

Customer Information Sheet

DRAWING No.: M80-5C10805M1-04-335-00-000

SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

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 = BERYLIUM COPPER

JACKSCREW: STAINLESS STEEL

FINISH:

SIGNAL CONTACT = 0.25-0.30µ GOLD OVER NICKEL

POWER CONTACT:

BODY = GOLD OVER NICKEL

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 = 25mΩ MAX

POWER CONTACT:

CONTACT RESISTANCE = 6mΩ 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:

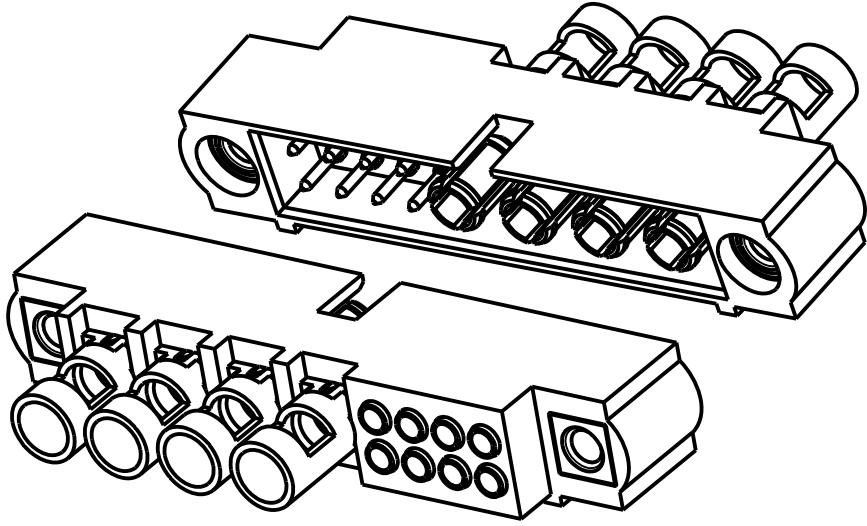
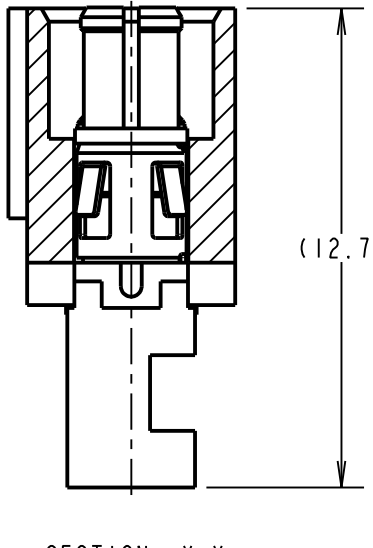
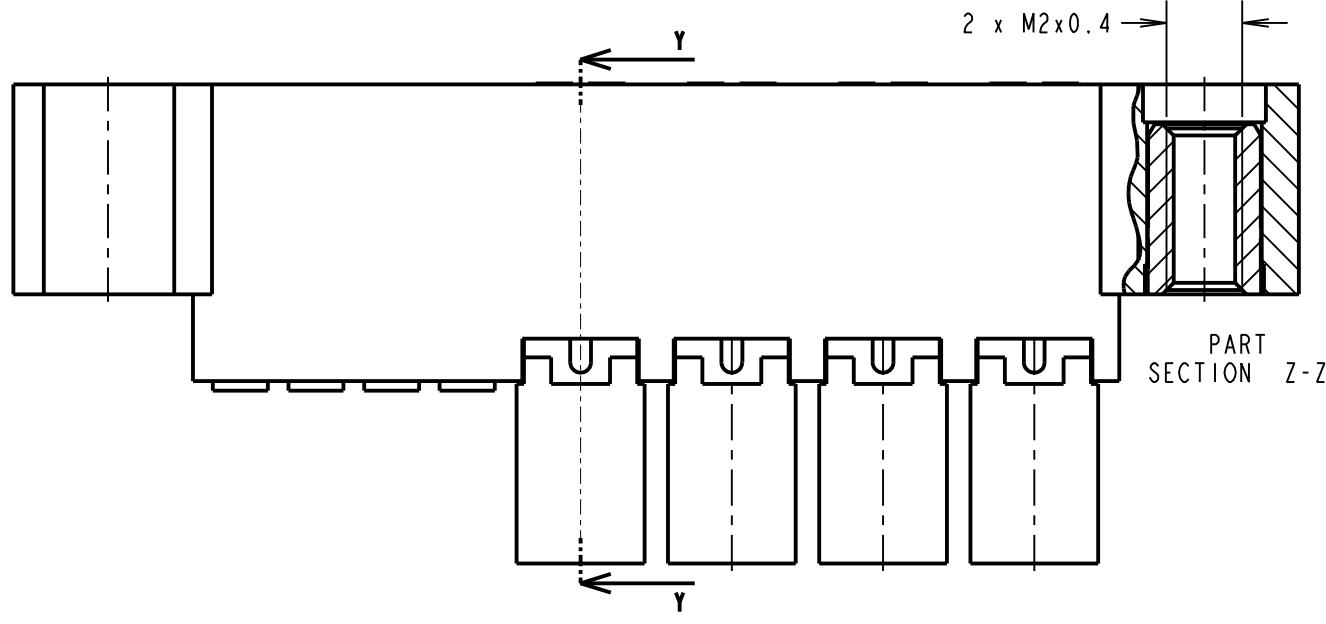
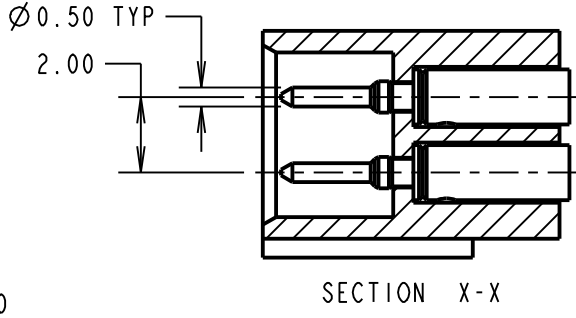
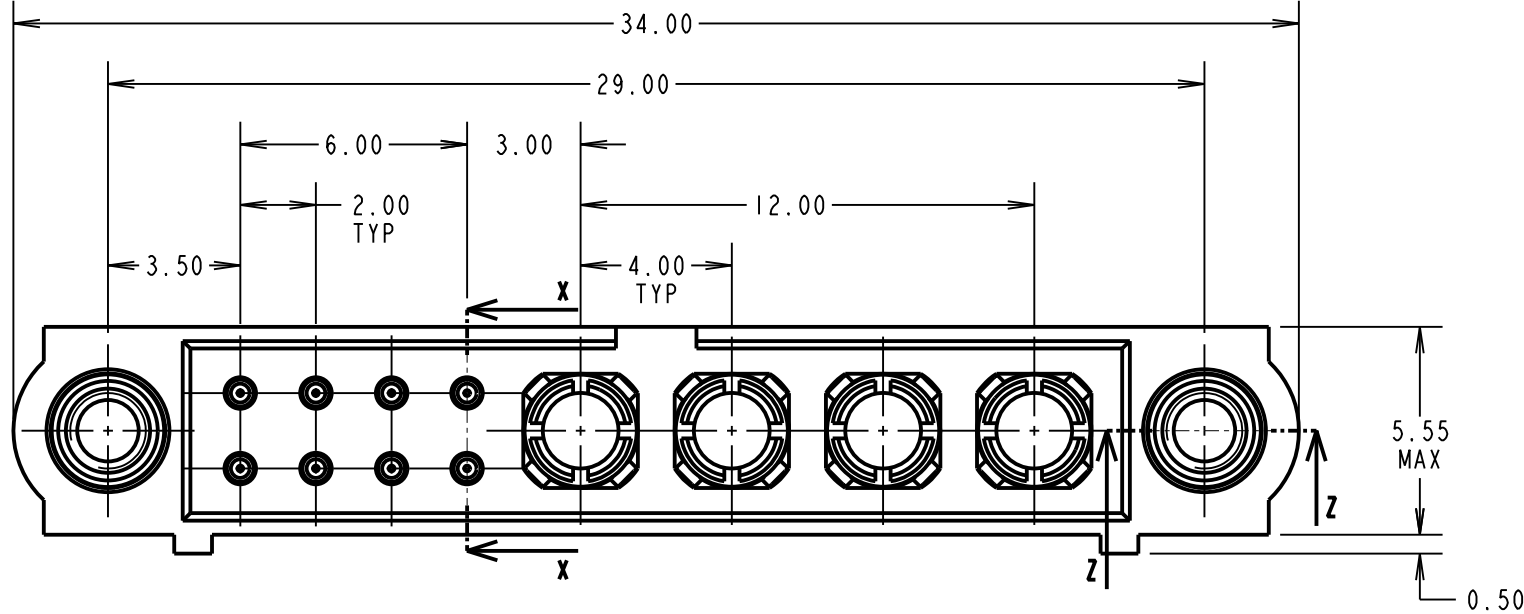
TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

BAG

FOR COMPLETE SPECIFICATION SEE COMPONENT

SPECIFICATION C005XX (LATEST ISSUE)



COMPLETE ASSEMBLY - FOR ILLUSTRATION ONLY

NOTES:

- CONNECTORS ARE SUPPLIED WTH CONTACTS LOOSE.
- FOR EXTRA SIGNAL CONACTS, 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.
- RECOMMENDED HAND CRIMP TOOL SIGNAL CONTACTS = M22520/2-01 WITH POSITIONER Z80-193. SEE TOOLING INSTRUCTION SHET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
- SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. SEE INSTRUCTION SHEET OS-25 FOR ASSEMBLY INFORMATION.
- FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-335.
- STRIP POWER CONTACT WIRE BY 5.00mm FOR CRIMPING.
- POWER CONTACT EXTRACTION TOOL = Z80-290.

HARWIN

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TOLERANCES

X. = ±1mm
X.X = ±0.25mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH:

SEE ABOVE

S/AREA:

mm²

TITLE: JACKSCREW DATAMATE
MIXED TECHNOLOGY
CRIMP MALE ASSEMBLY

DRAWING NUMBER:

M80-5C10805M1-04-335-00-000

SHT

2 OF 2

MSP	I	07.11.16	----
NAME	ISS.	DATE	C/NOTE
APPROVED:	M.PERREN		
CHECKED:	S.BENNETT		
DRAWN:	M.PERREN		
CUSTOMER REF.:			
ASSEMBLY DRG:			