X-X

ORDER CODE:

**M20-785XXXX**

No. OF CONTACTS PER ROW: \_\_\_\_\_  
 02 TO 20, 30

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

MGP	11	31.10.18	21606
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SB			
DRAWN: J. EVANS			
CUSTOMER REF.:			
ASSEMBLY DRG:			

**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 DIL PC TAIL  
 DUAL ENTRY SOCKET ASSY

**DRAWING NUMBER:**  
**M20-785XXXX**

SHT  
 2 OF 2

# Mouser Electronics

Authorized Distributor

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

## Harwin:

[M20-7850242](#) [M20-7850246](#) [M20-7850342](#) [M20-7850346](#) [M20-7850442](#) [M20-7850446](#) [M20-7850542](#) [M20-7850546](#) [M20-7850642](#) [M20-7850646](#) [M20-7850742](#) [M20-7850746](#) [M20-7850842](#) [M20-7850846](#) [M20-7850942](#) [M20-7850946](#) [M20-7851042](#) [M20-7851142](#) [M20-7851146](#) [M20-7851242](#) [M20-7851246](#) [M20-7851342](#) [M20-7851346](#) [M20-7851442](#) [M20-7851446](#) [M20-7851542](#) [M20-7851546](#) [M20-7851642](#) [M20-7851646](#) [M20-7851742](#) [M20-7851746](#) [M20-7851842](#) [M20-7851846](#) [M20-7851942](#) [M20-7851946](#) [M20-7852042](#) [M20-7852046](#) [M20-7853042](#) [M20-7853046](#) [M20-7851046](#)