

# Customer Information Sheet

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

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 = BRASS  
LATCHING COLLAR = BERYLLIUM COPPER  
JACKSCREW, CIRCLIP: STAINLESS STEEL

### FINISH:

SIGNAL CONTACT:  
CLIP = 0.3µ GOLD  
SHELL = 0.25-0.3µ GOLD

### POWER CONTACT:

BODY = GOLD  
LATCHING COLLAR = NICKEL

### ELECTRICAL:

WORKING VOLTAGE = 120V AC/DC  
VOLTAGE PROOF = 360V 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 = 25 mΩ MAX

### POWER CONTACT:

CONTACT RESISTANCE = 6 mΩ 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

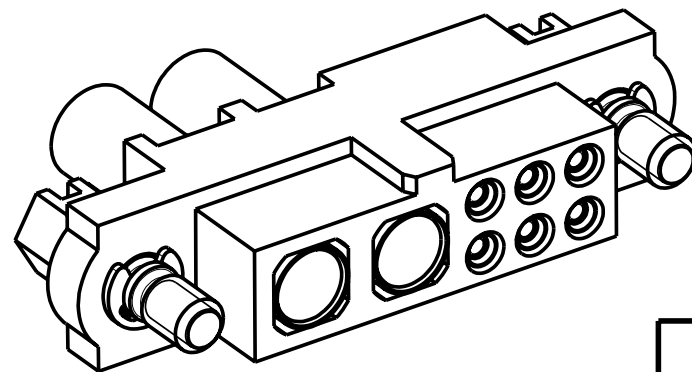
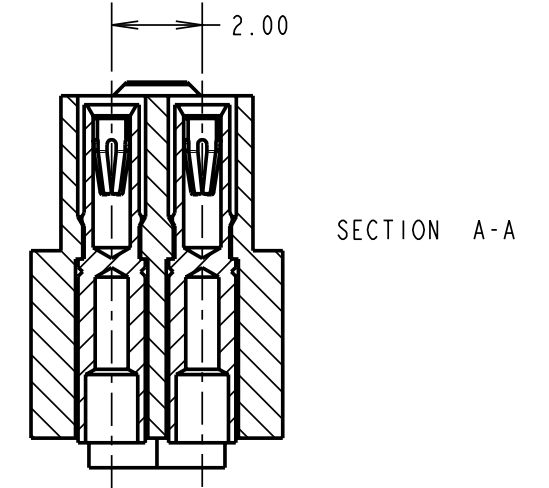
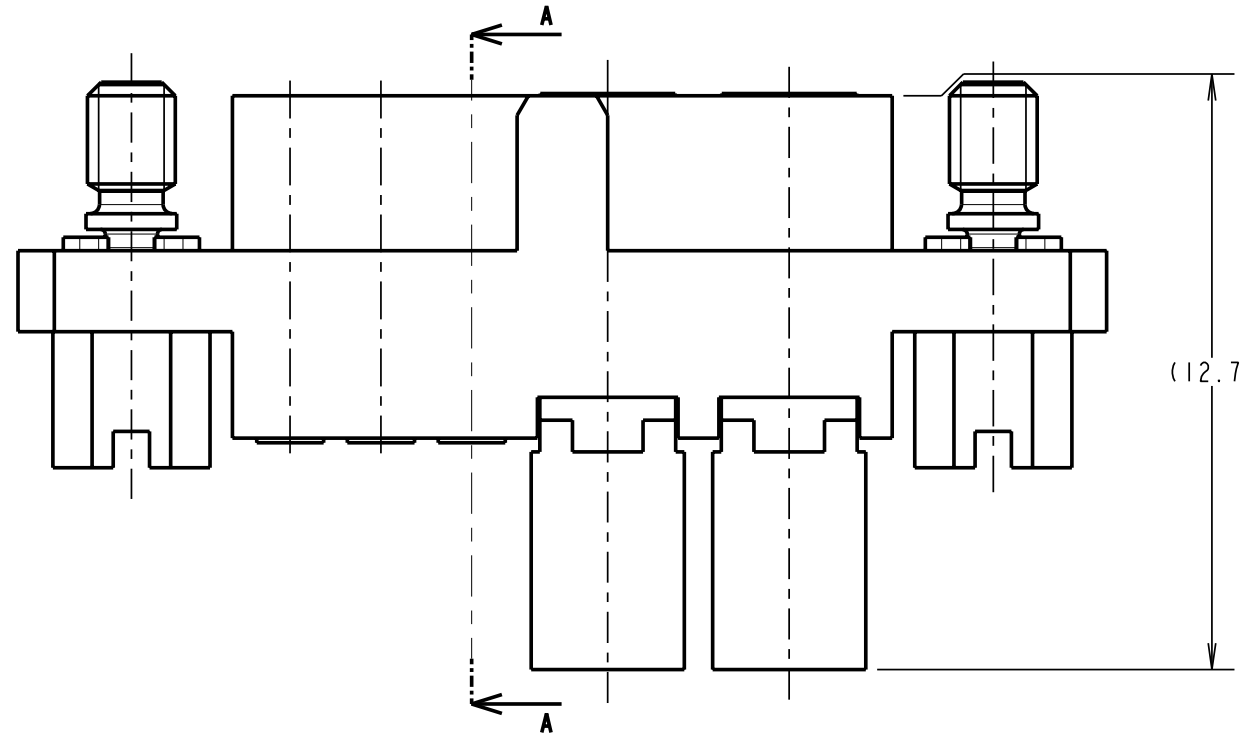
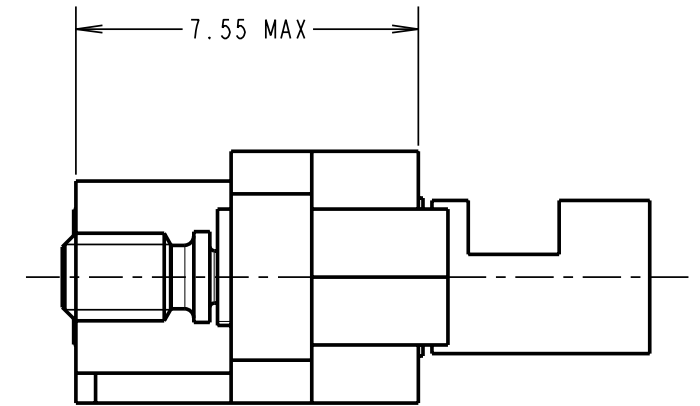
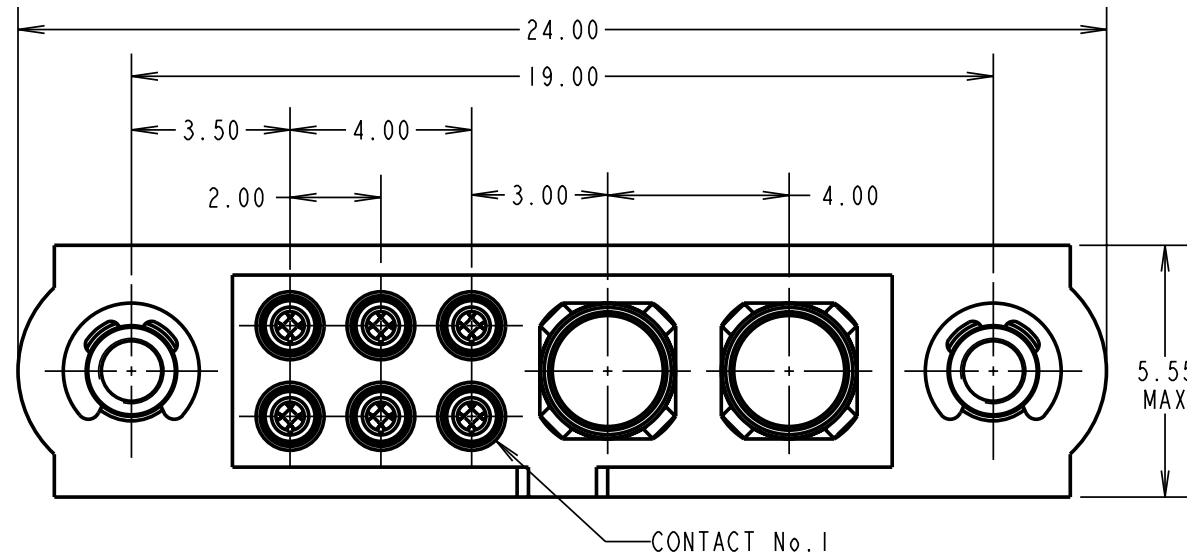
### ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

### PACKING:

BAG

FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)



### NOTES:

- 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.

|                |      |              |        |
|----------------|------|--------------|--------|
| 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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| HARWIN USA<br>TEL: 603 893 5376<br>FAX: 603 893 5396<br>mis@harwin.com | HARWIN Europe (UK)<br>TEL: 023 9231 4545<br>FAX: 023 9231 4590<br>mis@harwin.co.uk | HARWIN Asia<br>TEL: +65 6 779 4909<br>FAX: +65 6 779 3868<br>mis@harwin.com.sg |   |  |                            |  |
|  |  |  |   |  | FINISH: SEE ABOVE          | DRAWING NUMBER:<br><b>M80-4C10605F1-02-325-00-000</b>            |
|  |  |  |   |  | S/AREA: mm <sup>2</sup>    | SHT<br>2 OF 2  |