

# Customer Information Sheet

DRAWING No.: M80-5T10222M2-02-331-02-331

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  
POWER CONTACT: COPPER ALLOY  
BOARD-MOUNT JACKSCREW, NUT: STAINLESS STEEL

### FINISH:

SIGNAL CONTACT:  
0.75 $\mu$  GOLD ON CONTACT AREA,  
3 $\mu$  90/10 TIN/LEAD ON TAILS  
POWER CONTACT: GOLD

### ELECTRICAL:

WORKING VOLTAGE = 800V AC/DC  
VOLTAGE PROOF = 1200V 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 = 25m $\Omega$  MAX

POWER CONTACT:  
CONTACT RESISTANCE 6m $\Omega$  MAX  
CURRENT RATING = 20A MAX

### MECHANICAL:

DURABILITY = 500 OPERATIONS

SIGNAL CONTACT:  
INSERTION FORCE = 2.0N MAX  
WITHDRAWAL FORCE = 0.2N MIN

POWER CONTACT:  
INSERTION FORCE = 8.0N MAX  
WITHDRAWAL FORCE = 0.5N MIN

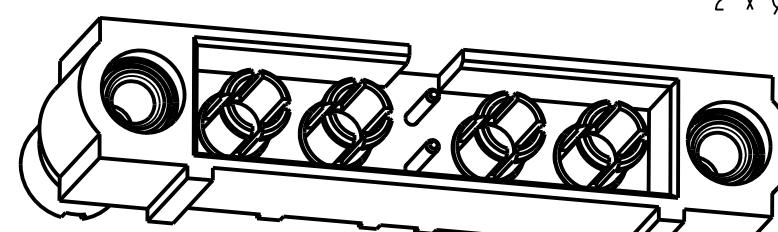
ENVIRONMENTAL:  
TEMPERATURE RANGE = -55°C TO +125°C

### PACKING:

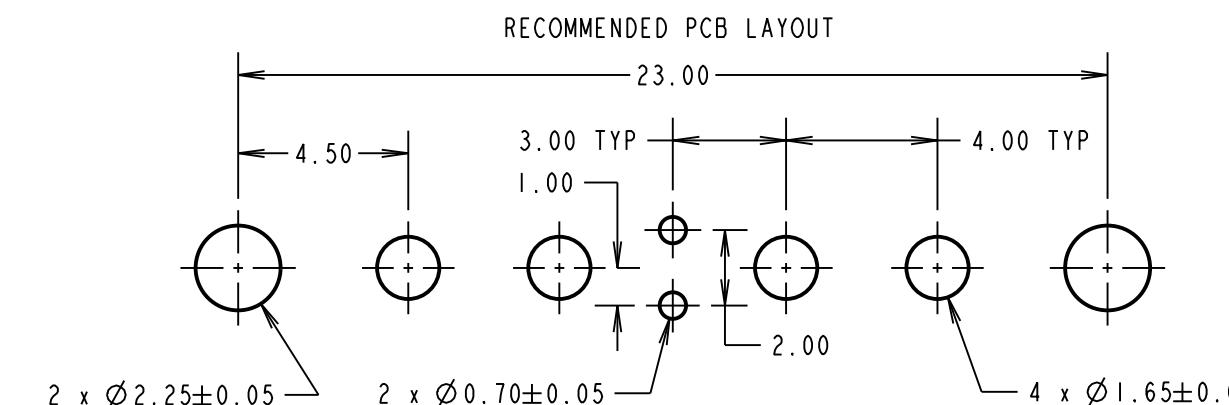
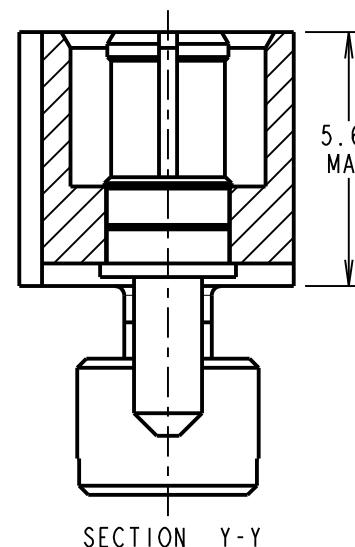
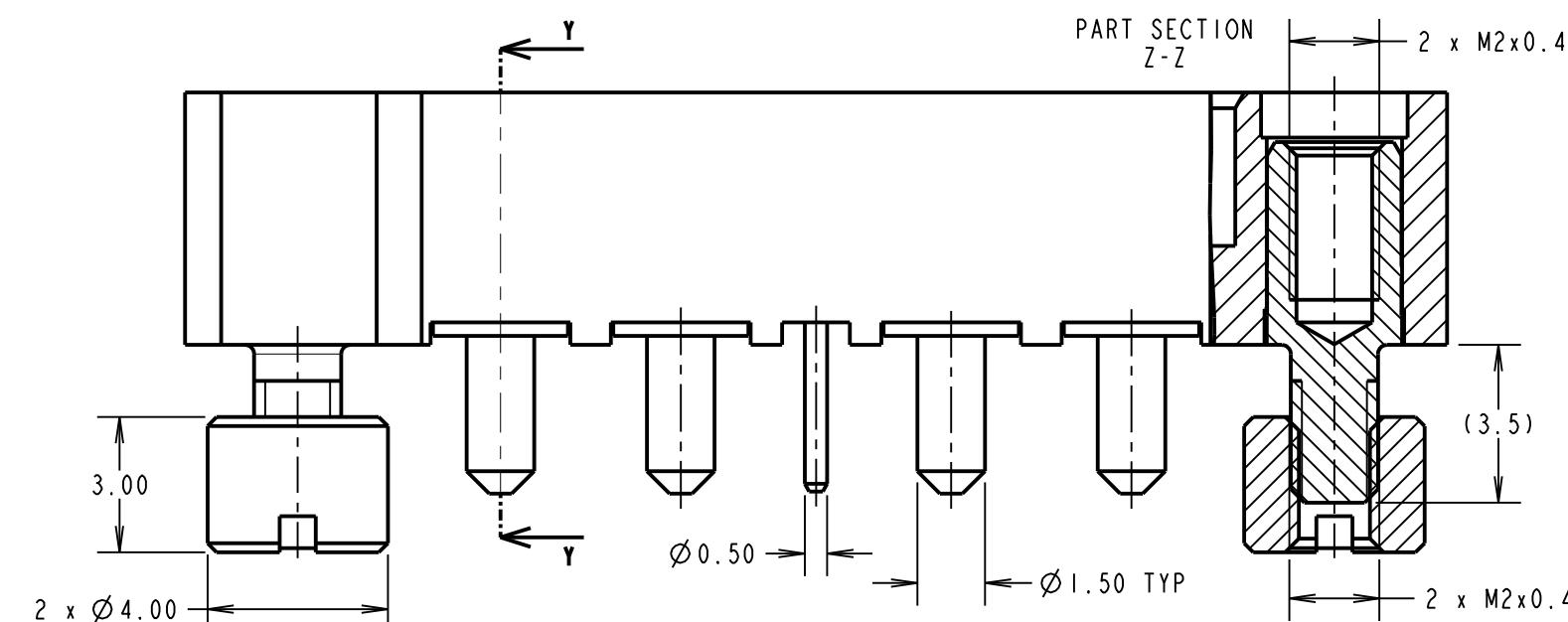
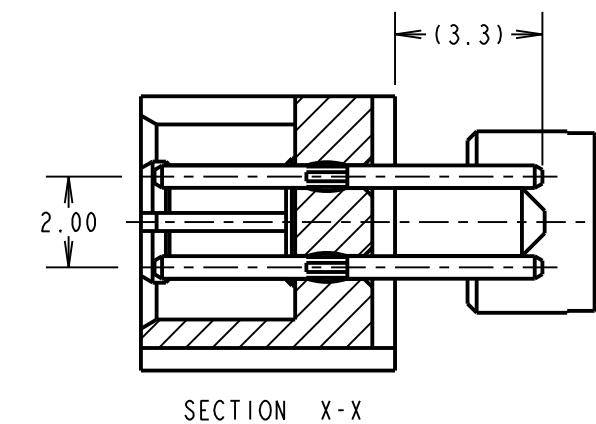
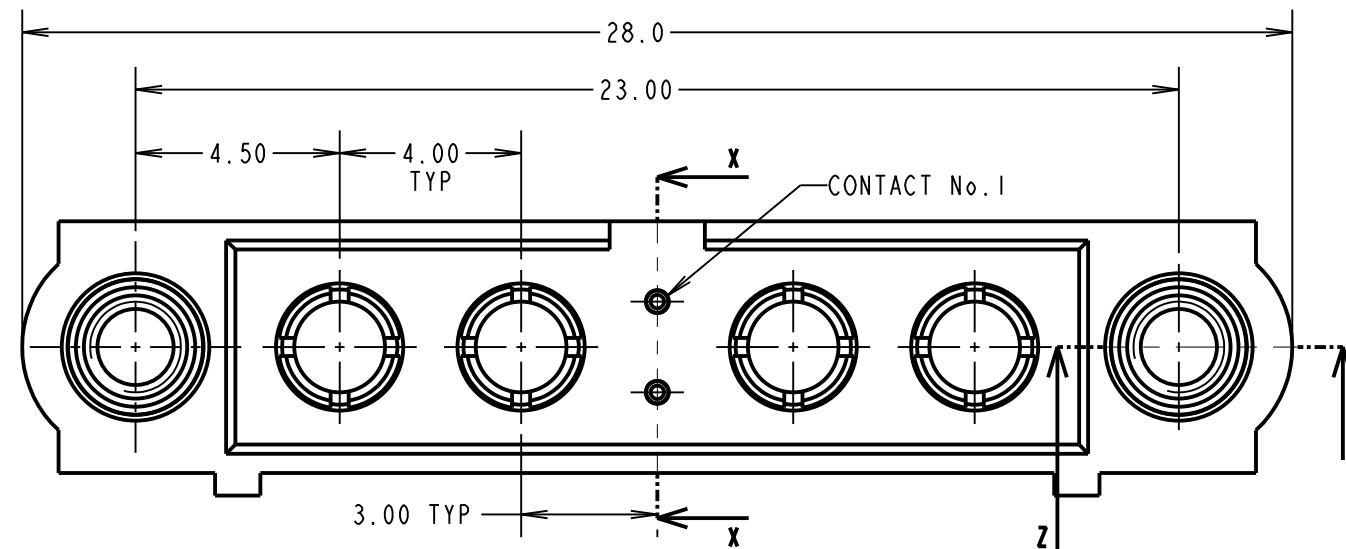
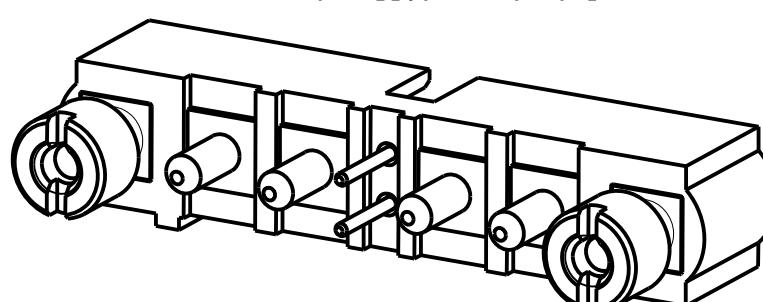
TUBE

FOR COMPLETE SPECIFICATION SEE COMPONENT  
SPECIFICATION C005XX (LATEST ISSUE)

NOTE:  
1. CONNECTORS ARE SUPPLIED WITH  
NUTS LOOSE.



COMPLETE ASSEMBLY SHOWN  
FOR ILLUSTRATION ONLY



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### TOLERANCES

X. =  $\pm 1$ mm  
X.X =  $\pm 0.50$ 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 VERTICAL  
PC TAIL MALE ASSEMBLY  
DRAWING NUMBER: M80-5T10222M2-02-331-02-331  
SHT 2 OF 2

FM	2	06.10.17	13269
NAME	ISS.	DATE	C/NOTE
APPROVED:	F. MCGOWAN		
CHECKED:	S. BENNETT		
DRAWN:	R. ADDE		
CUSTOMER REF.:			
ASSEMBLY DRG.:			