Customer Information

DRAWING No.: M80-5C10205M1-02-PM5-00-000 IF IN DOUBT - ASK NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIAL:

MOULDING: GLASS FILLED PPS. UL94V-O. BLACK

SIGNAL CONTACT: BRASS

POWER CONTACT:

BODY = COPPER ALLOY

LATCHING COLLAR = BERYLIUM COPPER

JACKSCREW: STAINLESS STEEL

FINISH:

SIGNAL CONTACT: 0.25-0.30µ GOLD

POWER CONTACT: BODY = GOLD

LATCHING COLLAR = NICKEL

ELECTRICAL:

WORKING VOLTAGE = 800V AC/DC VOLTAGE PROOF = 1200V AC/DC

INSULATION RESISTANCE = $100 \text{M}\Omega$ MIN

SIGNAL CONTACT:

CURRENT RATING AT 25°C = 3.0A MAX CURRENT RATING AT 85°C = 2.2A MAX

CONTACT RESISTANCE = $25m\Omega$ MAX

POWER CONTACT:

CONTACT RESISTANCE = $6m\Omega$ MAX

CURRENT RATING = 40A MAX WITH IOAWG

CONTACT AS SPECIFIED

MECHANICAL:

DURABILITY = 500 OPERATIONS

SIGNAL CONTACT:

INSERTION FORCE = 2.0N MAX WITHDRAWAL FORCE = 0.2N MIN

POWER CONTACT:

INSERTION FORCE = 15N MAX

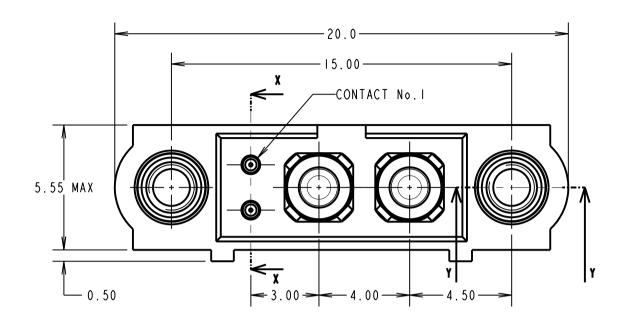
WITHDRAWAL FORCE = 0.5N MIN ENVIRONMENTAL:

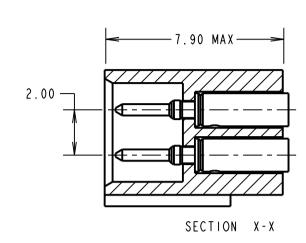
TEMPERATURE RANGE = -55°C TO +125°C

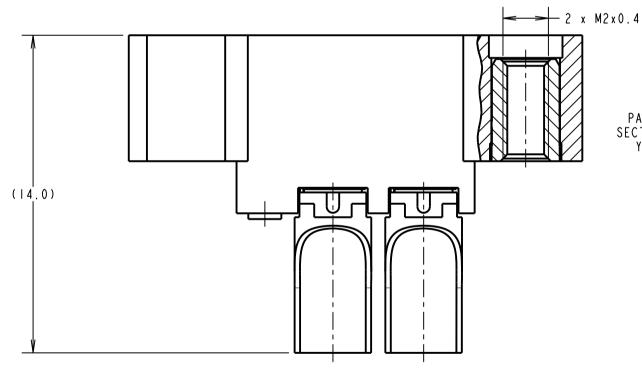
PACKING:

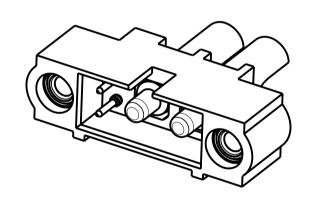
FOR COMPLETE SPECIFICATION SEE COMPONENT

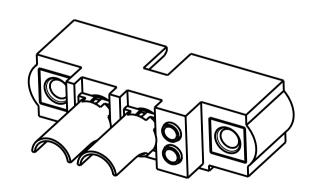
SPECIFICATION COOSXX (LATEST ISSUE)











18.12.15 DATE C/NOTE APPROVED: MGP CHECKED: SB M.PLESTED DRAWN: CUSTOMER REF.: ASSEMBLY DRG:

I. CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE NOT ASSEMBLED AS SHOWN.

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 = ØI.IOmm. STRIP WIRE BY 2.00mm FOR CRIMPING.

4. RECOMMENDED HAND CRIMP TOOL FOR SIGNAL CONTACTS = M22520/2-0, WITH POSITIONER Z80-193. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS

5. SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. REFER TO TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

6. FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-PM5.

POWER CONTACT WIRE, STRIP BY 5.00mm MINIMUM.

8. POWER CONTACT EXTRACTION TOOL = Z80-290. 9. INSTRUCTION SHEETS ARE AVAILABLE.

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UNLESS STATED

MATERIAL: TOLERANCES X. = ±1mm X.X = ±0.50mm X.XX = ±0.10mm .XXX = ±0.01mn FINISH: ANGLES = ±5°

S/AREA:

PART

SECTION

Y - Y

SEE ABOVE SEE ABOVE

TITLE: DATAMATE MIX-TEK MALE ASSEMBLY WITH JACKSCREW

DRAWING NUMBER:

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