

Customer Information Sheet

DRAWING No.: M80-853XXXX

IF IN DOUBT - ASK



NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

ORDER CODE:

M80-853XXXX

TOTAL No. OF CONTACTS:

04, 06, 08, 10, 12, 14, 16,
18, 20, 26, 34, 44

FINISH:

22 = SELECTIVE GOLD + TIN/LEAD
45 = GOLD
42 = SELECTIVE GOLD / 100% TIN

SPECIFICATIONS:

MATERIAL:
MOULDING = GLASS-FILLED PPS UL94V-0, BLACK
CONTACTS = PHOSPHOR BRONZE
LATCHES = BERYLLIUM COPPER

FINISH:

CONTACTS:
22 = 0.75µm GOLD ON CONTACT AREA,
3µm 90/10 TIN/LEAD ON TAILS
45 = 0.75µm GOLD
42 = 0.75µm GOLD ON CONTACT AREA,
3.0µm 100% TIN OVER NICKEL ON TAILS

LATCH = 1.25µm NICKEL

ELECTRICAL:

CURRENT RATING (25°C) = 3.0A MAX.
CURRENT RATING (85°C) = 2.2A MAX.
WORKING VOLTAGE = 800V AC/DC
VOLTAGE PROOF = 1200 AC/DC
CONTACT RESISTANCE (INITIAL) = 20 mΩ MAX.
CONTACT RESISTANCE (AFTER CONDITIONING) = 25 mΩ MAX.
INSULATION RESISTANCE (INITIAL) = 1000 MΩ MIN.
INSULATION RESISTANCE (AFTER CONDITIONING) = 100 MΩ MIN.

MECHANICAL:

DURABILITY = 500 OPERATIONS

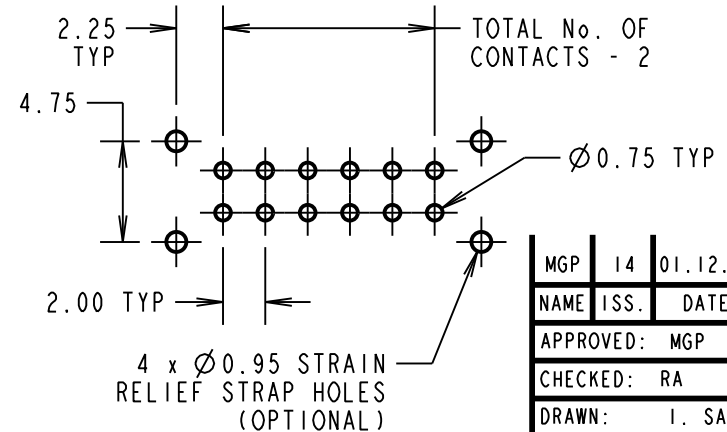
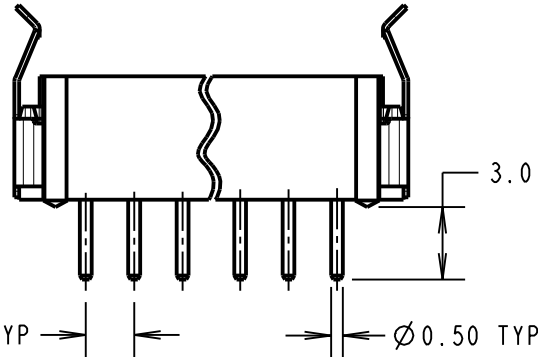
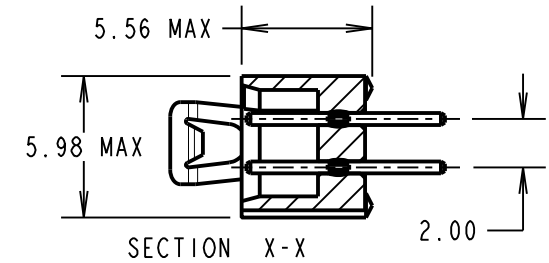
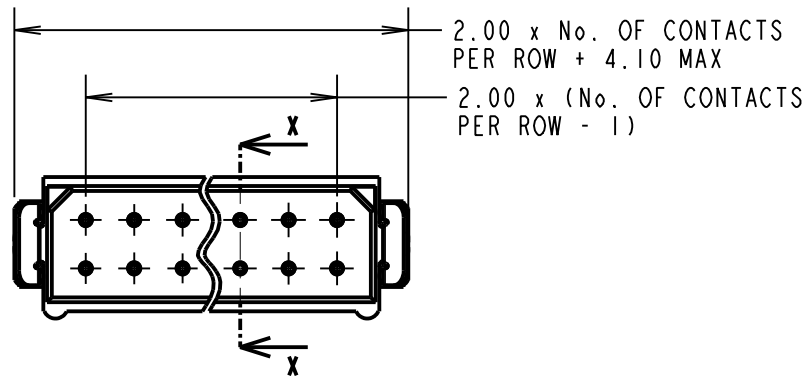
ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

TUBE

FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION
C005XXX (LATEST ISSUE)



NOTES:

- 2-OFF STRAIN RELIEF STRAPS
M80-0030006 MAY BE USED
WITH THIS CONNECTOR.

RECOMMENDED PCB LAYOUT
TOLERANCE ±0.05mm

MGP	14	01.12.21	31135
NAME	ISS.	DATE	CN/CO
APPROVED: MGP			
CHECKED: RA			
DRAWN: I. SANDY			
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 DIL
VERTICAL PC TAIL PLUG
ASSEMBLY - LATCHED (RoHS)

DRAWING NUMBER:
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SHT
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