

Customer Information Sheet

DRAWING No.: M80-4D11405F2-04-325-02-325

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:

CLIP = BERYLLIUM COPPER

SHELL = BRASS

POWER CONTACT:

BODY = COPPER ALLOY

LATCHING COLLAR = BERYLLIUM COPPER

JACKSCREW, CIRCLIP: STAINLESS STEEL

FINISH:

SIGNAL CONTACT:

CLIP = 0.3 μ GOLD

SHELL = 0.25-0.3 μ 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 = 25 m Ω MAX

POWER CONTACT:

CONTACT RESISTANCE = 6 m Ω 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 = 5N MAX

WITHDRAWAL FORCE = 0.5N MIN

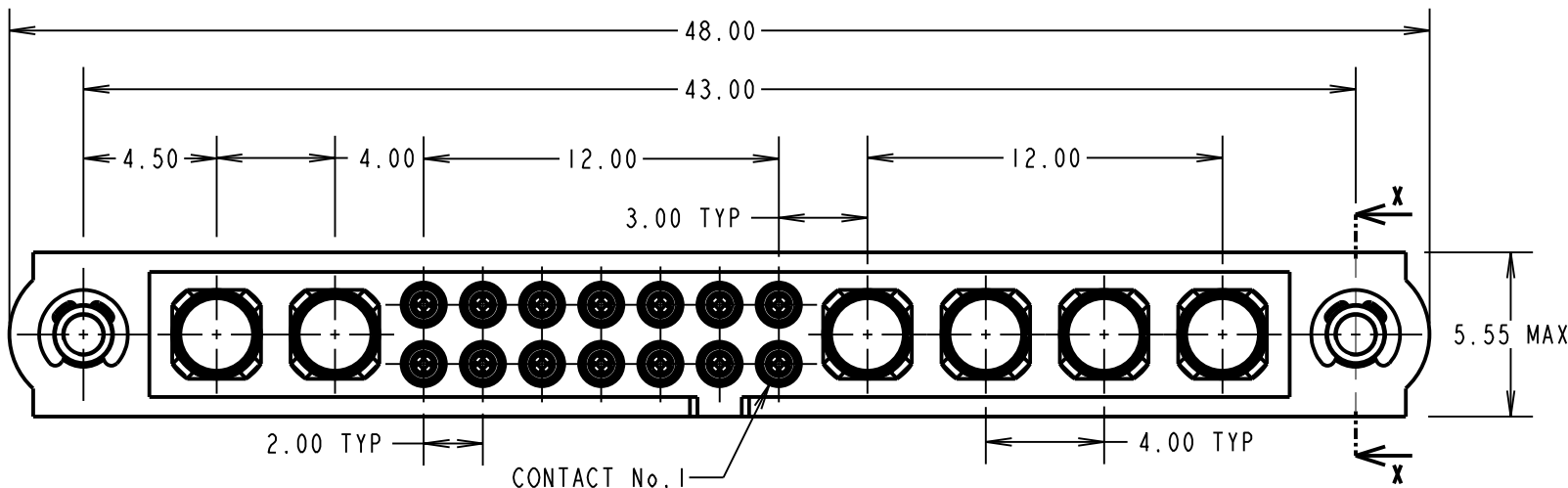
ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

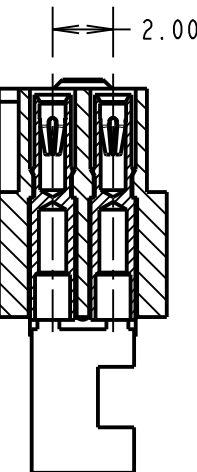
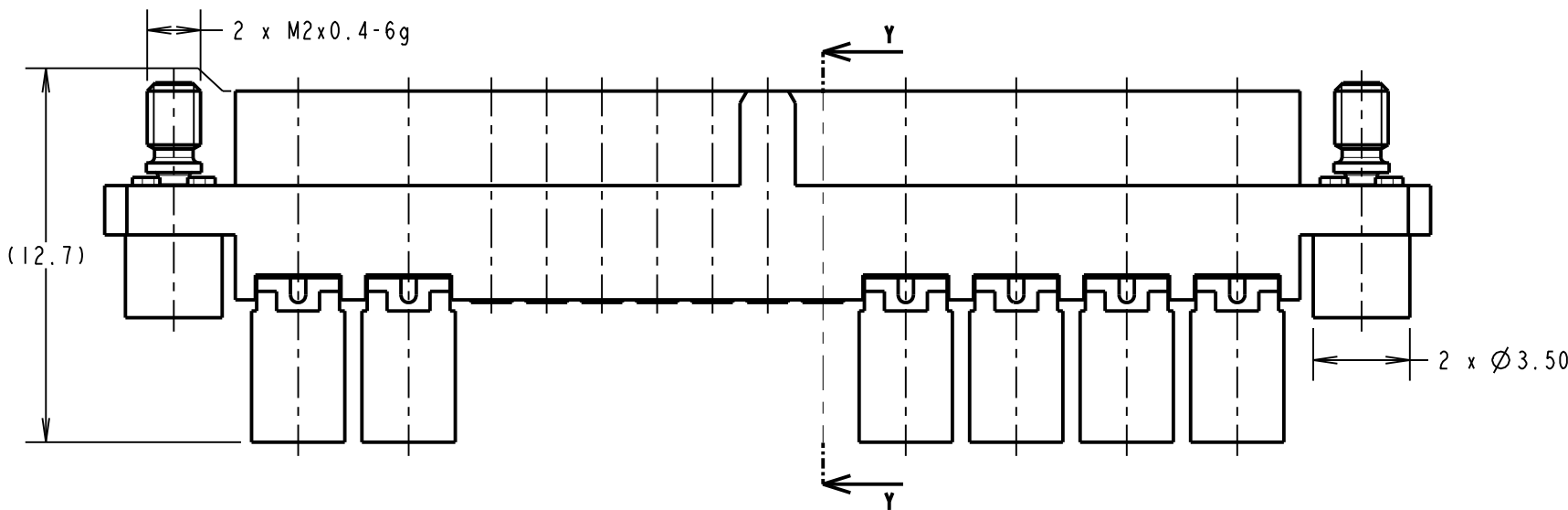
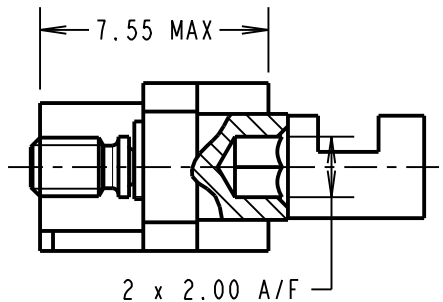
PACKING:

BAG

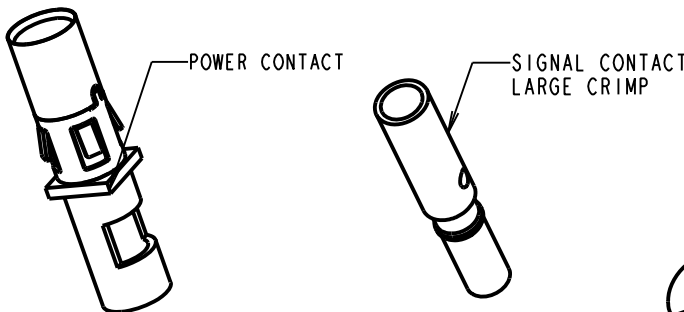
FOR COMPLETE SPECIFICATION SEE COMPONENT
SPECIFICATION C005XX (LATEST ISSUE)



PART SECTION X-X



SECTION Y-Y



NOTES:

- CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
- FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-0110005.
- RECOMMENDED SIGNAL WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 22 AWG. MAX INSULATION DIAMETER = Ø1.10mm. STRIP WIRE BY 2.00MM FOR CRIMPING.
- RECOMMENDED HAND CRIMP TOOL FOR SIGNAL CONTACTS = M22520/2-01 WITH POSITIONER T5747.
- SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280.
- FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-325
- POWER CONTACT WIRE, STRIP BY 5.00mm MINIMUM
- POWER CONTACT EXTRACTION TOOL = Z80-290
- INSTRUCTION SHEETS ARE AVAILABLE.

SM	I	05.10.10	10806
NAME	ISS.	DATE	C/NOTE
APPROVED: S. MCCULLAGH			
CHECKED: M. G. PLESTED			
DRAWN: S.FLOWER			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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TOLERANCES

X. = ± 1 mm
X.X = ± 0.25 mm
X.XX = ± 0.10 mm
X.XXX = ± 0.01 mm

ANGLES = $\pm 5^\circ$

UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH:

SEE ABOVE

S/AREA:

mm²

TITLE: JACKSCREW DATAMATE
MIXED TECHNOLOGY
CRIMP FEMALE ASSEMBLY

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