

Customer Information Sheet

DRAWING No.: M80-4C11205FI-03-325-02-325

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:
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

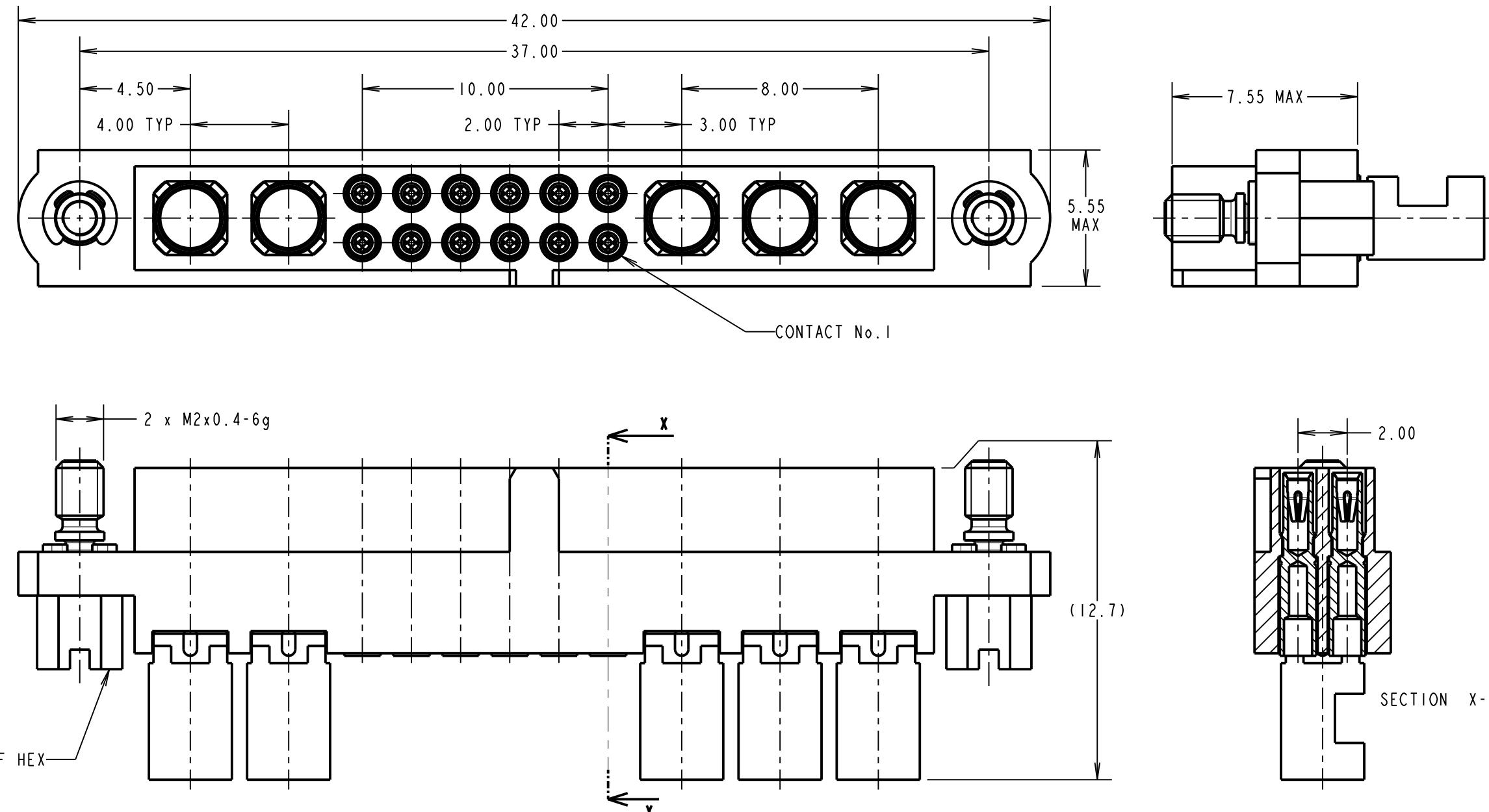
POWER CONTACT:
INSERTION FORCE = 5N MAX
WITHDRAWAL FORCE = 0.5N MIN

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

PACKING:

BAG

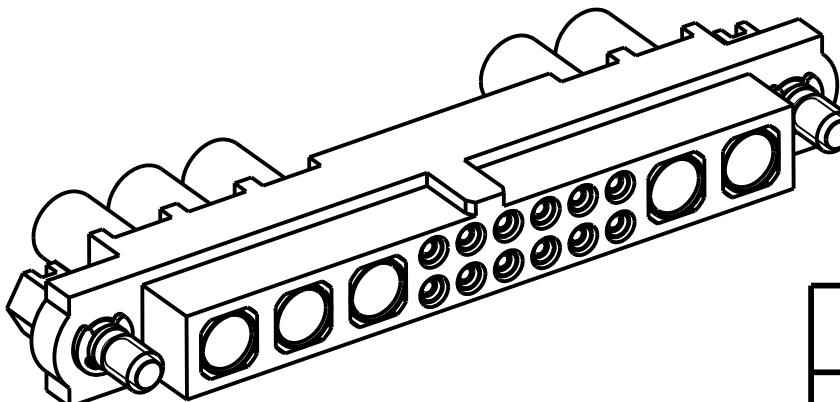
FOR COMPLETE SPECIFICATION SEE COMPONENT
SPECIFICATION C005XX (LATEST ISSUE)



NOTES:

1. CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
2. FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-0130005.
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 T5747.
5. SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280.
6. FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-325
7. POWER CONTACT WIRE, STRIP BY 5.00mm MINIMUM
8. POWER CONTACT EXTRACTION TOOL = Z80-290
9. INSTRUCTION SHEETS ARE AVAILABLE.

SM	I	16.09.10	10806
NAME	ISS.	DATE	C/NOTE
APPROVED:	S. MCCULLAGH		
CHECKED:	R. ADDE		
DRAWN:	R. ADDE		
CUSTOMER REF.:			
ASSEMBLY DRG.:			



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DISCLOSED, LOANED, COPIED
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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
S/AREA: mm²

TITLE: JACKSCREW DATAMATE
MIXED TECHNOLOGY
CRIMP FEMALE ASSEMBLY
DRAWING NUMBER: M80-4C11205FI-03-325-02-325
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