Customer Information

IF IN DOUBT - ASK DRAWING No.: M80-5C10205M1-02-335-00-000 SHEET 2 OF 2 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 = 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 = $100M\Omega$ 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 = 20A MAX WITH 12AWG

CONTACT AS SPECIFIED

MECHANICAL:

DURABILITY = 500 OPERATIONS

SIGNAL CONTACT:

INSERTION FORCE = 2.8N MAX WITHDRAWAL FORCE = 0.2N MIN

POWER CONTACT:

INSERTION FORCE = 8N MAX

WITHDRAWAL FORCE = 0.5N MIN

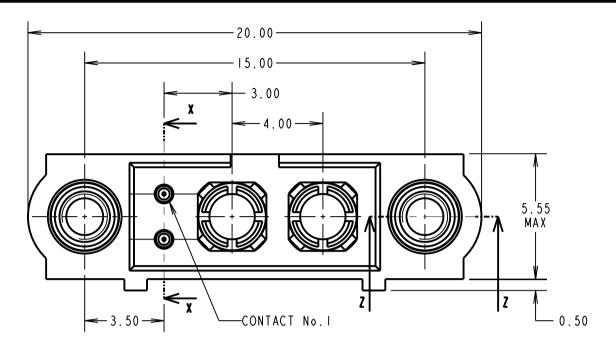
ENVIRONMENTAL:

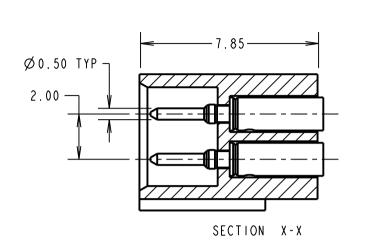
TEMPERATURE RANGE = -55°C TO +125°C

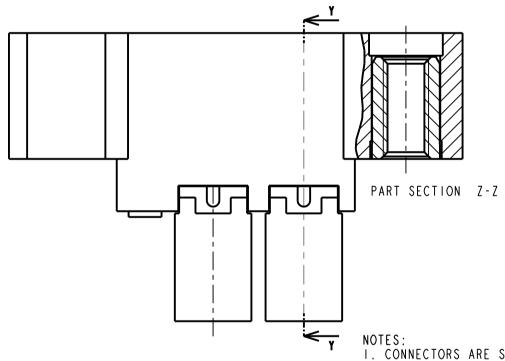
PACKING: BAG

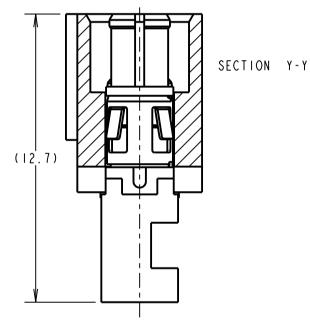
FOR COMPLETE SPECIFICATION SEE COMPONENT

SPECIFICATION COO5XX (LATEST ISSUE)











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.

S/AREA:

6. FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-335.

7. POWER CONTACT WIRE, STRIP BY 5.00mm MINIMUM.

8. POWER CONTACT EXTRACTION TOOL = Z80-290.

9. INSTRUCTION SHEETS ARE AVAILABLE.

NAME DATE C/NOTE APPROVED: S.BENNETT CHECKED: M.PLESTED DRAWN: S.BENNETT CUSTOMER REF.: ASSEMBLY DRG:

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TOLERANCES $X.X = \pm 0.25 mr$ X.XX = ±0.10mm $X.XXX = \pm 0.01$ mm UNLESS STATED

MATERIAL: SEE ABOVE FINISH: SEE ABOVE

JACKSCREW DATAMATE MIXED TECHNOLOGY CRIMP MALE ASSEMBLY

DRAWING NUMBER:

M80-5C10205M1-02-335-00-000 0 oF2