

# Customer Information Sheet

DRAWING No.: M80-5T10422M1-01-311-01-311

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: PHOSPHOR BRONZE

COAX CONTACT:

BODY = COPPER ALLOY

INNER CONTACT = PHOSPHOR BRONZE

INSULATOR = PTFE

JACKSCREW: STAINLESS STEEL

### FINISH:

SIGNAL CONTACT:

0.75  $\mu$  GOLD ON CONTACT AREA,

3  $\mu$  TIN/LEAD ON TAILS

COAX CONTACT: BODY, INNER CONTACT = GOLD

### 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

COAX CONTACT:

FREQUENCY RANGE = 6GHz

IMPEDANCE = 50  $\Omega$

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

CONTACT RESISTANCE 6 m $\Omega$  MAX

INSULATION RESISTANCE = 10<sup>6</sup>M $\Omega$  @250V AC

OPERATING VOLTAGE = 180V AC @ 500mA

MAXIMUM VOLTAGE = 1000V AC

### MECHANICAL:

DURABILITY = 500 OPERATIONS

SIGNAL CONTACT:

INSERTION FORCE = 2.8N MAX

WITHDRAWAL FORCE = 0.2N MIN

COAX CONTACT:

INSERTION FORCE = 5N MAX

WITHDRAWAL FORCE = 0.5N MIN

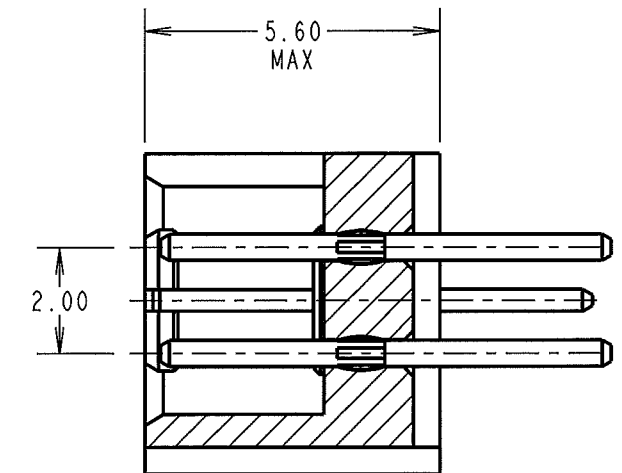
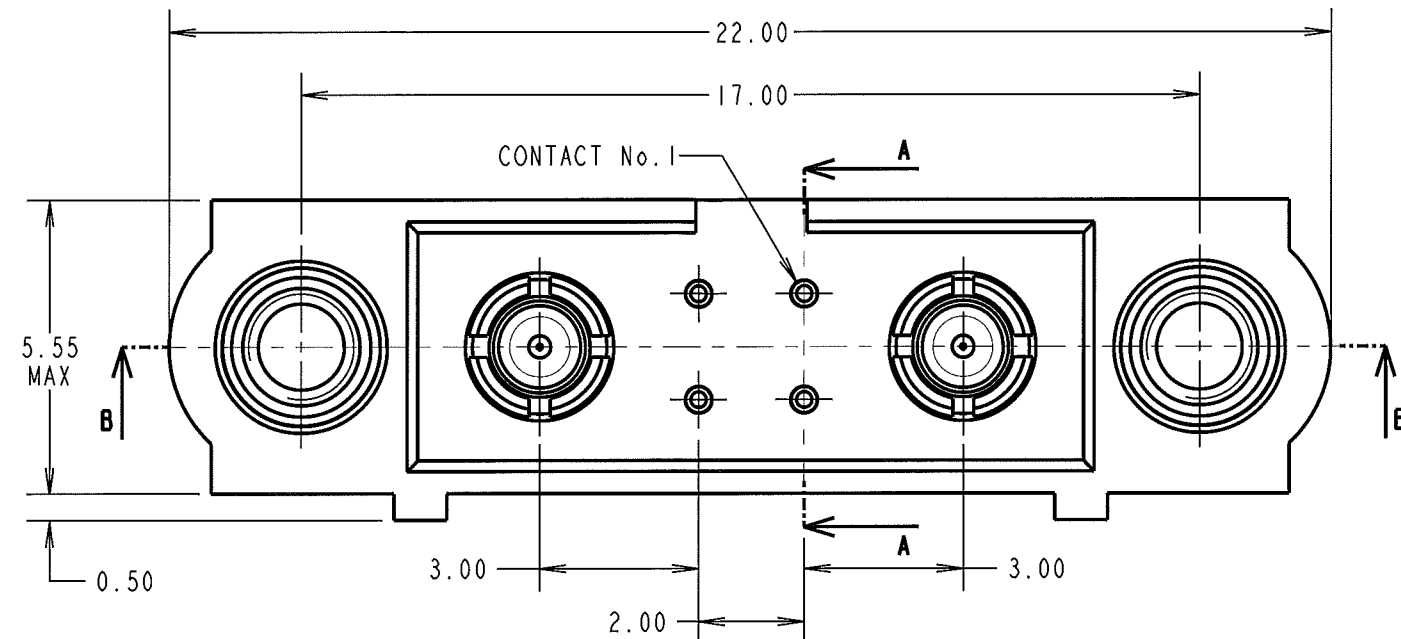
### ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

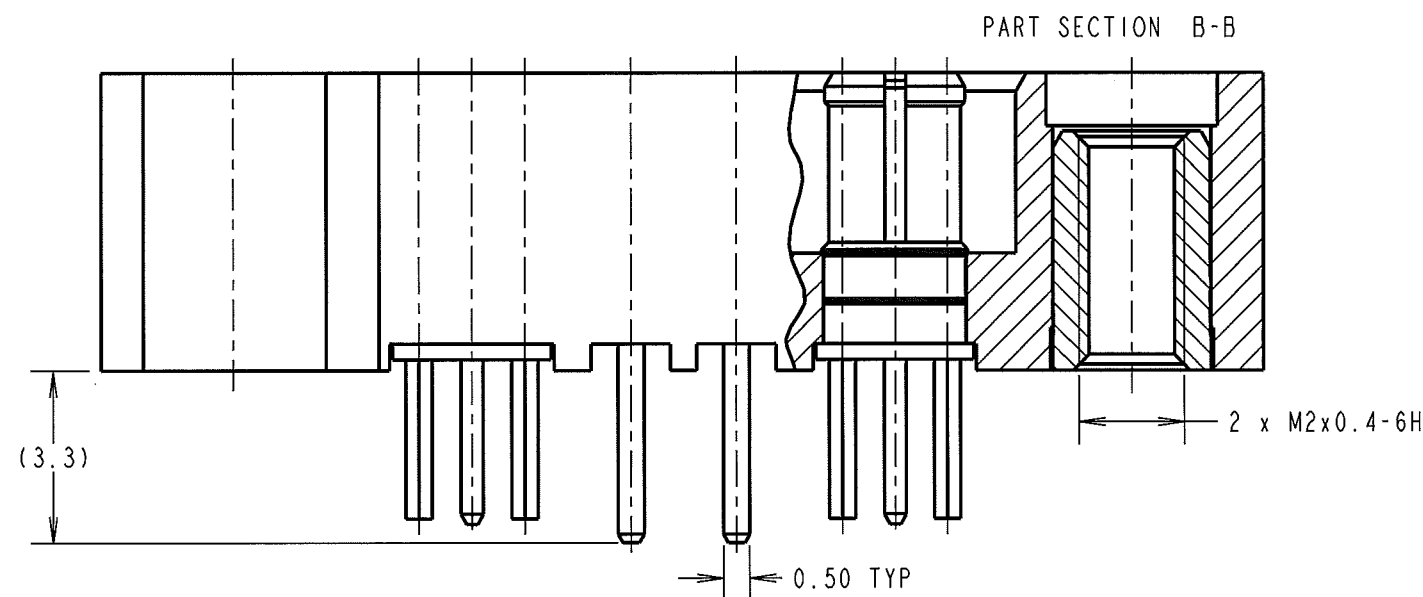
### PACKING:

TRAY

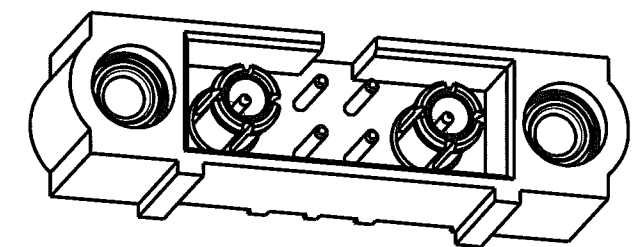
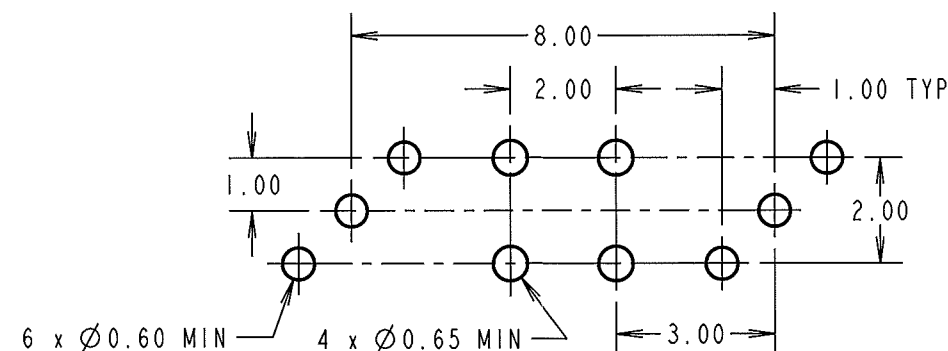
FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)



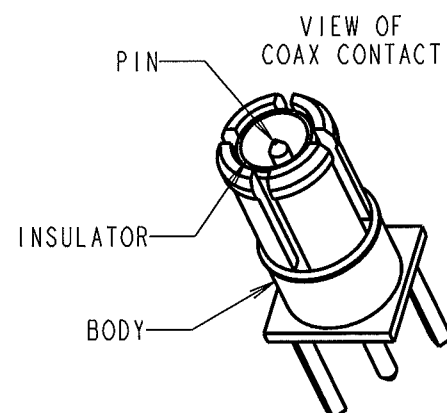
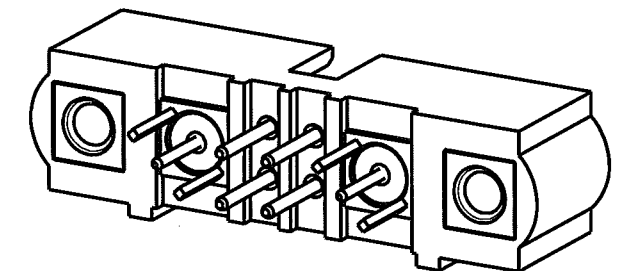
SECTION A-A



RECOMMENDED PCB LAYOUT



SCALE 3.5



**HARWIN**

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### TOLERANCES

X. =  $\pm 1$ mm  
X.X =  $\pm 0.25$ mm  
X.XX =  $\pm 0.10$ mm  
X.XXX =  $\pm 0.01$ mm

ANGLES =  $\pm 5^\circ$

UNLESS STATED

### MATERIAL:

SEE ABOVE

### FINISH:

SEE ABOVE

### S/AREA:

mm<sup>2</sup>

TITLE: JACKSCREW DATAMATE  
MIXED TECHNOLOGY  
PC TAIL MALE ASSEMBLY

DRAWING NUMBER:

M80-5T10422M1-01-311-01-311

SF	A	08.01.09	----
NAME	ISS.	DATE	C/NOTE
APPROVED:			
CHECKED:			
DRAWN:		S.FLOWER	
CUSTOMER REF.:			
ASSEMBLY DRG:			

SHT  
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