

Customer Information Sheet

DRAWING No.: M80-513XXXXP

SHEET 2 OF 2

IF IN DOUBT - ASK

©

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
 PICK & PLACE CAP = PHOSPHOR BRONZE

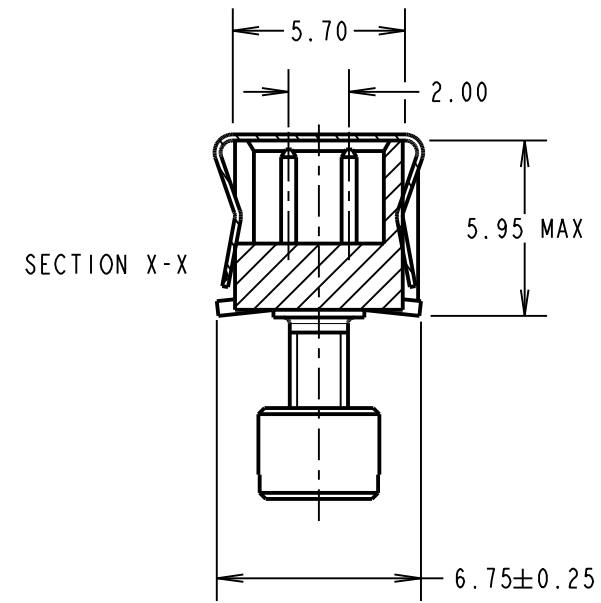
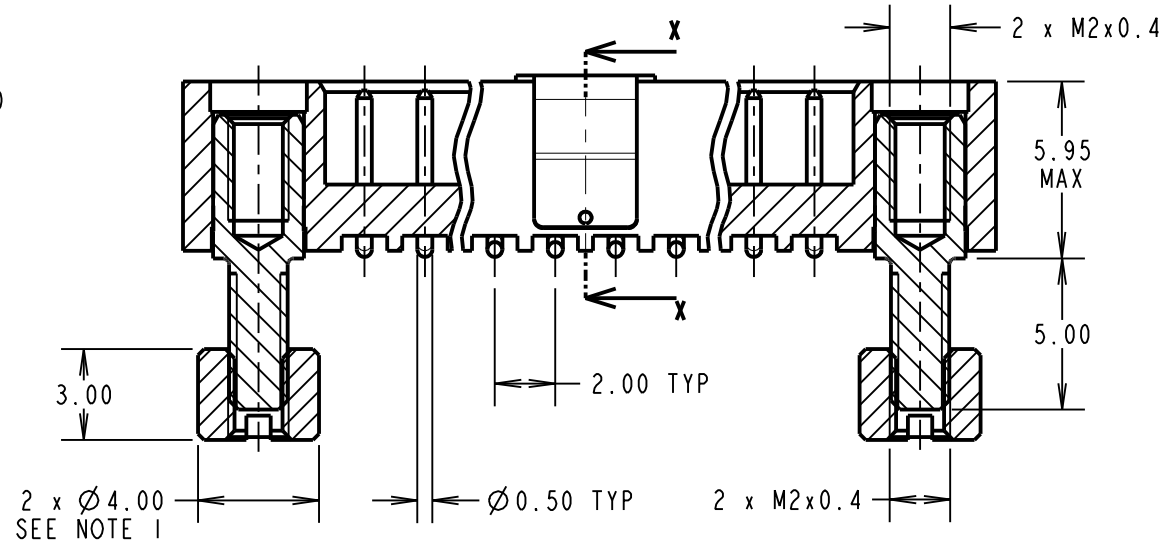
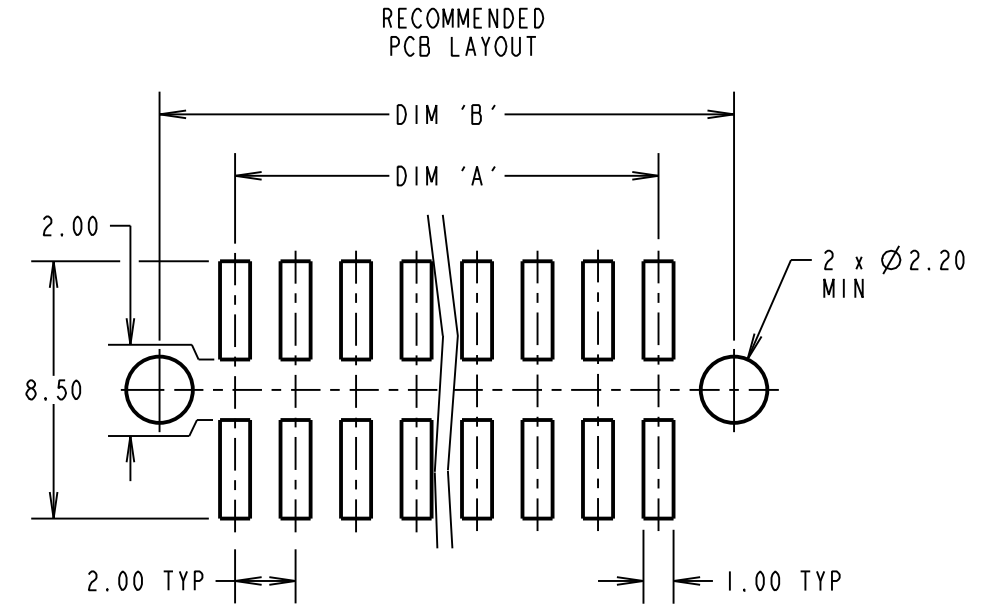
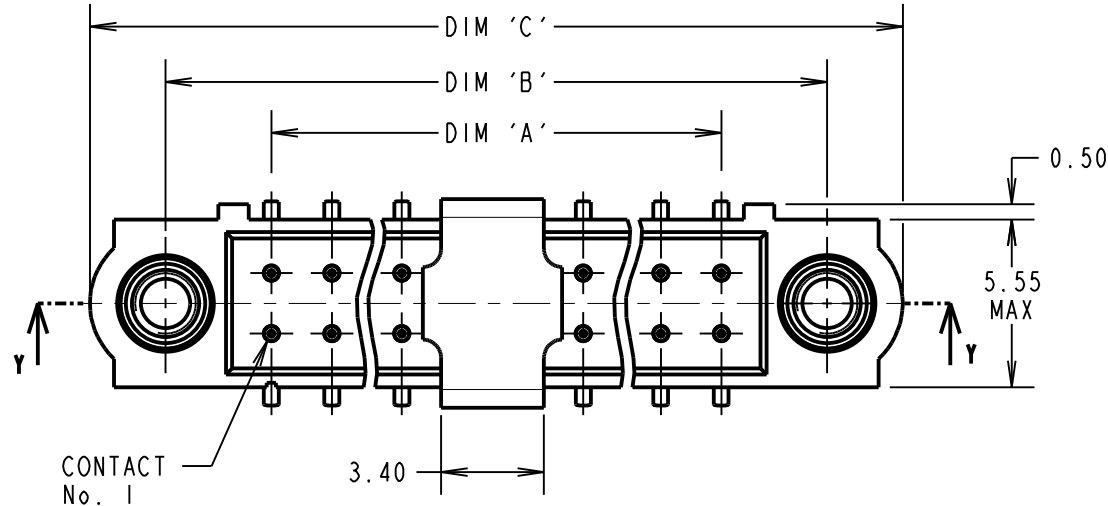
FINISH (CONTACTS):
 05 = 0.75µ GOLD
 22 = 0.75µ GOLD ON CONTACT AREA, 3µ 90/10 TIN/LEAD ON TAILS
 42 = 0.75µ GOLD ON CONTACT AREA, 3µ 100% TIN OVER NICKEL ON TAILS

ELECTRICAL:
 CURRENT RATING AT 25°C = 3.0A MAX
 CURRENT RATING AT 85°C = 2.2A MAX
 WORKING VOLTAGE = 800V AC/DC
 VOLTAGE PROOF = 1200V 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 WITH FIXINGS IN ATTACHED BAG FOR COMPLETE SPECIFICATION, SEE COMPONENT SPEC. C005XX (LATEST ISSUE)



PART SECTION Y-Y

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, M80-5132042P	
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm	

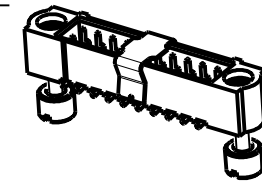
NOTES:
 1. CONNECTOR IS SUPPLIED WITH BOARD MOUNT NUTS NOT ASSEMBLED AS SHOWN. SUPPLIED LOOSE IN BAG ATTACHED TO PACKING TUBE.

ORDER CODE:

M80-513XXXXP

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

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



MSP	7	04.04.16	13302
NAME	ISS.	DATE	C/NOTE
APPROVED:			
CHECKED:			
DRAWN: B. M. KENT			
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: DATAMATE J-TEK MALE VERTICAL SMT ASSY WITH P/PLACE AND 5mm BOARD MOUNT

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