

Customer Information Sheet

DRAWING No.: M80-513XXXXP

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 = GLASS-FILLED PA46
 UL94V-0, NATURAL

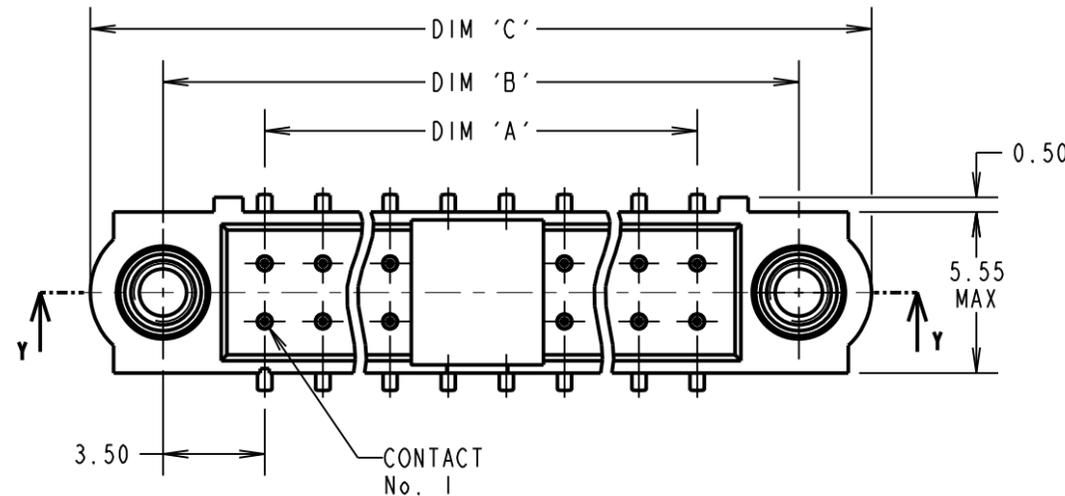
FINISH: (ALL OVER NICKEL)
 05 = 0.75µm GOLD
 22 = 0.75µm GOLD ON CONTACT AREA,
 3µm 90/10 TIN/LEAD ON TAILS
 42 = 0.75µm GOLD ON CONTACT AREA,
 3µm 100% TIN ON TAILS

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

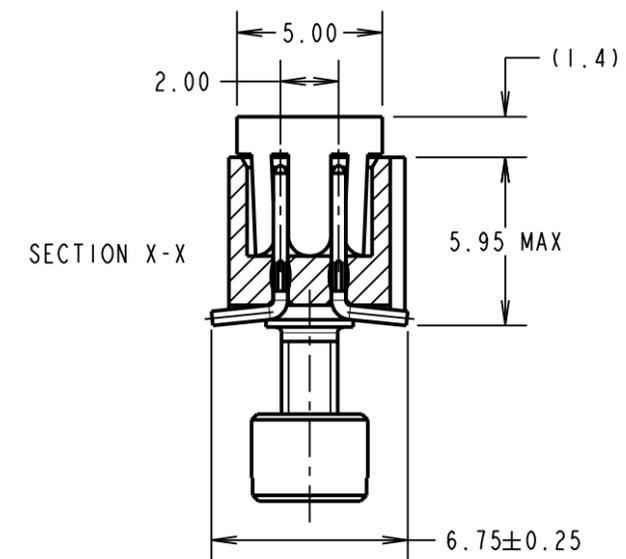
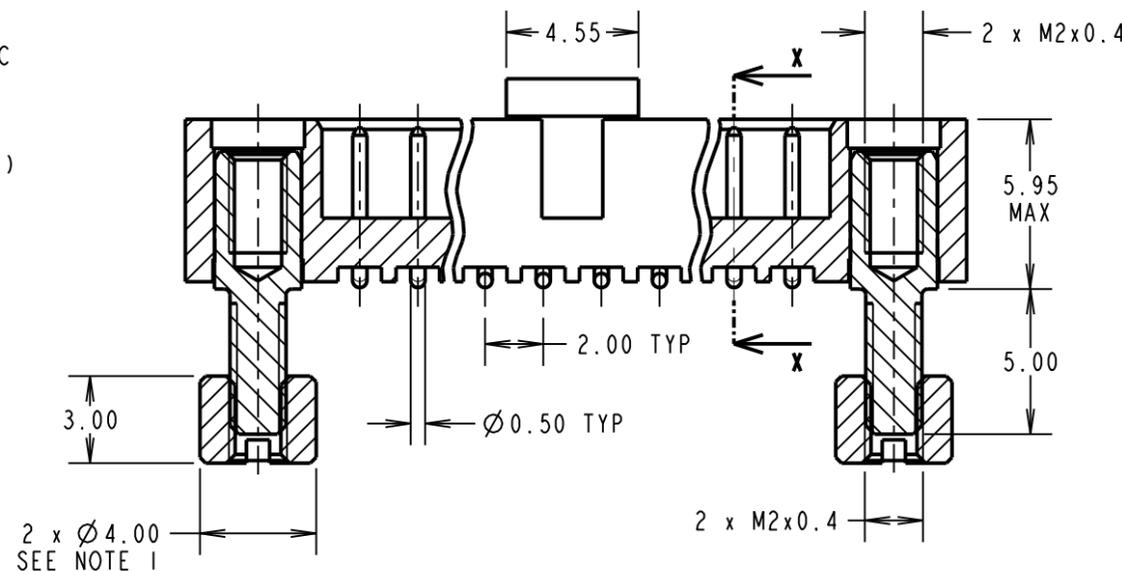
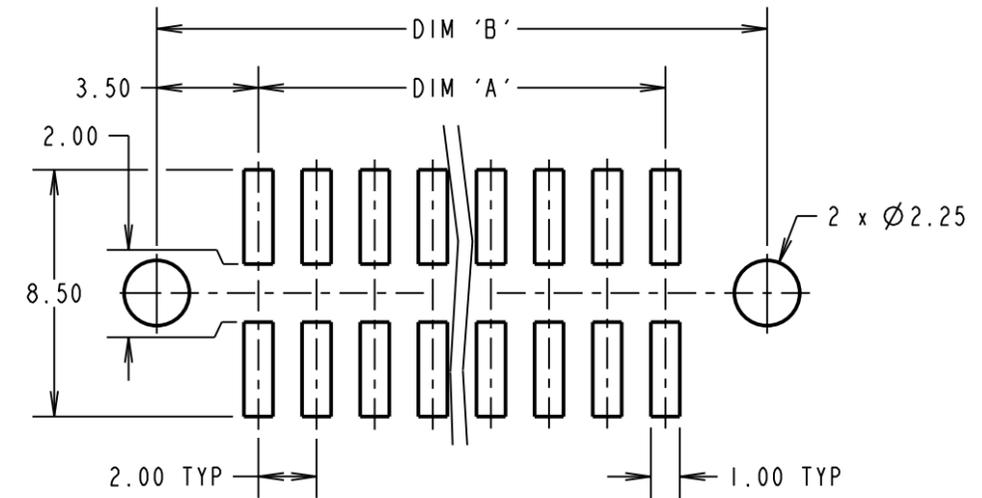
MECHANICAL:
 DURABILITY = 500 OPERATIONS

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

PACKING:
 TUBE WITH FIXINGS IN ATTACHED BAG
 FOR COMPLETE SPECIFICATION, SEE
 COMPONENT SPEC. C005XX (LATEST ISSUE)



RECOMMENDED PCB LAYOUT
 TOLERANCE = ±0.05mm



PART SECTION Y-Y

NOTES:

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

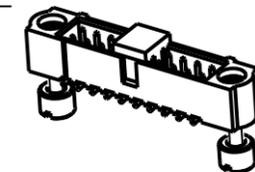
ORDER CODE:

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



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 ON TAIL, M80-5132042P

DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.0mm

MGP	8	10.01.20	22085
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SB			
DRAWN: B. M. KENT			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

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TOLERANCES
 X. = ±1mm
 X.X = ±0.50mm
 X.XX = ±0.20mm
 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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