

# Customer Information Sheet

DRAWING No.: M80-5T1XXXXM3

SHT 2 OF 2

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

**SPECIFICATIONS:**

**MATERIAL:**

MOULDING = GLASS-FILLED PPS,  
UL94V-0, BLACK

CONTACT = PHOSPHOR BRONZE  
JACKSCREW = STAINLESS STEEL

**FINISH (CONTACTS):**

05 = 0.75 $\mu$  GOLD ALL OVER

22 = 0.75 $\mu$  GOLD ON CONTACT AREA,  
3 $\mu$  TIN/LEAD ON TAILS

42 = 0.75 $\mu$  GOLD ON CONTACT AREA,  
3 $\mu$  100% TIN OVER NICKEL ON TAILS

**ELECTRICAL:**

CURRENT RATING AT 25°C = 3.0A MAX

CURRENT RATING AT 85°C = 2.2A MAX

WORKING VOLTAGE = 800V AC/DC

VOLTAGE PROOF = 1200V AC/DC

CONTACT RESISTANCE = 25 m $\Omega$  MAX

INSULATION RESISTANCE = 100 M $\Omega$  MIN

**MECHANICAL:**

DURABILITY = 500 OPERATIONS

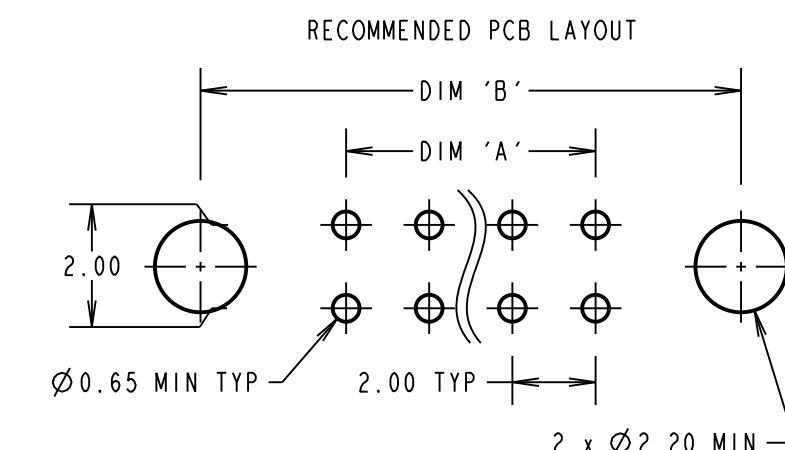
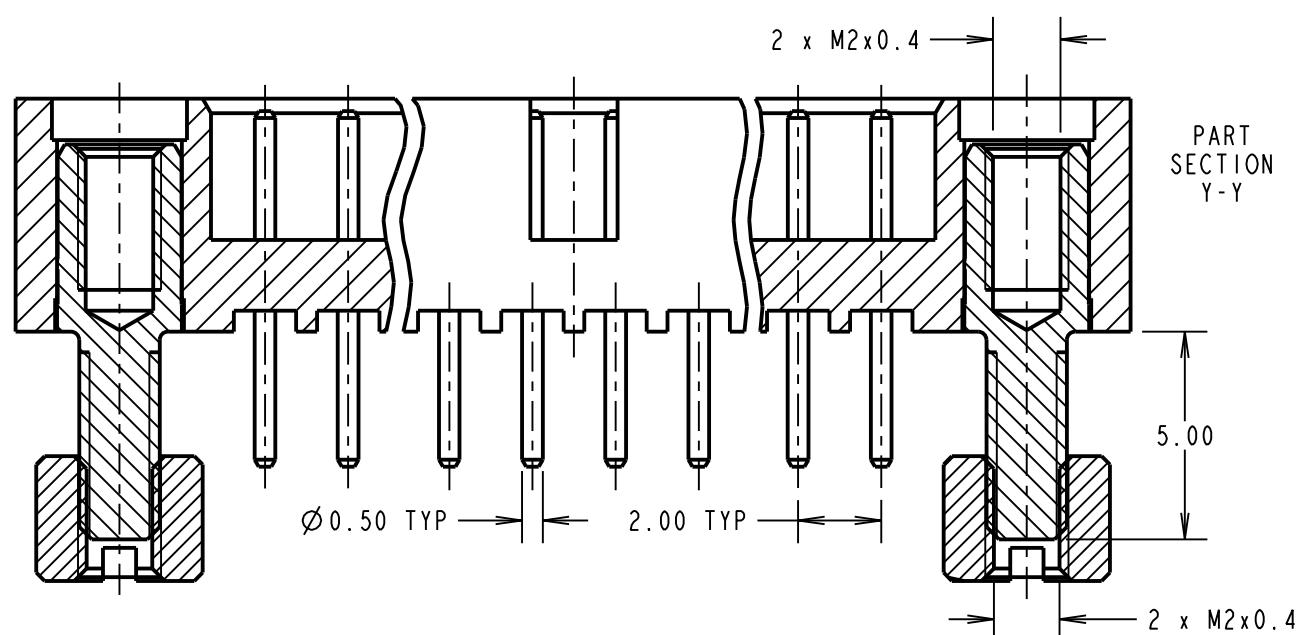
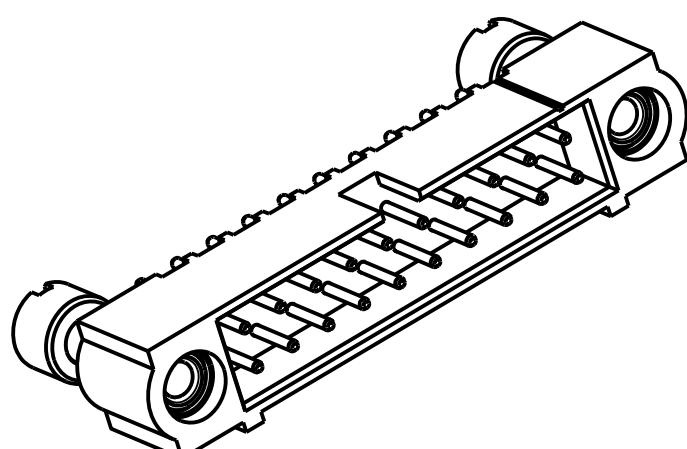
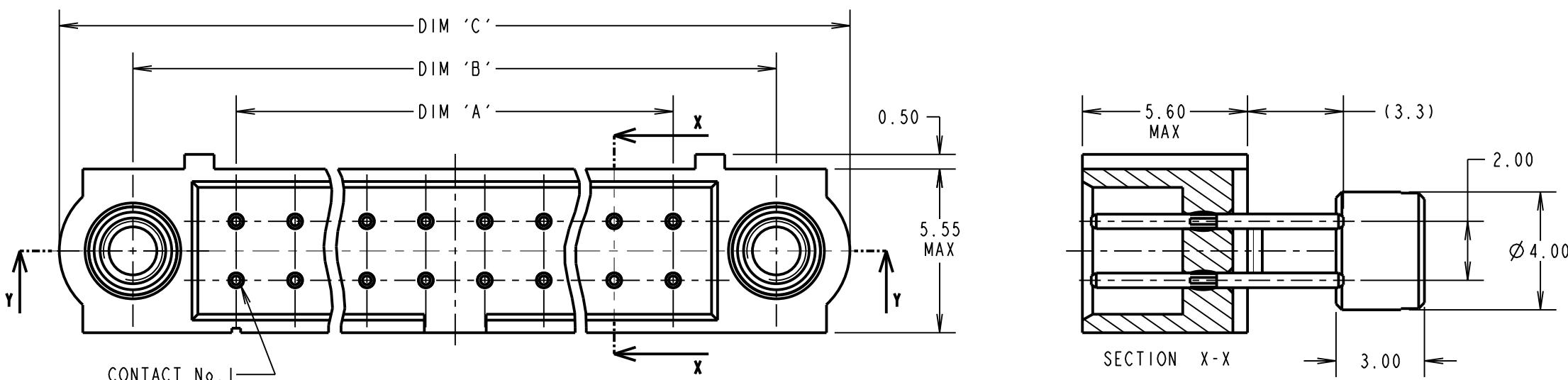
**ENVIRONMENTAL:**

TEMPERATURE RANGE = -55°C TO +125°C

**PACKING:**

TUBE

FOR COMPLETE SPECIFICATION, SEE COMPONENT  
SPECIFICATION C005XX (LATEST ISSUE)



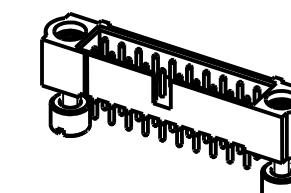
DIMENSION	CALCULATION
DIM 'A'	TOTAL No. OF CONTACTS - 2
DIM 'B'	TOTAL No. OF CONTACTS + 5
DIM 'C'	TOTAL No. OF CONTACTS + 10
EXAMPLE: CONNECTOR WITH 20 CONTACTS, GOLD ON CONTACT AREA AND 100% TIN OVER NICKEL ON TAIL, M80-5T12042M3	
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm	

ORDER CODE:  
**M80-5T1XXXXM3**

TOTAL No. OF CONTACTS  
04 TO 50  
(EVEN NUMBERS ONLY)

FINISH

05 - ALL OVER GOLD  
22 - GOLD ON CONTACT AREA / TIN/LEAD ON TAIL  
42 - GOLD ON CONTACT AREA / 100% TIN OVER NICKEL ON TAIL



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TOLERANCES

X. =  $\pm$ 1mm  
X.X =  $\pm$ 0.25mm  
X.XX =  $\pm$ 0.10mm  
X.XXX =  $\pm$ 0.01mm  
ANGLES =  $\pm$ 5°  
UNLESS STATED

SEE ABOVE

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

TITLE: DATAMATE J-TEK DIL VERT  
3mm PC-TAIL MALE ASSEMBLY  
WITH 5mm BOARD MOUNT  
DRAWING NUMBER:  
**M80-5T1XXXXM3**

SHT  
2  
OF  
2

# Mouser Electronics

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