

Customer Information Sheet

DRAWING No.: M80-5C10405MI-04-336-00-000

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
SIGNAL CONTACT: COPPER ALLOY
POWER CONTACT:
BODY = COPPER ALLOY
LATCHING COLLAR = BERYLLIUM COPPER
JACKSCREW: STAINLESS STEEL

FINISH:

SIGNAL CONTACT: 0.25-0.30μ GOLD
POWER CONTACT:
BODY = GOLD
LATCHING COLLAR = NICKEL

ELECTRICAL:

WORKING VOLTAGE = 120V AC/DC
VOLTAGE PROOF = 360V AC/DC
INSULATION RESISTANCE = 100M Ω MIN
SIGNAL CONTACT:
CURRENT RATING AT 25°C = 3.0A MAX
CURRENT RATING AT 85°C = 2.2A MAX
CONTACT RESISTANCE = 25m Ω MAX
POWER CONTACT:
CONTACT RESISTANCE 6m Ω MAX
CURRENT RATING = 15A MAX WITH 14AWG
CONTACT AS SPECIFIED

MECHANICAL:

DURABILITY = 500 OPERATIONS
SIGNAL CONTACT:
INSERTION FORCE = 2.8N MAX
WITHDRAWAL FORCE = 0.2N MIN
POWER CONTACT:
INSERTION FORCE = 5N MAX
WITHDRAWAL FORCE = 0.5N MIN

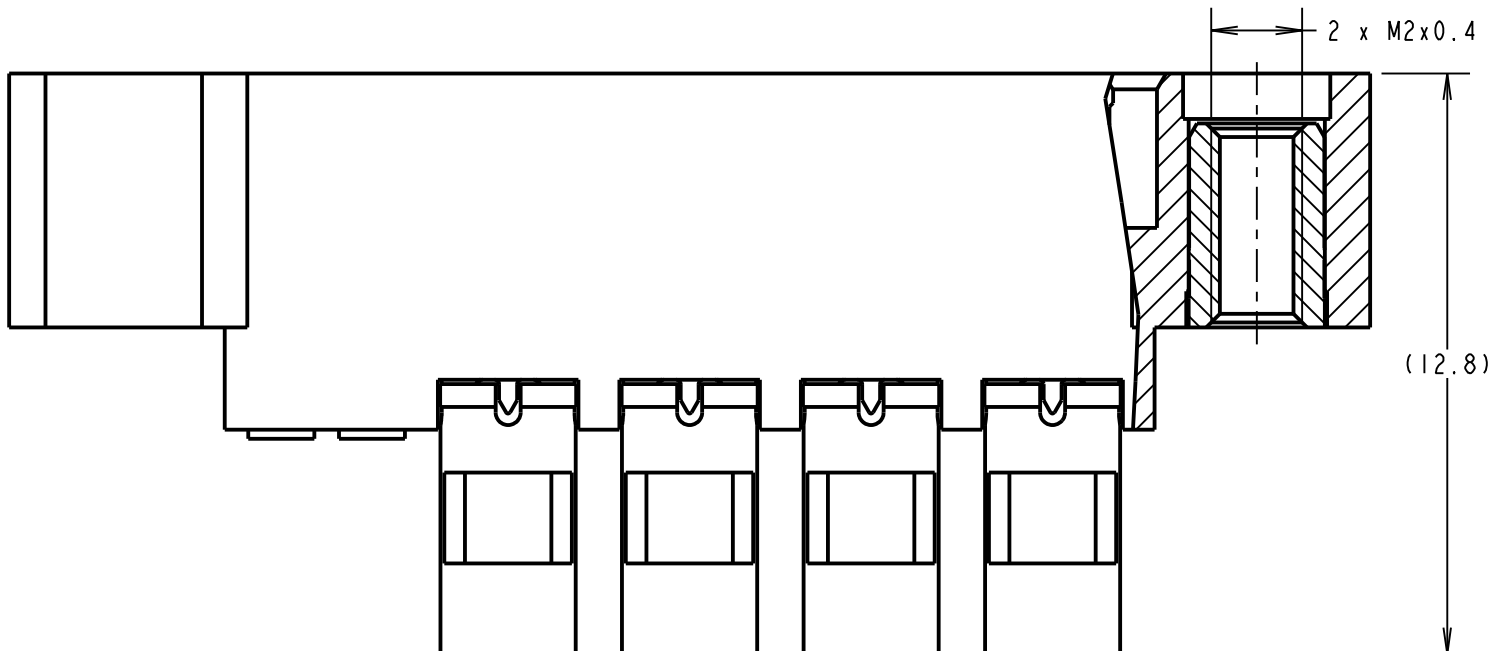
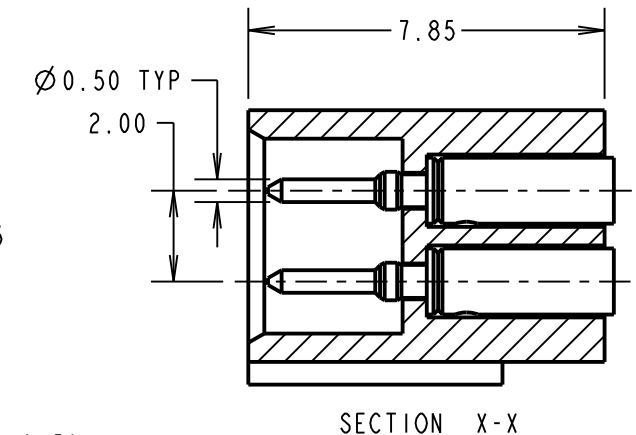
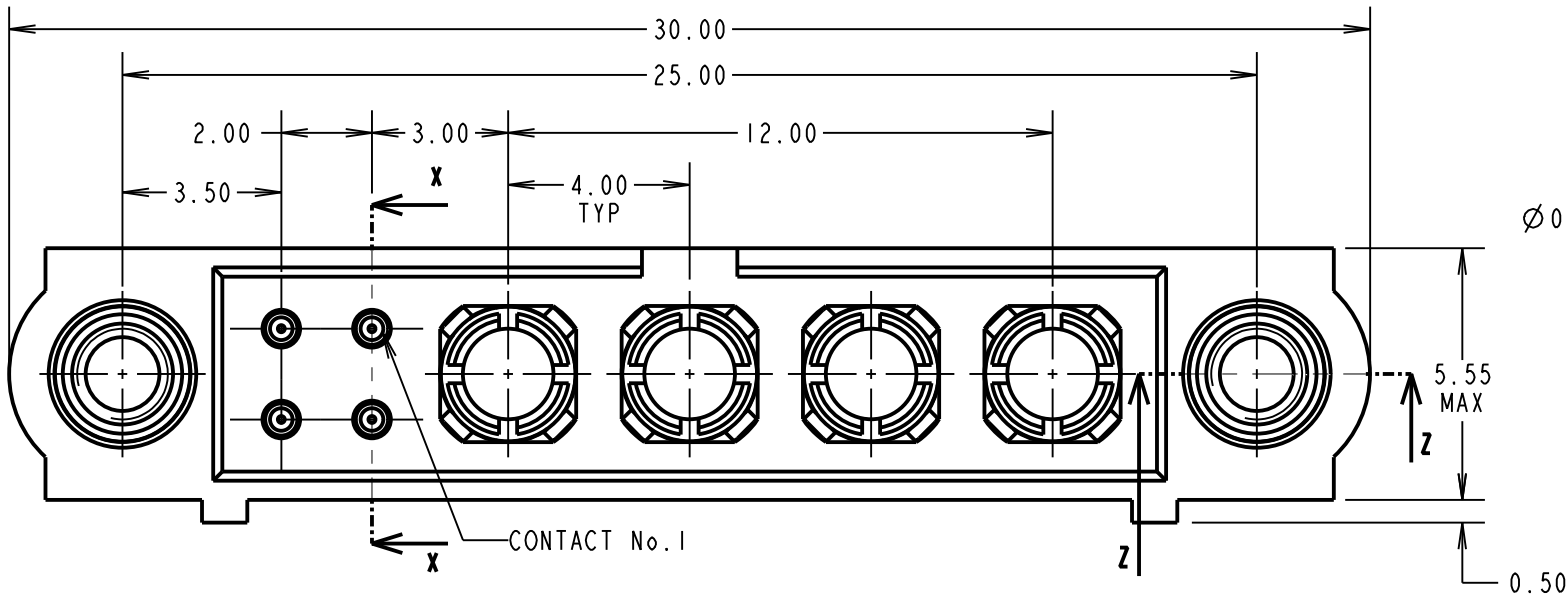
ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

BAG

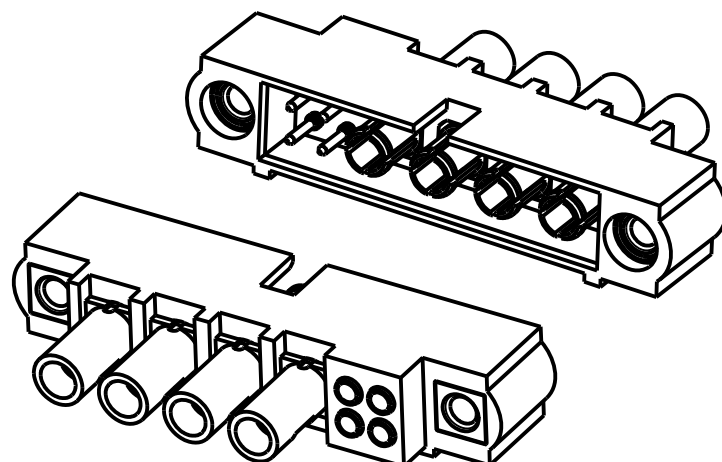
FOR COMPLETE SPECIFICATION SEE COMPONENT
SPECIFICATION C005XX (LATEST ISSUE)



NOTES:

1. CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
2. FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-1950005.
3. 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.
4. RECOMMENDED HAND CRIMP TOOL FOR SIGNAL CONTACTS = M22520/2-01
WITH POSITIONER Z80-193. SEE TOOLING INSTRUCTION SHEET IS-01 FOR
COMPLETE CRIMPING INSTRUCTIONS.
5. SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. SEE INSTRUCTION
SHEET IS-25 FOR ASSEMBLY INFORMATION.
6. FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-336.
7. STRIP POWER CONTACT WIRE BY 5.00mm FOR CRIMPING.
8. POWER CONTACT EXTRACTION TOOL = Z80-290.

SM	I	30.11.11	-----
NAME	ISS.	DATE	C/NOTE
APPROVED: S. MCCULLAGH			
CHECKED: M. G. PLESTED			
DRAWN: S. MCCULLAGH			
CUSTOMER REF.:			
ASSEMBLY DRG:			



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TOLERANCES

X. = $\pm 1\text{mm}$
X.X = $\pm 0.25\text{mm}$
X.XX = $\pm 0.10\text{mm}$
X.XXX = $\pm 0.01\text{mm}$

UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH:

SEE ABOVE

S / AREA:

mm²

TITLE: JACKSCREW DATAMATE
MIXED TECHNOLOGY VERTICAL
CRIMP MALE ASSEMBLY

DRAWING NUMBER:

M80-5C10405MI-04-336-00-000²

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