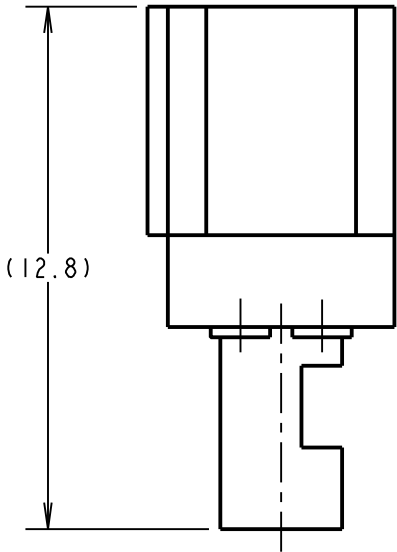
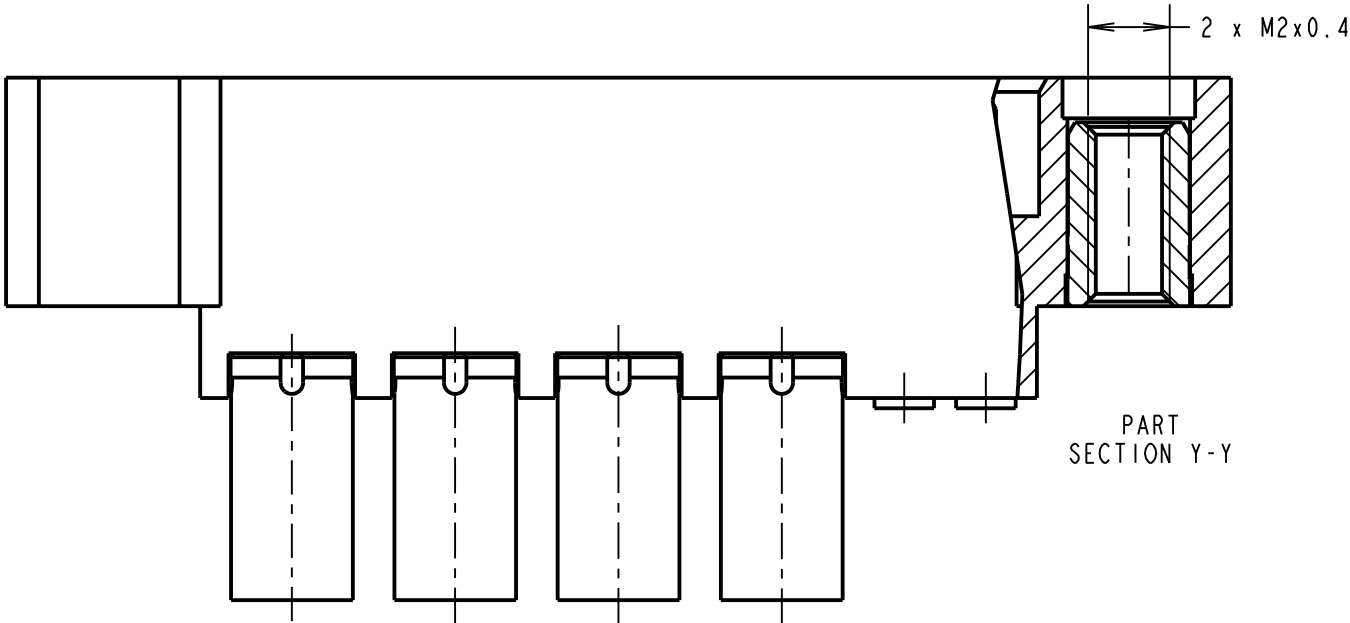
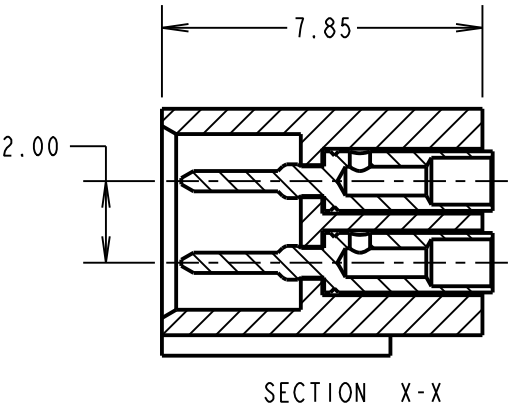
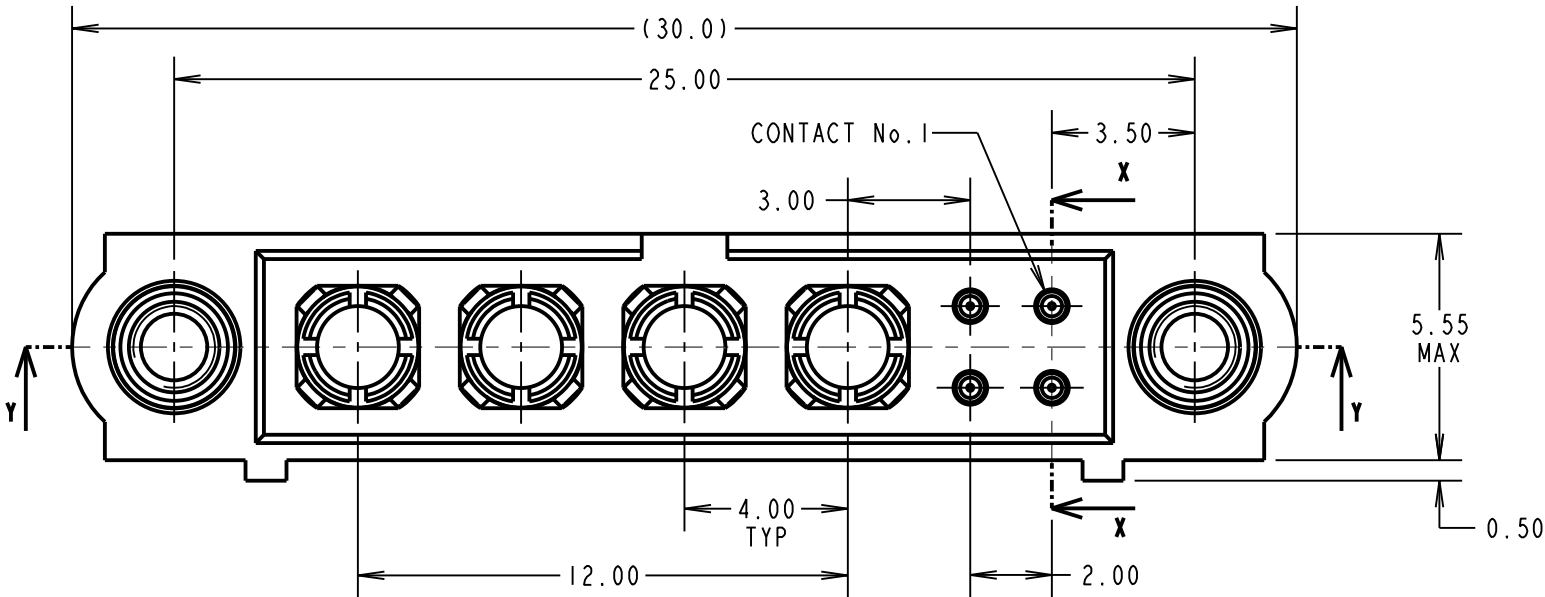


# Customer Information Sheet

DRAWING No.: M80-5C10405M1-00-000-04-337      SHEET 2 OF 2      IF IN DOUBT - ASK      ©      NOT TO SCALE      THIRD ANGLE PROJECTION      ALL DIMENSIONS IN mm

**SPECIFICATIONS:**

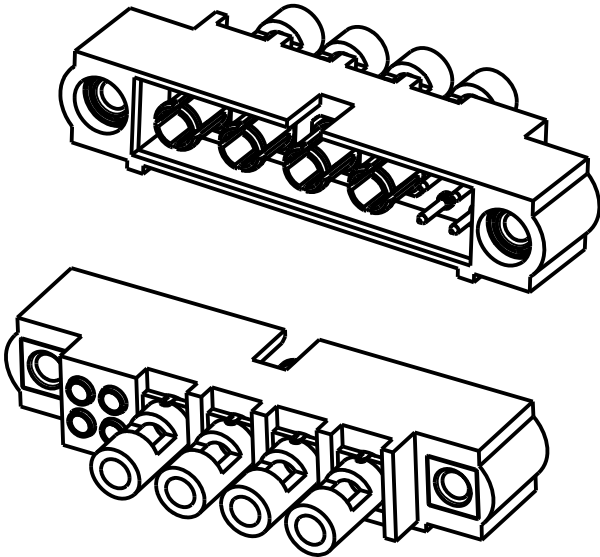
**MATERIAL:**  
MOULDING: GLASS FILLED PPS, UL94V-0, BLACK  
SIGNAL CONTACT: BRASS  
POWER CONTACT:  
  BODY = COPPER ALLOY  
  LATCHING COLLAR = BERYLLIUM COPPER  
JACKSCREW: STAINLESS STEEL  
**FINISH:**  
SIGNAL CONTACT: 0.25-0.30µ GOLD  
POWER CONTACT:  
  BODY = GOLD  
  LATCHING COLLAR = NICKEL  
**ELECTRICAL:**  
WORKING VOLTAGE = 800V AC/DC  
VOLTAGE PROOF = 1200V AC/DC  
INSULATION RESISTANCE = 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 = 10A MAX WITH 16AWG  
  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 WITH CONTACTS LOOSE.
  - FOR EXTRA SIGNAL CONTACTS, 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 FOR SIGNAL CONTACTS = M22520/2-01 WITH POSITIONER Z80-193.
  - SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280.
  - FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-337.
  - POWER CONTACT WIRE, STRIP BY 5.00mm MINIMUM.
  - POWER CONTACT EXTRACTION TOOL = Z80-290.
  - INSTRUCTION SHEETS ARE AVAILABLE.

|                     |      |          |        |
|---------------------|------|----------|--------|
| MGP                 | I    | 03.10.17 | ----   |
| NAME                | ISS. | DATE     | C/NOTE |
| APPROVED: MGP       |      |          |        |
| CHECKED: SB         |      |          |        |
| DRAWN: MARK PLESTED |      |          |        |
| CUSTOMER REF.:      |      |          |        |
| ASSEMBLY DRG:       |      |          |        |



**HARWIN**  
www.harwin.com  
technical@harwin.com

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**TOLERANCES**  
X. = ±1mm  
X.X = ±0.50mm  
X.XX = ±0.10mm  
X.XXX = ±0.01mm  
**ANGLES = ±5°**  
**UNLESS STATED**

**MATERIAL:**  
SEE ABOVE  
**FINISH:** SEE ABOVE  
**S/AREA:** mm<sup>2</sup>

**TITLE:** JACKSCREW DATAMATE  
MIXED TECHNOLOGY  
CRIMP MALE ASSEMBLY  
**DRAWING NUMBER:** M80-5C10405M1-00-000-04-337  
**SHT** 2 OF 2