

# Customer Information Sheet

DRAWING No.: M80-4C11205F2-04-325-00-000

SHEET 2 OF 2

IF IN DOUBT - ASK

©

NOT TO SCALE

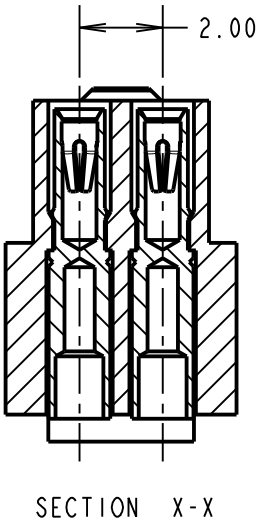
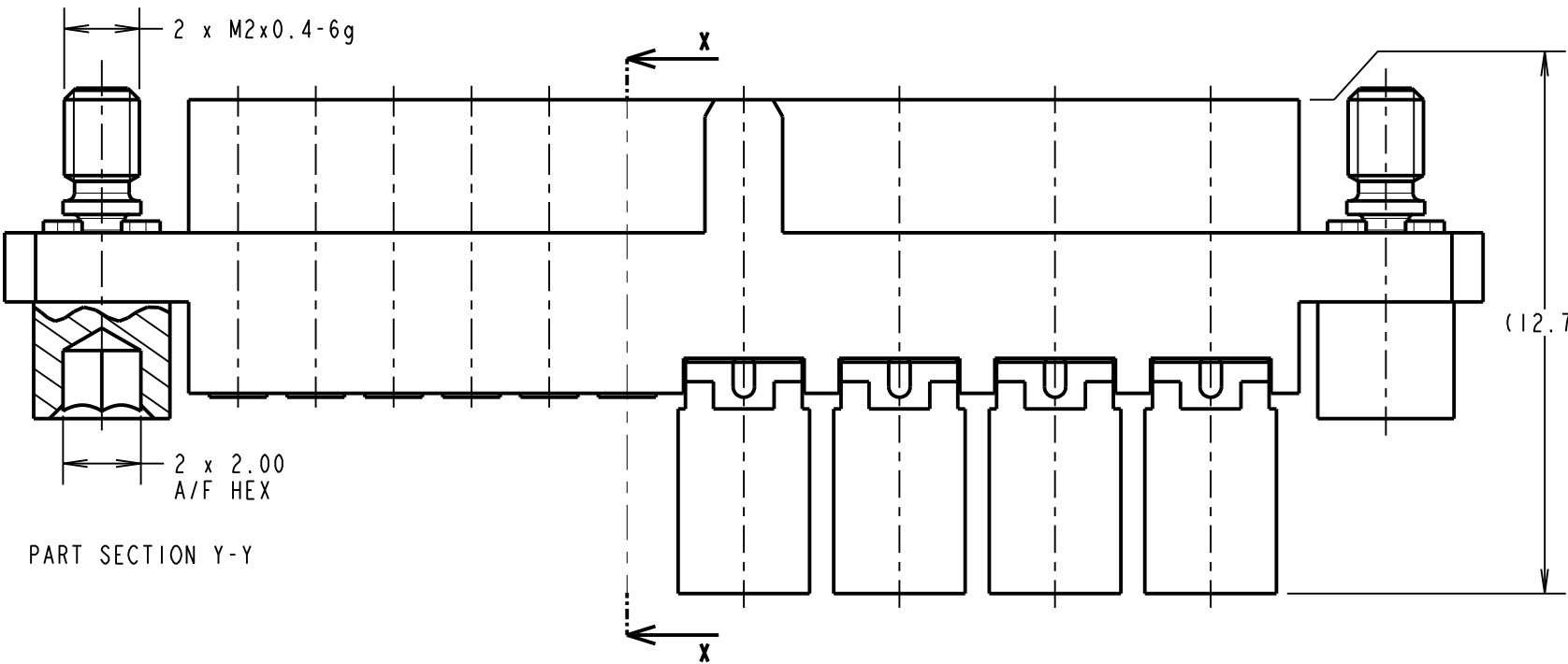
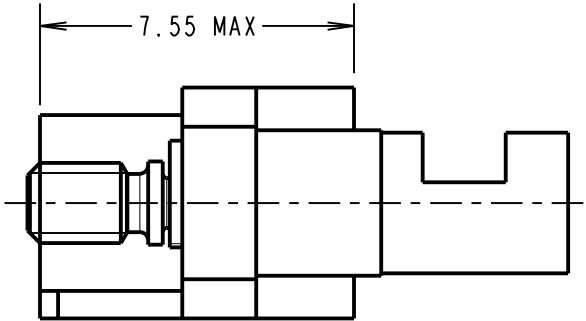
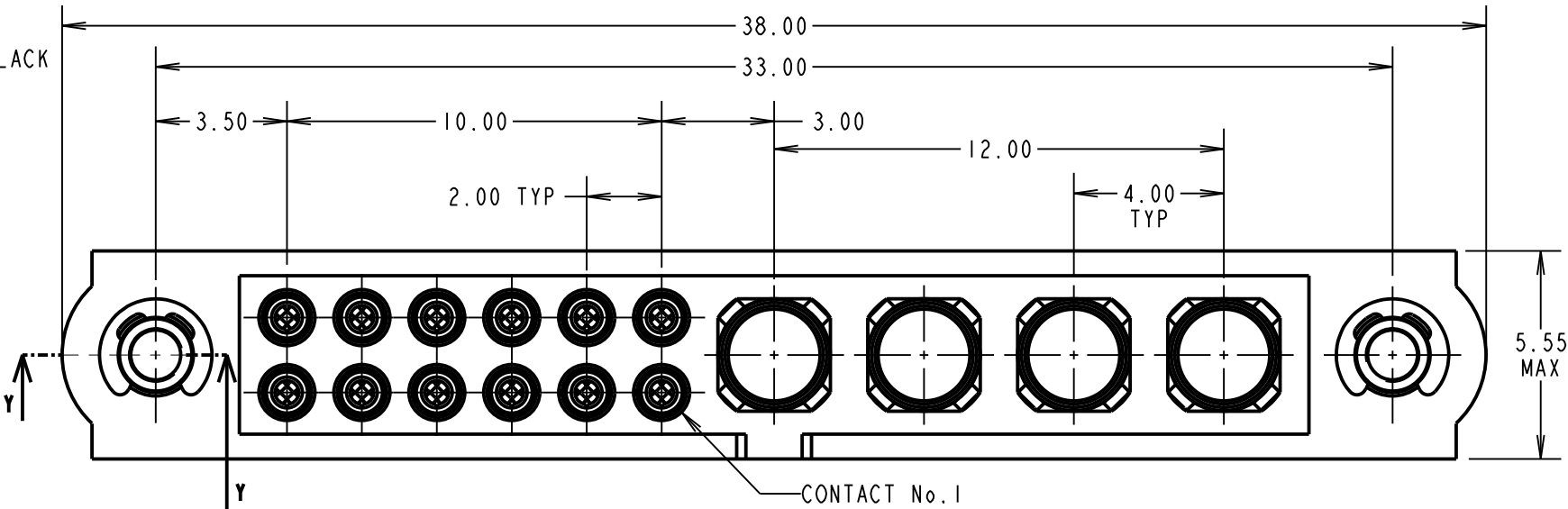
THIRD ANGLE PROJECTION

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 $\mu$  GOLD  
SHELL = 0.25-0.3 $\mu$  GOLD  
**POWER CONTACT:**  
BODY = GOLD  
LATCHING COLLAR = NICKEL  
**ELECTRICAL:**  
WORKING VOLTAGE = 120V AC/DC  
VOLTAGE PROOF = 360V 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 = 25 m $\Omega$  MAX  
**POWER CONTACT:**  
CONTACT RESISTANCE = 6 m $\Omega$  MAX  
CURRENT RATING = 20A MAX WITH 12AWG  
CONTACT AS SPECIFIED

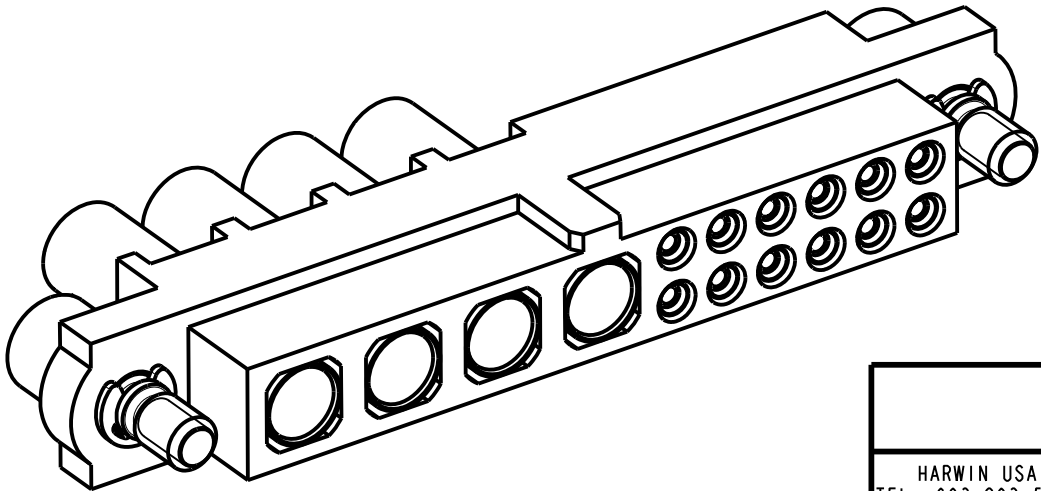
**MECHANICAL:**  
DURABILITY = 500 OPERATIONS  
**SIGNAL CONTACT:**  
INSERTION FORCE = 2.8N MAX  
WITHDRAWAL FORCE = 0.2N MIN  
**POWER CONTACT:**  
INSERTION FORCE = 5N MAX  
WITHDRAWAL FORCE = 0.5N MIN  
**ENVIRONMENTAL:**  
TEMPERATURE RANGE = -55°C TO +125°C  
**PACKING:**  
BAG  
FOR COMPLETE SPECIFICATION SEE COMPONENT  
SPECIFICATION C005XX (LATEST ISSUE)



PART SECTION Y-Y

### NOTES:

- CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
- FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-0130005.
- 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 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    | 04.11.10 | ----   |
| NAME                   | ISS. | DATE     | C/NOTE |
| APPROVED: S. MCCULLAGH |      |          |        |
| CHECKED: S. FLOWER     |      |          |        |
| DRAWN: S. MCCULLAGH    |      |          |        |
| CUSTOMER REF.:         |      |          |        |
| ASSEMBLY DRG:          |      |          |        |

**HARWIN**

|                                                                        |                                                                                    |                                                                                |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
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**TOLERANCES**  
X. =  $\pm 1$ mm  
X.X =  $\pm 0.25$ mm  
X.XX =  $\pm 0.10$ mm  
X.XXX =  $\pm 0.01$ mm  
**ANGLES** =  $\pm 5^\circ$   
UNLESS STATED

**MATERIAL:**

SEE ABOVE

**FINISH:**

SEE ABOVE

**S/AREA:**

mm<sup>2</sup>

**TITLE:** JACKSCREW DATAMATE  
MIXED TECHNOLOGY  
CRIMP FEMALE ASSEMBLY

**DRAWING NUMBER:**

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