

# Customer Information Sheet

DRAWING No.: M80-4C11805F2-02-309-02-309

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 = BERYLIUM COPPER

SHELL = COPPER ALLOY

### COAX CONTACT:

BODY, SLEEVE, END PLUG = COPPER ALLOY

INNER CONTACT, LATCHING COLLAR = BERYLIUM COPPER

INSULATORS = PTFE

JACKSCREW, CIRCLIP = STAINLESS STEEL

### FINISH:

#### SIGNAL CONTACT:

CLIP = 0.3µ GOLD OVER NICKEL

SHELL = 0.25-0.3µ GOLD OVER NICKEL

#### COAX CONTACT:

BODY, SLEEVE, INNER CONTACT = 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

#### COAX CONTACT:

FREQUENCY RANGE = 6GHz

IMPEDANCE = 50Ω

V.S.W.R = 1.05 + (0.04 x FREQUENCY) GHz MAX

CONTACT RESISTANCE = 6mΩ MAX

INSULATION RESISTANCE = 10<sup>6</sup>MΩ @250V AC

OPERATING VOLTAGE = 180V AC @ 500mA

MAXIMUM VOLTAGE = 1000V AC

### MECHANICAL:

DURABILITY = 500 OPERATIONS

#### SIGNAL CONTACT:

INSERTION FORCE = 2.0N MAX

WITHDRAWAL FORCE = 0.2N MIN

#### COAX CONTACT:

INSERTION FORCE = 8N MAX

WITHDRAWAL FORCE = 0.5N MIN

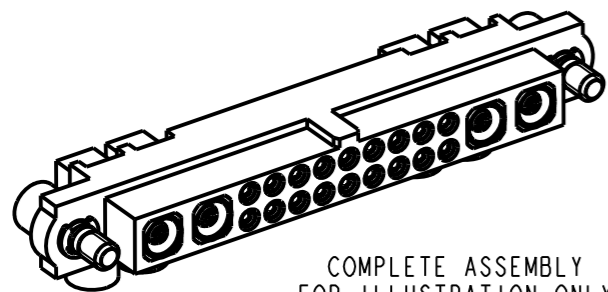
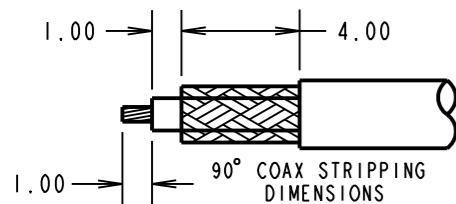
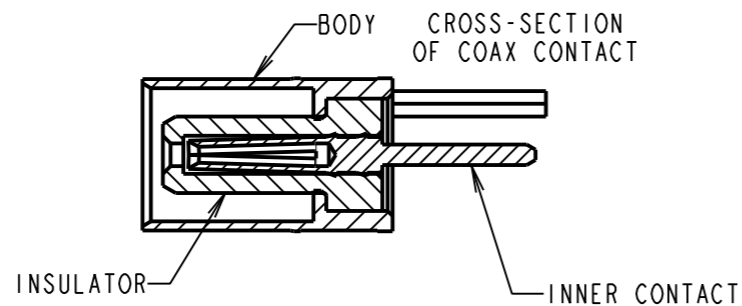
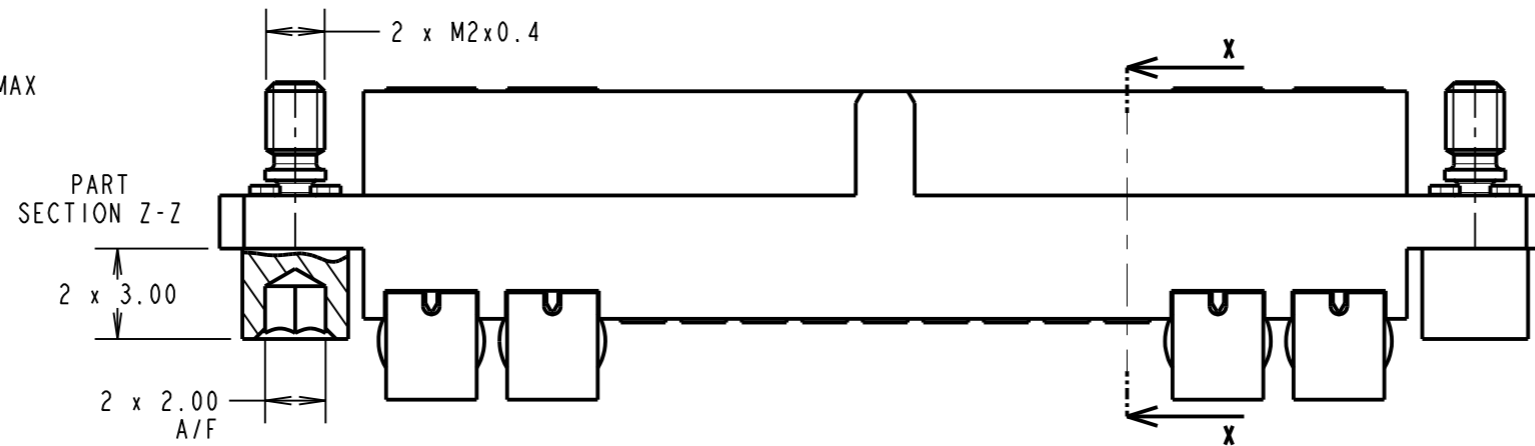
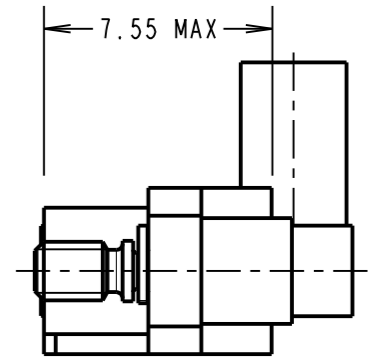
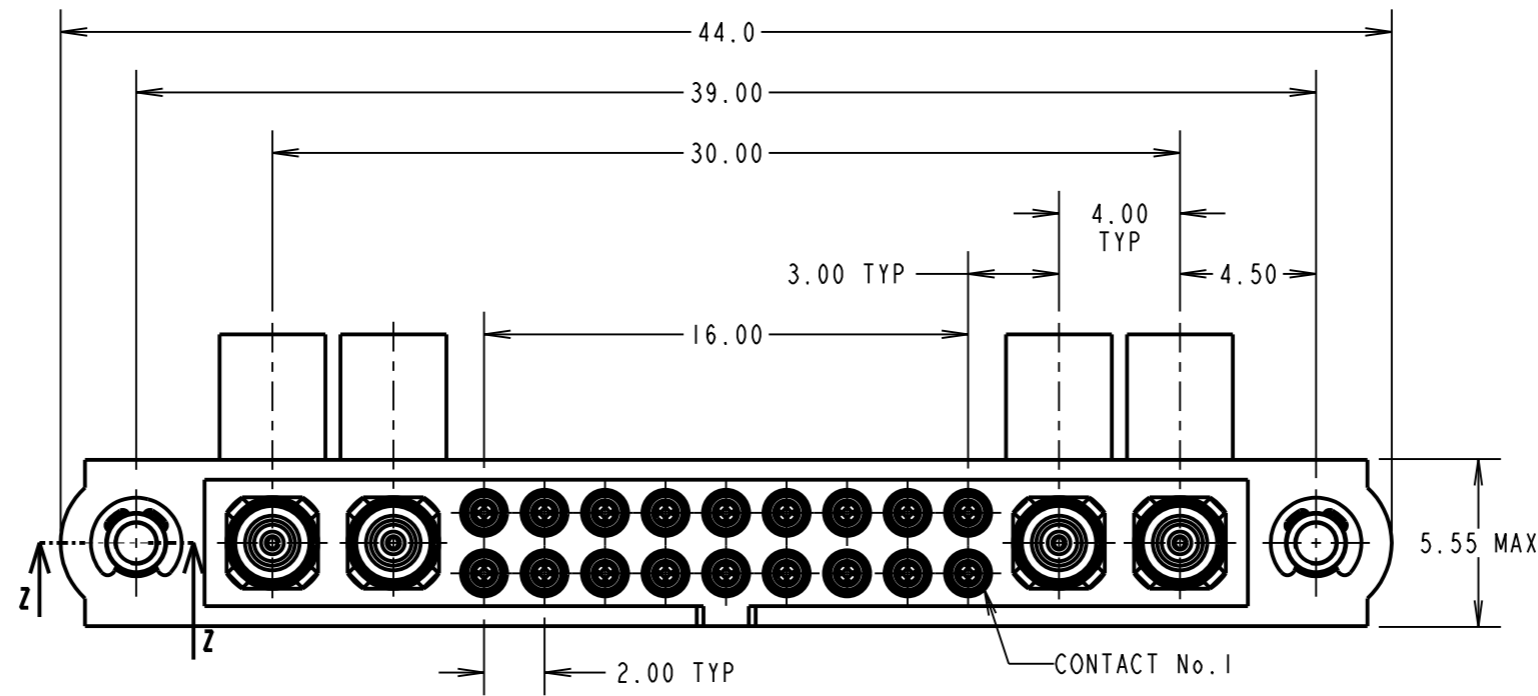
### ENVIRONMENTAL:

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 M80-0130005.
- 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. 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.
- COAX CONTACT IS SUPPLIED AS A KIT OF PARTS: BODY, MAIN INSULATOR, INNER CONTACT AND LATCHING COLLAR ARE PRE-ASSEMBLED AND SLEEVE AND INSULATED END PLUG ASSEMBLY ARE SEPARATE.
- FOR EXTRA COAX CONTACTS, USE PART NUMBER M80-309.
- COAX CONTACT EXTRACTION TOOL = Z80-290.
- INSTRUCTION SHEETS ARE AVAILABLE.

MSP	1	20.06.17	----
NAME	ISS.	DATE	C/NOTE
APPROVED: M.PERREN			
CHECKED: S.BENNETT			
DRAWN: M.PERREN			
CUSTOMER REF.:			
ASSEMBLY DRG:			

# 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

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