

# Customer Information Sheet

DRAWING No.: M80-501XXXX

SHEET 2 OF 2

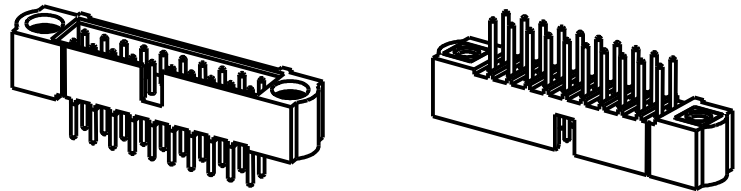
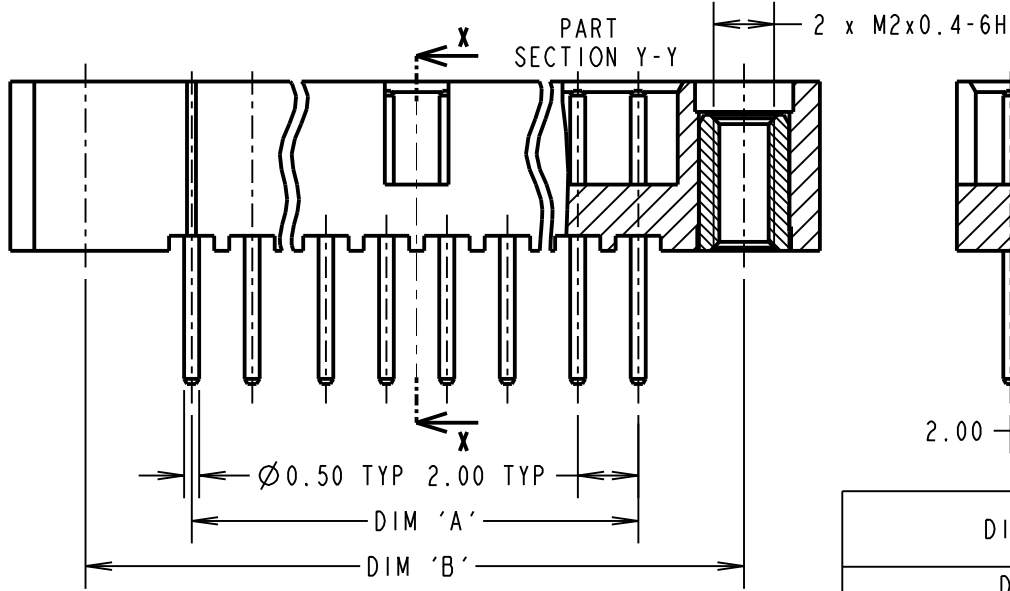
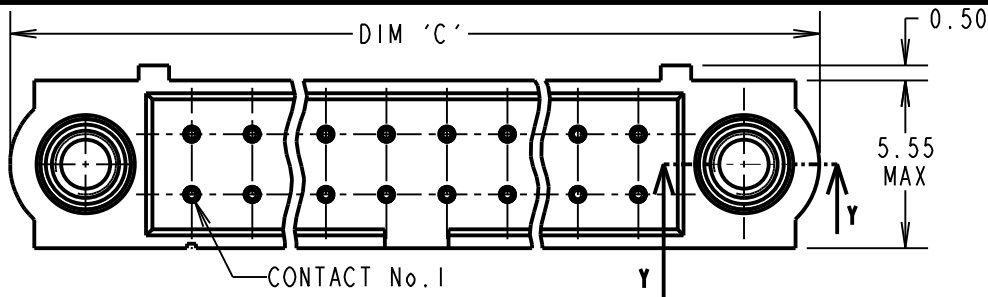
IF IN DOUBT - ASK

©

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 = 0.75µ GOLD ON CONTACT AREA,  
 3µ 90/10 TIN/LEAD ON TAILS  
 42 = 0.75µ GOLD ON CONTACT AREA,  
 3µ 100% TIN ON TAILS  
 05 = 0.75µ 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 = Ø0.70mm±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:			

## HARWIN

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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:  
 mm<sup>2</sup>

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

DRAWING NUMBER:  
**M80-501XXXX**

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