

Customer Information Sheet

DRAWING No.: M80-501XXXX

SHEET 2 OF 2

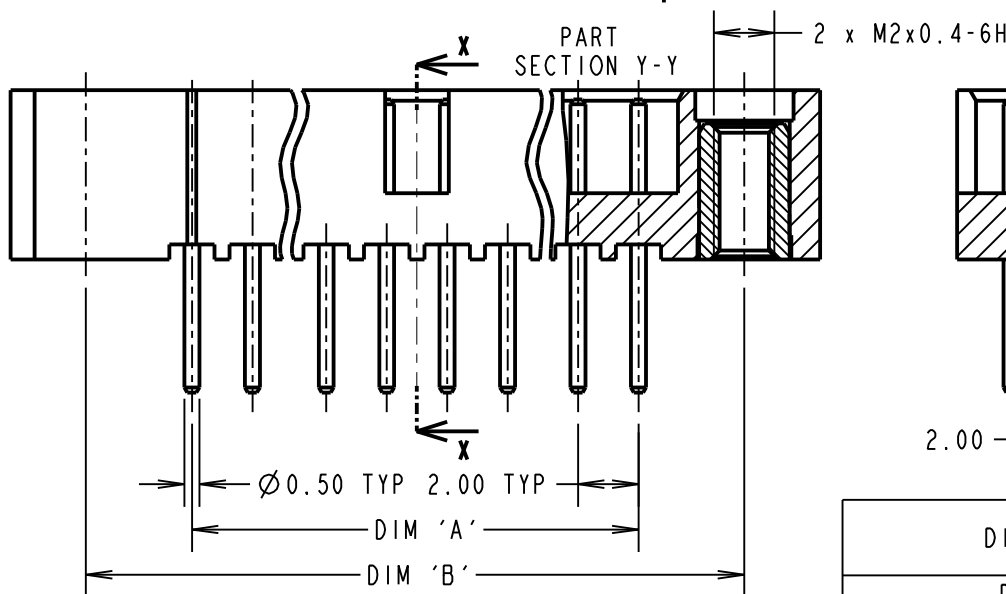
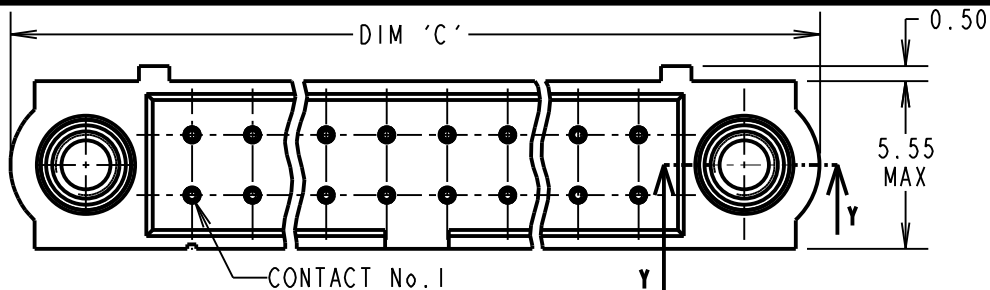
IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



ORDER CODE:
M80-501XXXX

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

FINISH _____

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

SPECIFICATIONS:

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

CONTACT = PHOSPHOR BRONZE
 JACKSCREW = STAINLESS STEEL

FINISH (CONTACTS):
 22 = 0.75µm GOLD ON CONTACT AREA, 3µm 90/10 TIN/LEAD ON TAILS
 42 = 0.75µm GOLD ON CONTACT AREA, 3µm 100% TIN ON TAILS
 05 = 0.75µm ALL OVER GOLD

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 = 25mΩ MAX
 INSULATION RESISTANCE = 100MΩ MIN

MECHANICAL:
 DURABILITY = 500 OPERATIONS

ENVIRONMENTAL:
 TEMPERATURE RANGE = -55°C TO +125°C

PACKING: TUBE
 FOR COMPLETE SPECIFICATION, SEE COMPONENT SPEC C005XX (LATEST ISSUE)

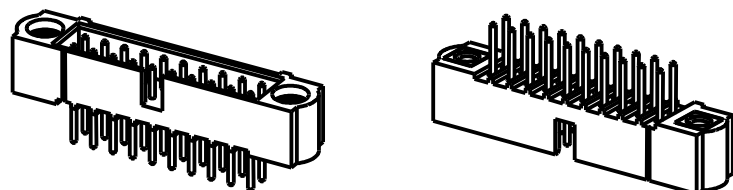
NOTES:
 1. RECOMMENDED PCB HOLE SIZE = $\varnothing 0.70\text{mm} \pm 0.05$.

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 ON TAIL, M80-5012042.

DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm

MSP	2	18.08.15	13052
NAME	ISS.	DATE	C/NOTE
APPROVED: M.PERREN			
CHECKED: M.PLESTED			
DRAWN: W. J. BOURNE			
CUSTOMER REF.:			
ASSEMBLY DRG:			



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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:
 mm²

TITLE: JACKSCREW DATAMATE
 DIL VERTICAL PC TAIL (4.5mm)
 MALE ASSEMBLY

DRAWING NUMBER:
M80-501XXXX

SHT
 2 OF 2

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