

Customer Information Sheet

DRAWING No.: M80-5S1XXXXMC

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
10ILOK RETAINER = STAINLESS STEEL
FINISH (CONTACTS):
NICKEL ALL OVER CONTACTS
22 = 0.75µm GOLD ON CONTACT AREA,
3µm 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

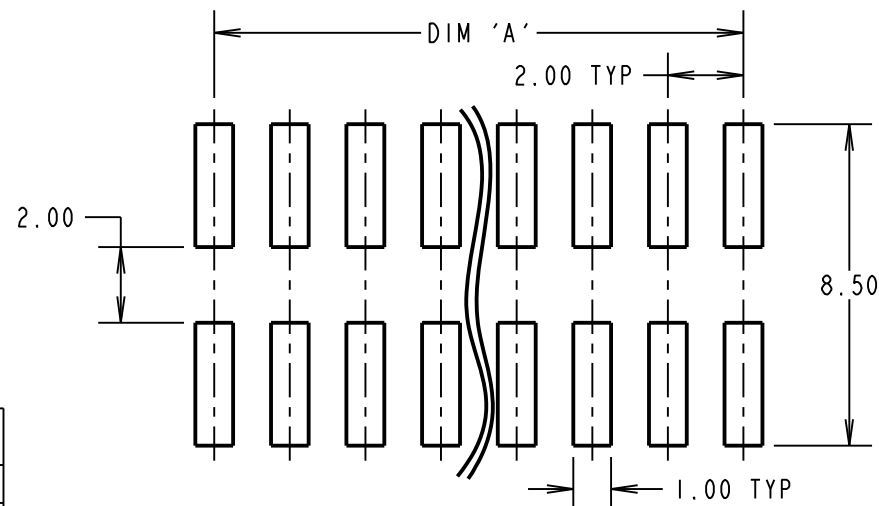
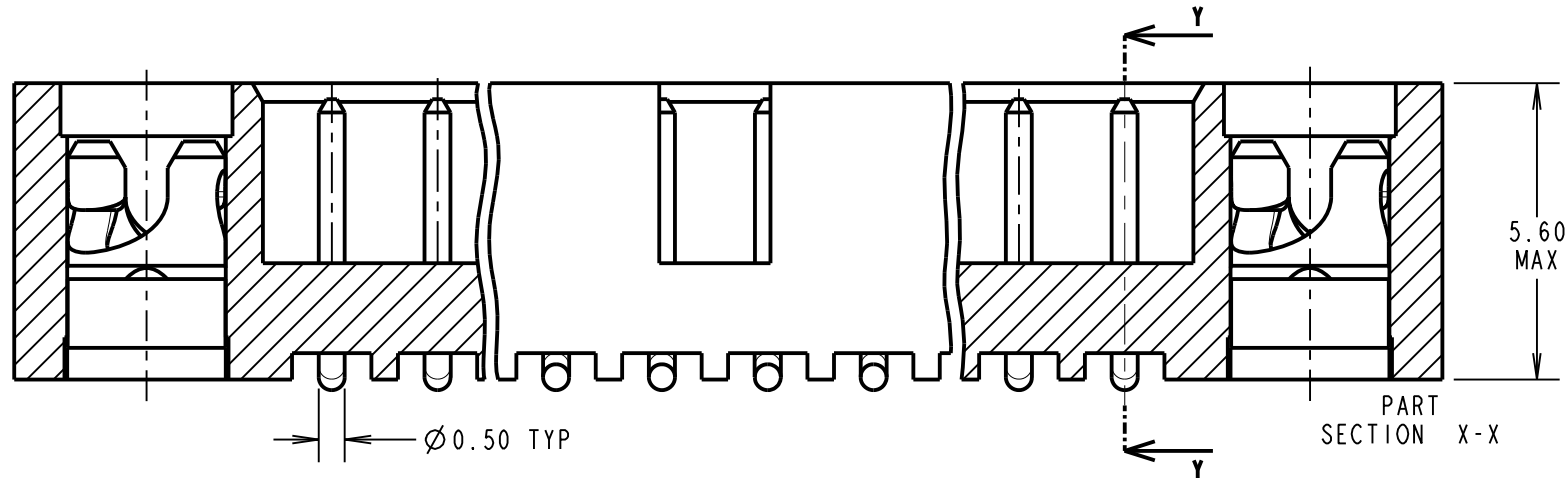
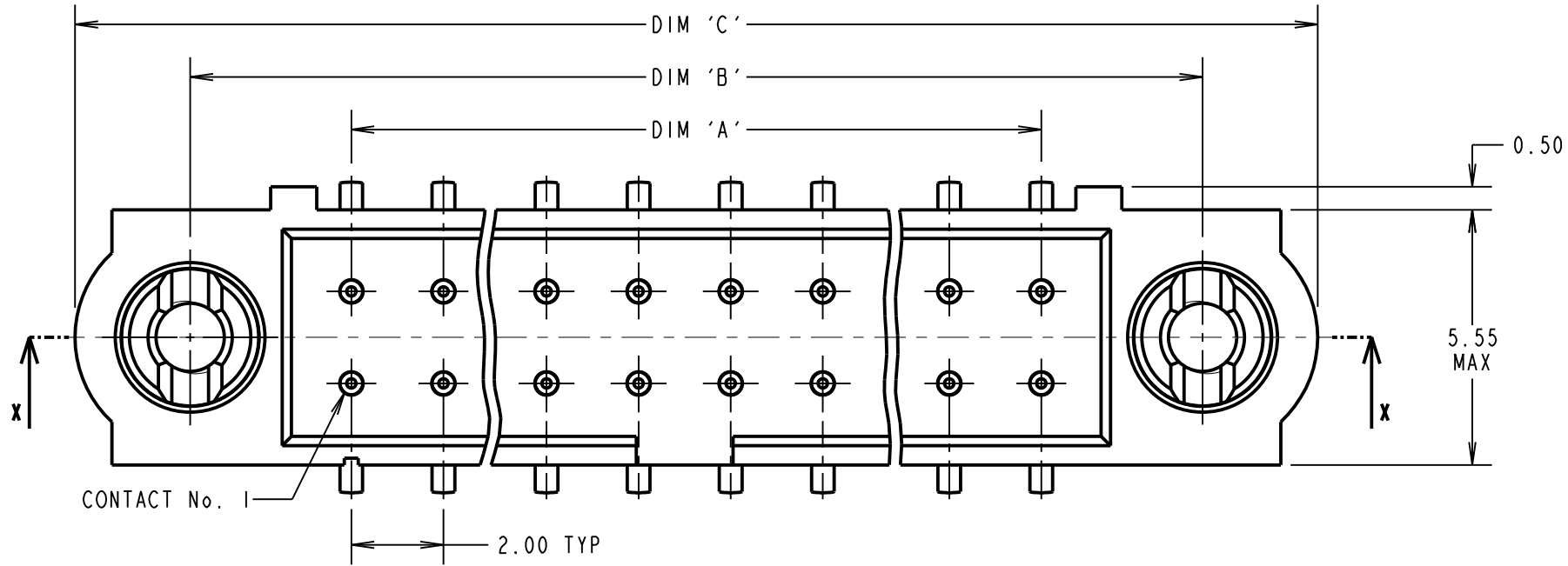
ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

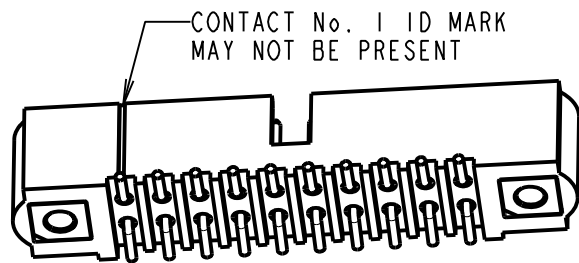
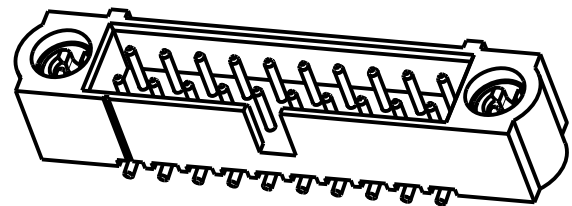
PACKING:

TUBE

FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)



RECOMMENDED PCB LAYOUT



CONTACT No. 1 ID MARK
MAY NOT BE PRESENT

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 ORDER CODE: CONNECTOR WITH 20 CONTACTS,
GOLD ON CONTACT AREA AND 100% TIN OVER NICKEL ON TAIL

M80-5S12042MC

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

ORDER CODE: **M80-5S1XXXXMC**

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

FINISH CODE
22 - GOLD ON CONTACT AREA / TIN/LEAD ON TAIL
42 - GOLD ON CONTACT AREA / 100% TIN OVER
NICKEL ON TAIL

MGP	5	04.09.18	21494
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SB			
DRAWN: R. ADDE			
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 DIL
VERT SMT MALE
ASSY WITH IOILOK RETAINERS

DRAWING NUMBER:
M80-5S1XXXXMC

SHT
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