

# Customer Information Sheet

DRAWING No.: M80-4D10242F1-02-325-02-325

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 = BERYLIUM COPPER

SHELL = COPPER ALLOY

### POWER CONTACT:

BODY = COPPER ALLOY

LATCHING COLLAR = BERYLLIUM COPPER

JACKSCREW, CIRCLIP: STAINLESS STEEL

### FINISH:

#### SIGNAL CONTACT:

CLIP = 0.3µ GOLD OVER NICKEL

SHELL = 3.5-5.0µ 100% TIN OVER NICKEL

#### POWER CONTACT:

BODY = GOLD OVER NICKEL

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 = 20A MAX WITH 12AWG 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:

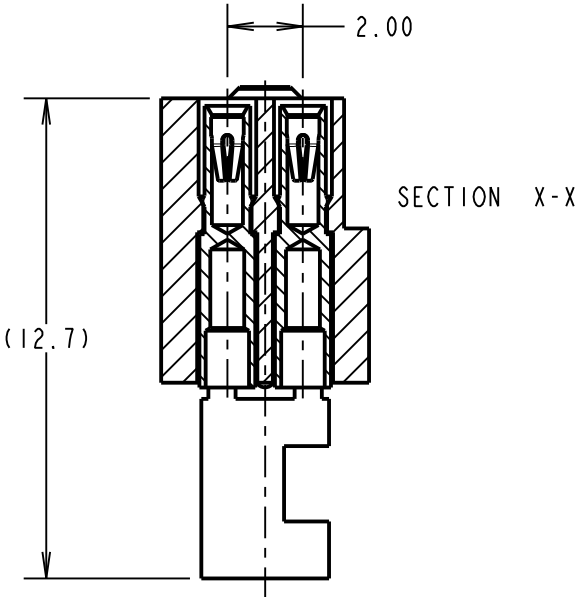
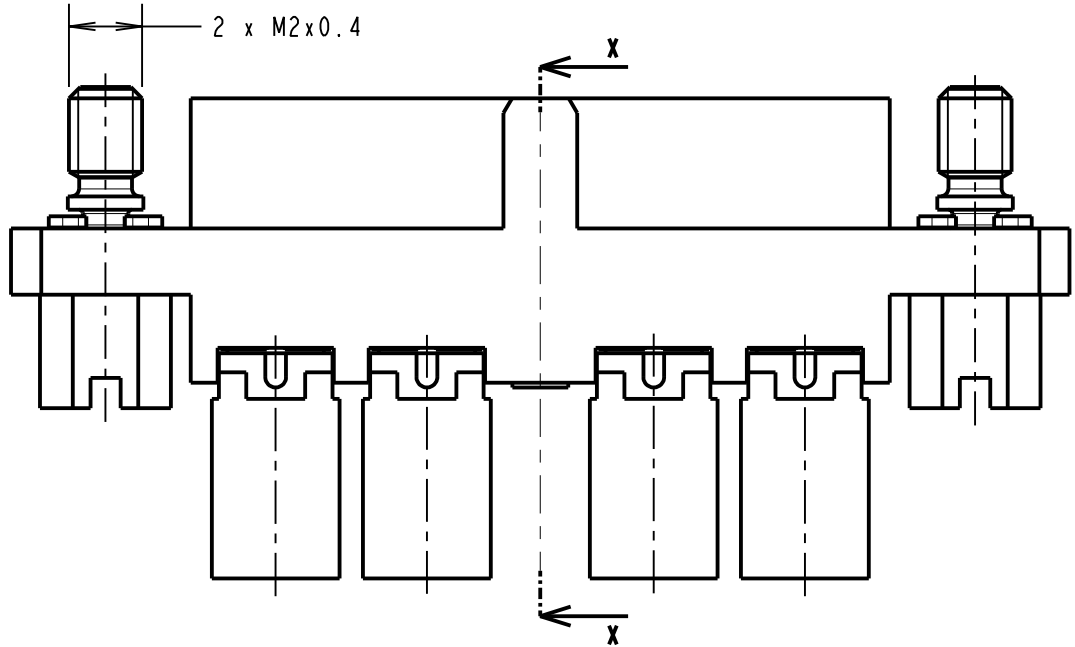
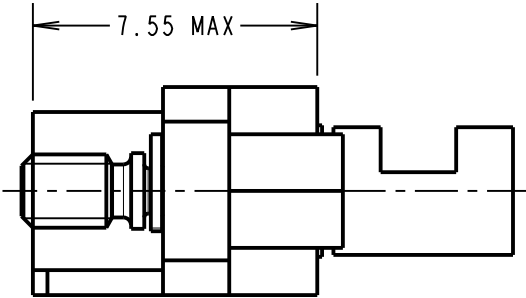
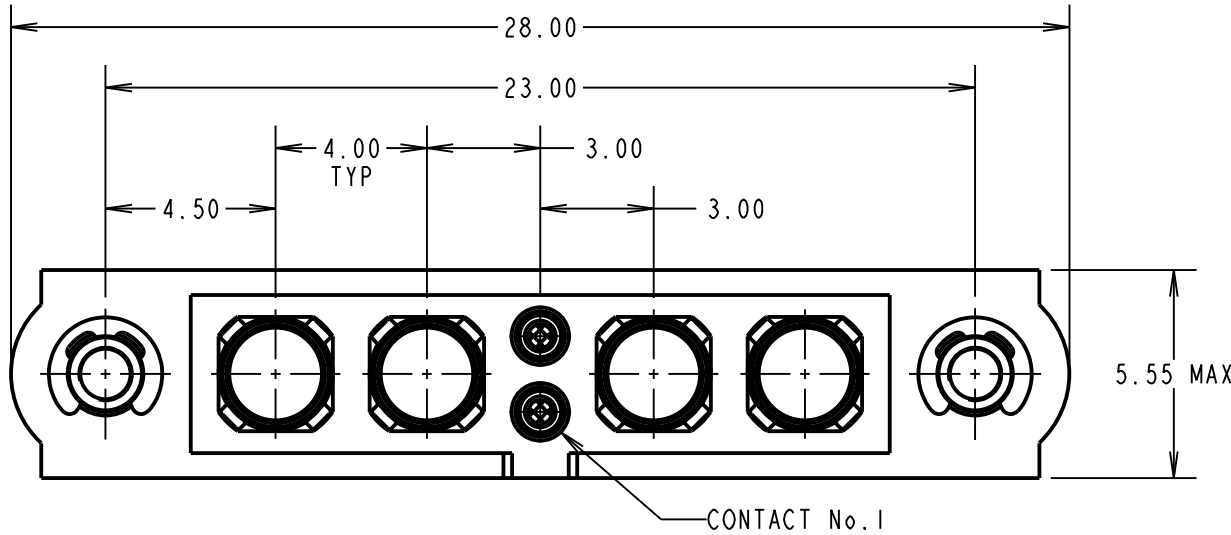
TEMPERATURE RANGE = -55°C TO +125°C

### PACKING:

BAG

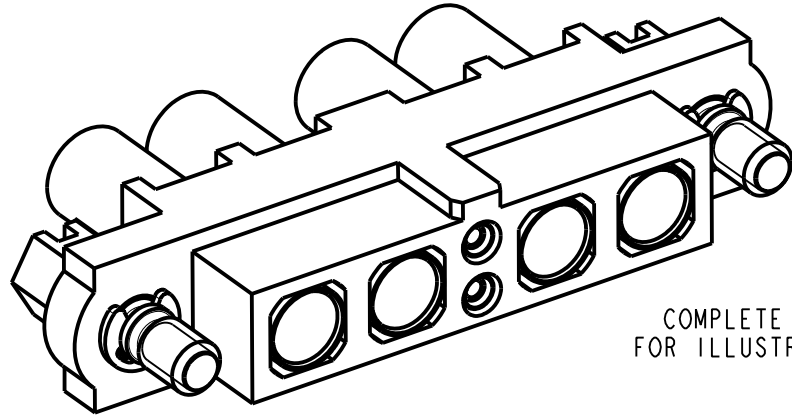
FOR COMPLETE SPECIFICATION SEE COMPONENT

SPECIFICATION C005XX (LATEST ISSUE)



### NOTES:

- CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
- FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-0110001.
- RECOMMENDED SIGNAL WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 22 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. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
- SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. REFER TO TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.
- 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.



COMPLETE ASSEMBLY  
FOR ILLUSTRATION ONLY

**HARWIN**

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### TOLERANCES

X. = ±1mm  
X.X = ±0.25mm  
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 FEMALE ASSEMBLY

### DRAWING NUMBER:

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### SHT

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SB	I	09.04.14	----
NAME	ISS.	DATE	C/NOT
APPROVED:		S.BENNETT	
CHECKED:		S.FLOWER	
DRAWN:		S.BENNETT	
CUSTOMER REF.:			
ASSEMBLY DRG:			