

# Customer Information Sheet

DRAWING No.: M80-500XXX

SHEET 2 OF 2

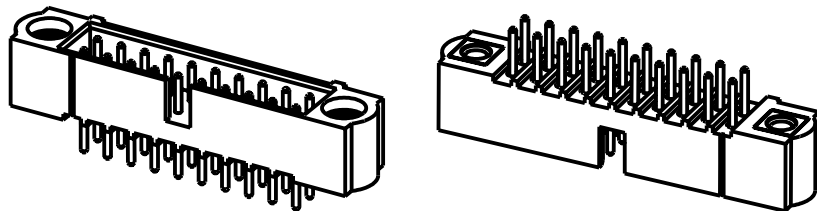
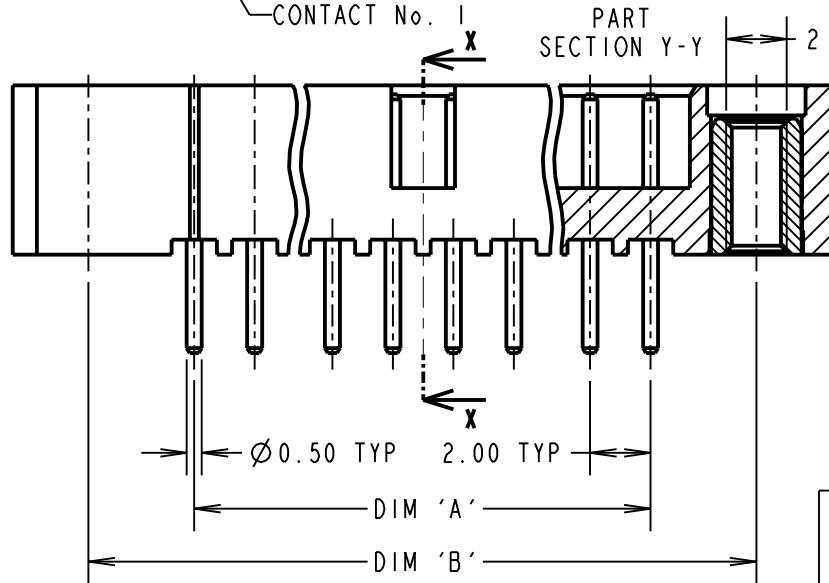
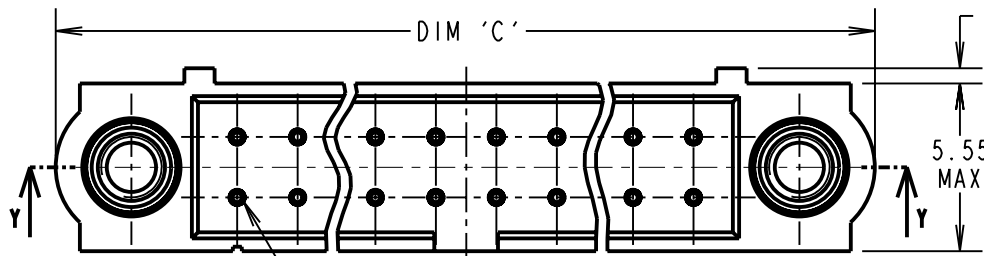
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



ORDER CODE:

**M80-500XXX**

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

FINISH  
05 - 100% GOLD  
22 - SELECTIVE GOLD + TIN/LEAD  
42 - SELECTIVE GOLD + 100% TIN OVER NICKEL

SPECIFICATIONS:

MATERIAL:

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

CONTACT = PHOSPHOR BRONZE

JACKSCREW = STAINLESS STEEL

FINISH:

05 CONTACT = 0.25-0.3µ ALL OVER GOLD

22 CONTACT = 0.75µ GOLD ON CONTACT AREA,  
3µ 90/10 TIN/LEAD ON TAILS

42 CONTACT = 0.75µ GOLD ON CONTACT AREA,  
3µ 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 = 120V AC/DC

VOLTAGE PROOF = 360V AC/DC

CONTACT RESISTANCE = 25 mΩ MAX

INSULATION RESISTANCE = 100 MΩ MIN

MECHANICAL:

DURABILITY = 500 OPERATIONS

ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

TUBE

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

NOTES:

1. RECOMMENDED PCB HOLE  
SIZE = Ø0.65mm MIN.

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, M80-5002042.	
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm	

CP	1	01.09.10	10870
NAME	ISS.	DATE	C/NOTE
APPROVED: C.PENROSE			
CHECKED: R.ADDE			
DRAWN: W. J. BOURNE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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TOLERANCES  
X. = ±1mm  
X.X = ±0.25mm  
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: JACKSCREW DATAMATE  
DIL VERTICAL PC TAIL  
MALE ASSEMBLY  
DRAWING NUMBER:  
**M80-500XXX**

SHT  
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