

Customer Information Sheet

DRAWING No.: M80-5C10805M3-00-000-02-335

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIAL:

MOULDING: GLASS FILLED PPS, UL94V-0, BLACK

SIGNAL CONTACT: BRASS

POWER CONTACT:

BODY = COPPER ALLOY

LATCHING COLLAR = BERYLLIUM COPPER

JACKSCREW & NUT: STAINLESS STEEL

FINISH:

SIGNAL CONTACT: 0.25-0.30µm GOLD

POWER CONTACT:

BODY = GOLD

LATCHING COLLAR = NICKEL

ELECTRICAL:

WORKING VOLTAGE = 800V AC/DC

VOLTAGE PROOF = 1200V AC/DC

INSULATION RESISTANCE = 100MΩ MIN

SIGNAL CONTACT:

CURRENT RATING AT 25°C = 3.0A MAX

CURRENT RATING AT 85°C = 2.2A MAX

CONTACT RESISTANCE = 25 mΩ MAX

POWER CONTACT:

CONTACT RESISTANCE 6 mΩ MAX

CURRENT RATING = 20A MAX WITH 12AWG

CONTACT AS SPECIFIED

MECHANICAL:

DURABILITY = 500 OPERATIONS

SIGNAL CONTACT:

INSERTION FORCE = 2.0N MAX

WITHDRAWAL FORCE = 0.2N MIN

POWER CONTACT:

INSERTION FORCE = 8N MAX

WITHDRAWAL FORCE = 0.5N MIN

ENVIRONMENTAL:

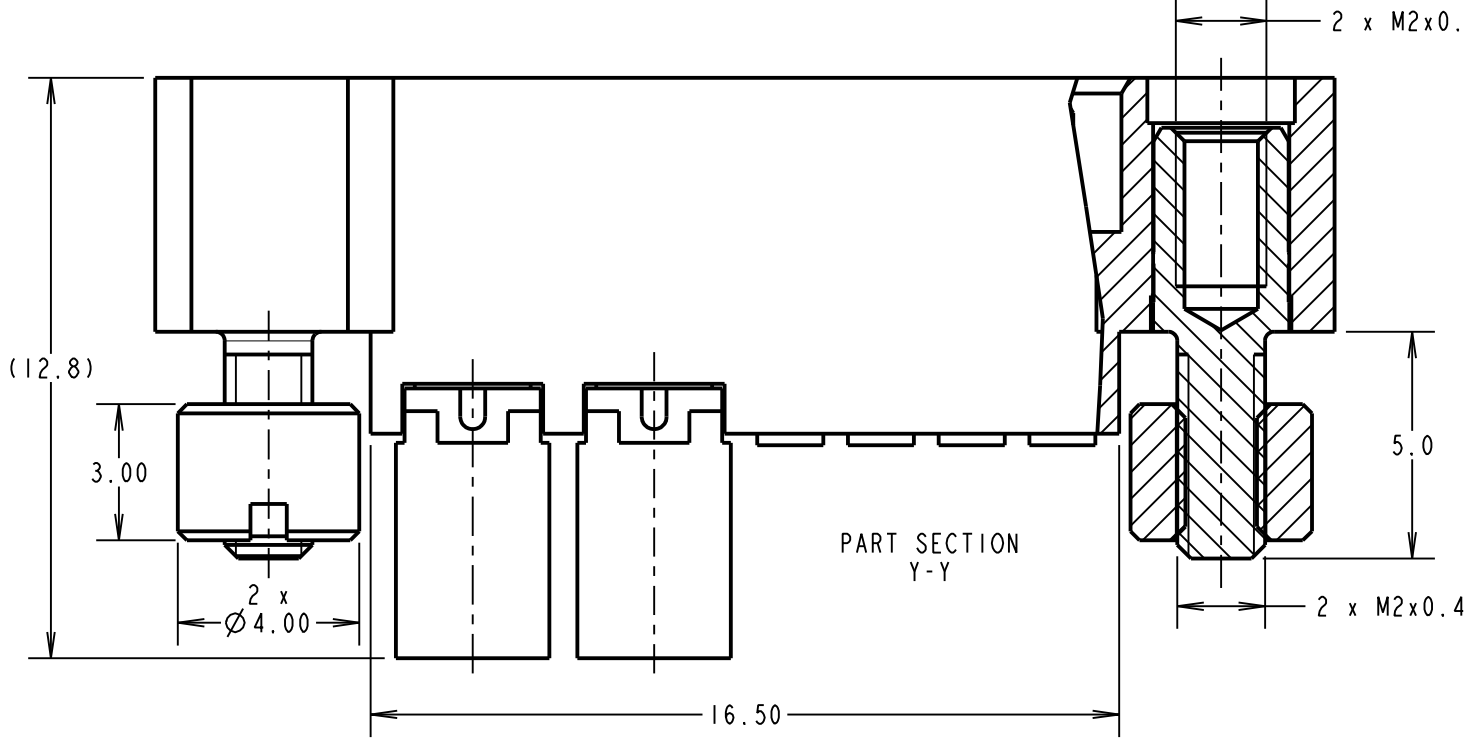
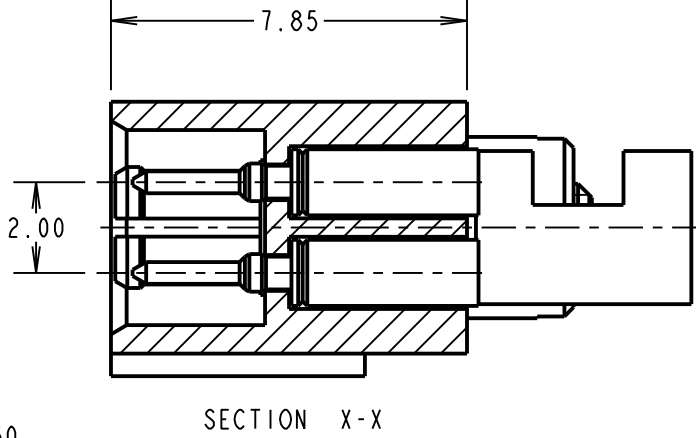
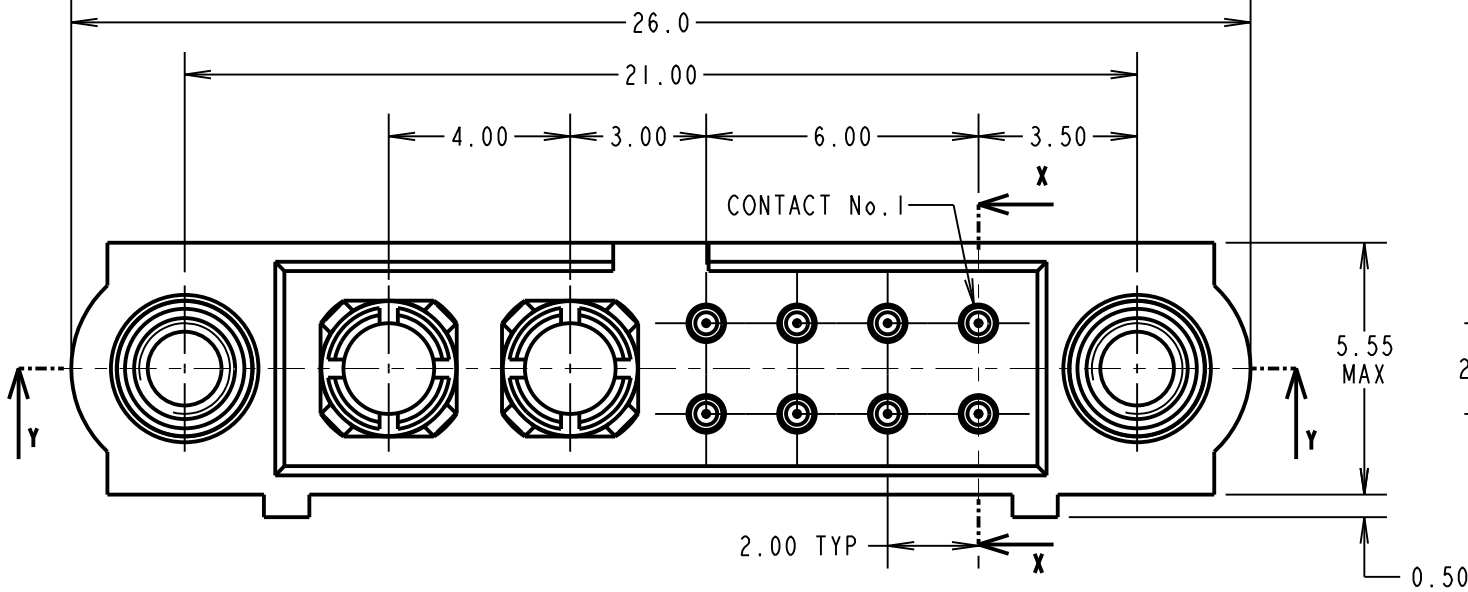
TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

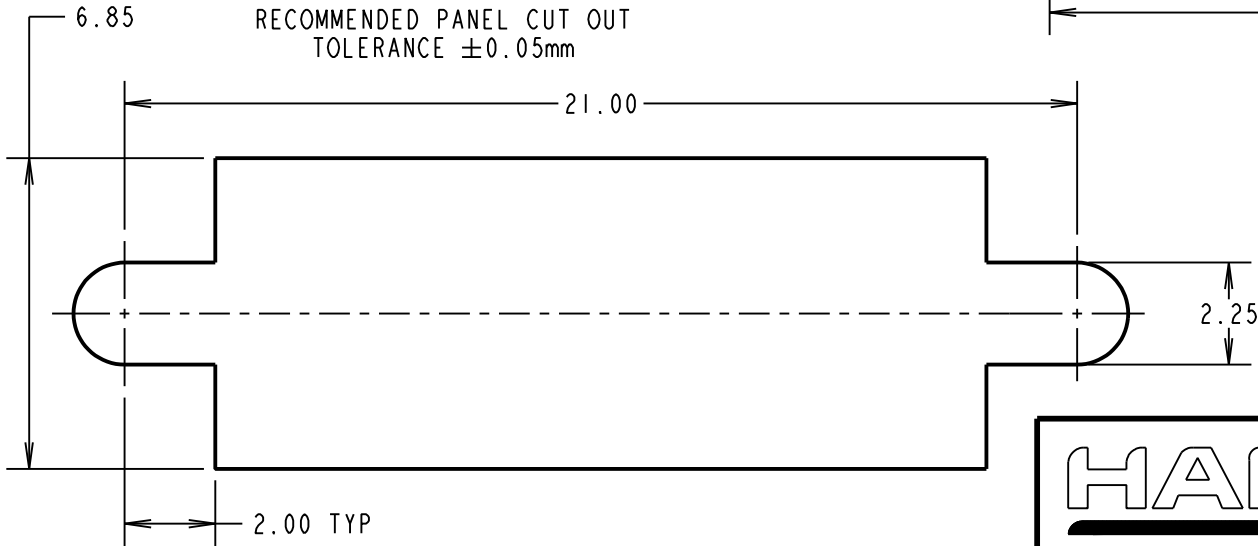
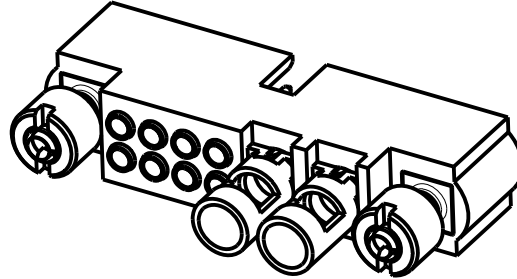
BAG

FOR COMPLETE SPECIFICATION SEE COMPONENT

SPECIFICATION C005XX (LATEST ISSUE)



COMPLETE ASSEMBLY - FOR ILLUSTRATION ONLY



NOTES:

- CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
- FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-1950005.
- RECOMMENDED SIGNAL WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 24-28 AWG. MAX INSULATION DIAMETER = Ø1.10mm. STRIP WIRE BY 2.00mm FOR CRIMPING. SEE CABLE SPEC. C049XX FOR ALTERNATIVE WIRE TYPES.
- RECOMMENDED HAND CRIMP TOOL FOR SIGNAL CONTACTS = M22520/2-01 WITH POSITIONER Z80-193.
- SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280.
- FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-335.
- POWER CONTACT WIRE, STRIP BY 5.00mm MINIMUM.
- POWER CONTACT EXTRACTION TOOL = Z80-290.
- INSTRUCTION SHEETS ARE AVAILABLE.

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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 MIX-TEK
CRIMP & SOLDER STRAIGHT
MALE ASSY WITH BOARD MOUNT

DRAWING NUMBER:

M80-5C10805M3-00-000-02-335

SHT

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MGP	I	30.01.21	-----
NAME	ISS.	DATE	CN/CO
APPROVED: MGP			
CHECKED: RA			
DRAWN: M. G. PLESTED			
CUSTOMER REF.:			
ASSEMBLY DRG:			