

# Customer Information Sheet

DRAWING No.: M80-4C10605F1-02-325-00-000

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:

CLIP = BERYLLIUM COPPER

SHELL = BRASS

### POWER CONTACT:

BODY = BRASS

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:

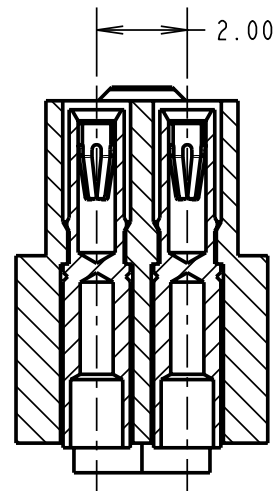
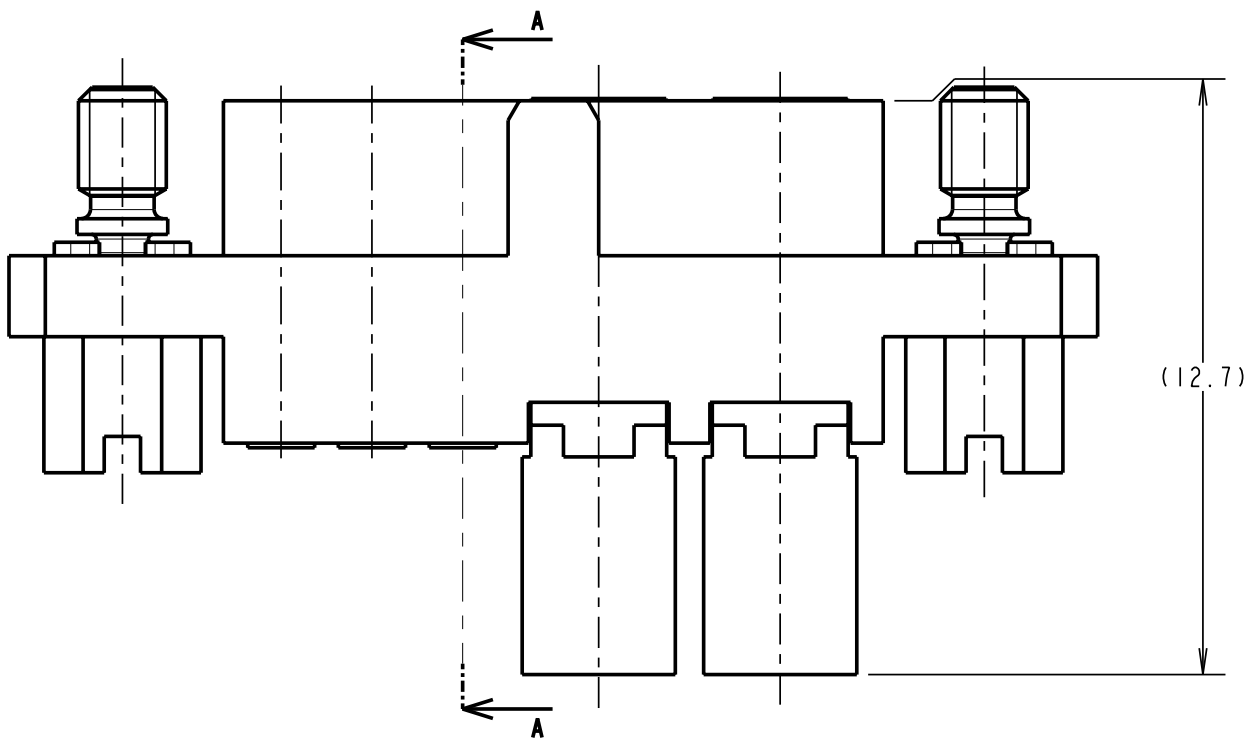
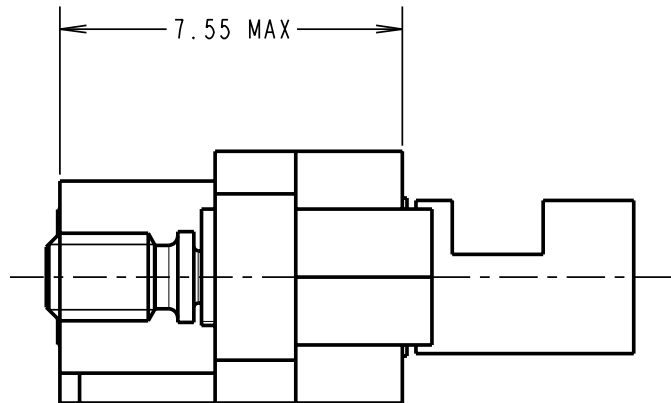
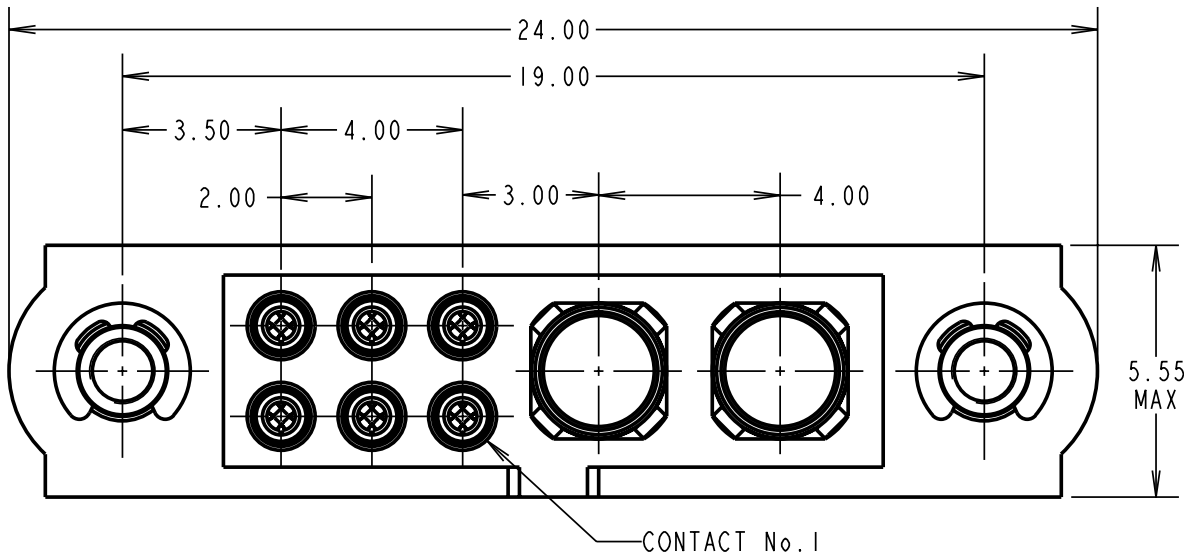
TEMPERATURE RANGE = -55°C TO +125°C

### PACKING:

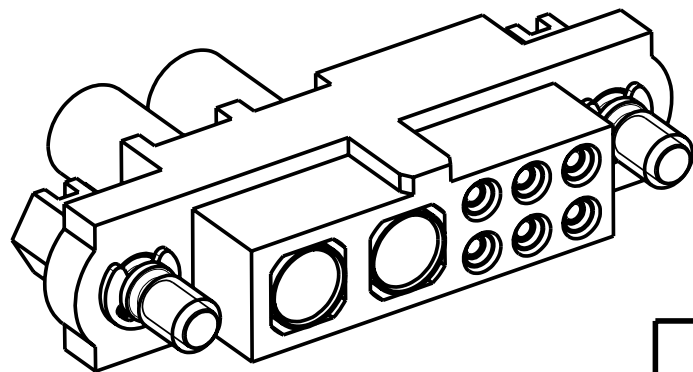
BAG

FOR COMPLETE SPECIFICATION SEE COMPONENT

SPECIFICATION C005XX (LATEST ISSUE)



SECTION A-A



### 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 =  $\varnothing$ 1.10mm. 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.

|                      |      |          |        |
|----------------------|------|----------|--------|
| RA                   | A    | 03.03.08 | ----   |
| NAME                 | ISS. | DATE     | C/NOTE |
| APPROVED: R.ADDE     |      |          |        |
| CHECKED: M.G.PLESTED |      |          |        |
| DRAWN: R.ADDE        |      |          |        |
| CUSTOMER REF.:       |      |          |        |
| ASSEMBLY DRG:        |      |          |        |

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### TOLERANCES

X. =  $\pm$ 1mm  
X.X =  $\pm$ 0.25mm  
X.XX =  $\pm$ 0.10mm  
X.XXX =  $\pm$ 0.01mm  
ANGLES =  $\pm$ 5°  
UNLESS STATED

### MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA: mm<sup>2</sup>

TITLE: JACKSCREW DATAMATE  
MIXED TECHNOLOGY  
CRIMP FEMALE ASSEMBLY

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