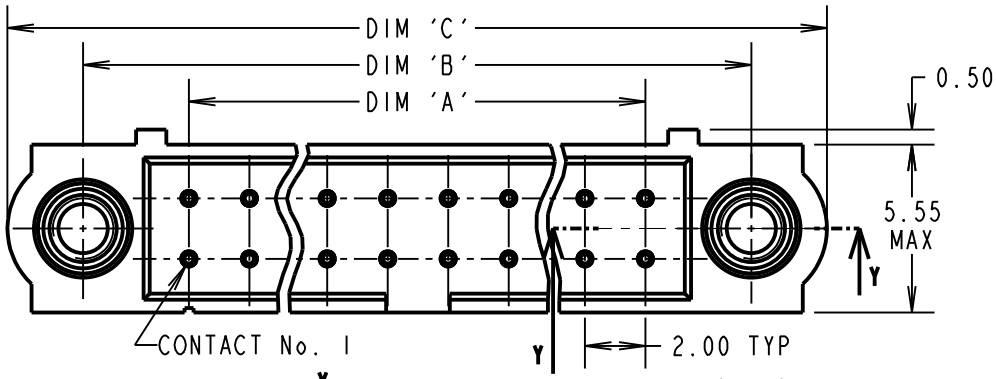
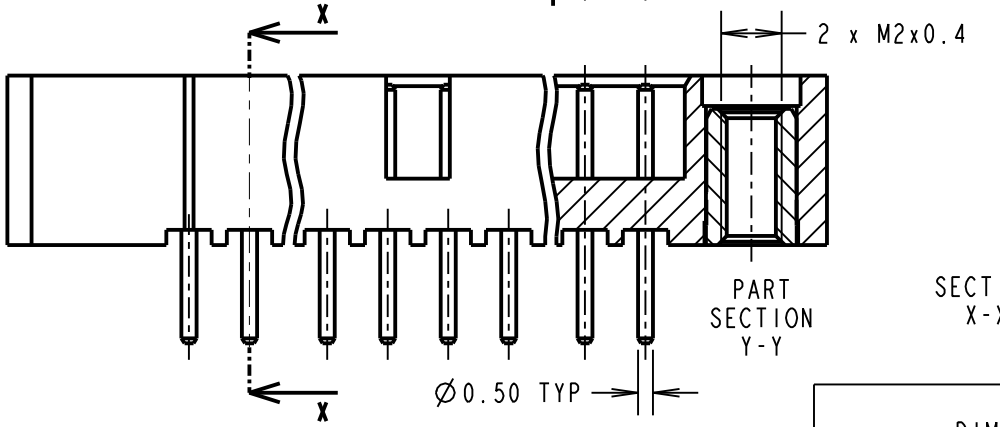
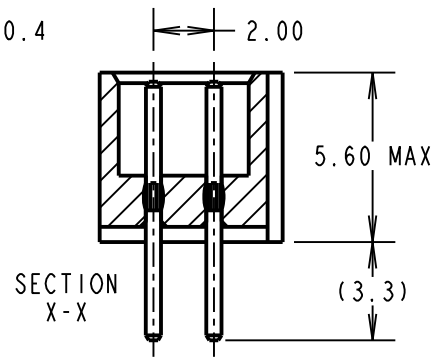
Customer Information Sheet

DRAWING No.: M80-500XXXX	SHEET 2 OF 2	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm







ORDER CODE:

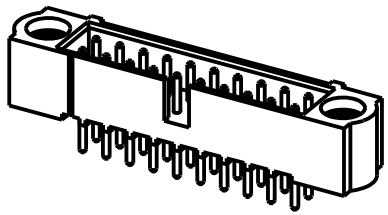
M80-500XXXX

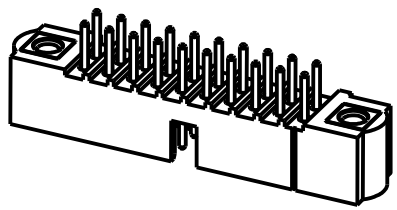
No. OF CONTACTS
04 TO 50
(EVEN NUMBERS ONLY)

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

SPECIFICATIONS:
MATERIAL:
MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK
CONTACT = PHOSPHOR BRONZE
JACKSCREW = STAINLESS STEEL
FINISH: (ALL OVER NICKEL)
05 = 0.75µm ALL OVER GOLD
22 = 0.75µm GOLD ON CONTACT AREA, 3µm 90/10 TIN/LEAD ON TAILS
42 = 0.75µ GOLD ON CONTACT AREA, 3µm 100% TIN 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 = 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 SPECIFICATION C005XX (LATEST ISSUE)

NOTES:
1. RECOMMENDED PCB HOLE SIZE = Ø0.70mm±0.05





DIMENSION	CALCULATION
DIM 'A'	TOTAL No. OF CONTACTS - 2.00
DIM 'B'	TOTAL No. OF CONTACTS + 5.00
DIM 'C'	TOTAL No. OF CONTACTS + 10.0

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' = 30.0mm

MGP	3	16.08.18	21475
NAME	ISS.	DATE	C/NOTE

APPROVED: MGP
CHECKED: SB
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: mm²

TITLE: JACKSCREW DATAMATE DIL VERTICAL PC TAIL MALE ASSEMBLY

DRAWING NUMBER: **M80-500XXXX**

SHT 2 OF 2