

# Customer Information Sheet

DRAWING No.: M80-5T10242MC-00-000-02-331

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: PHOSPHOR BRONZE  
 POWER CONTACT: COPPER ALLOY

**FINISH:**  
 SIGNAL CONTACT:  
 0.75µm GOLD ON CONTACT AREA,  
 3µm 100% TIN OVER NICKEL ON TAILS  
 POWER CONTACT: GOLD

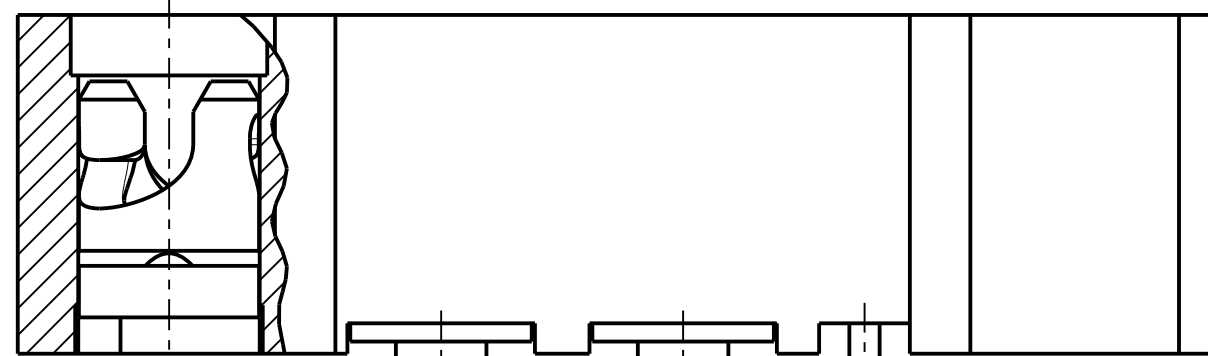
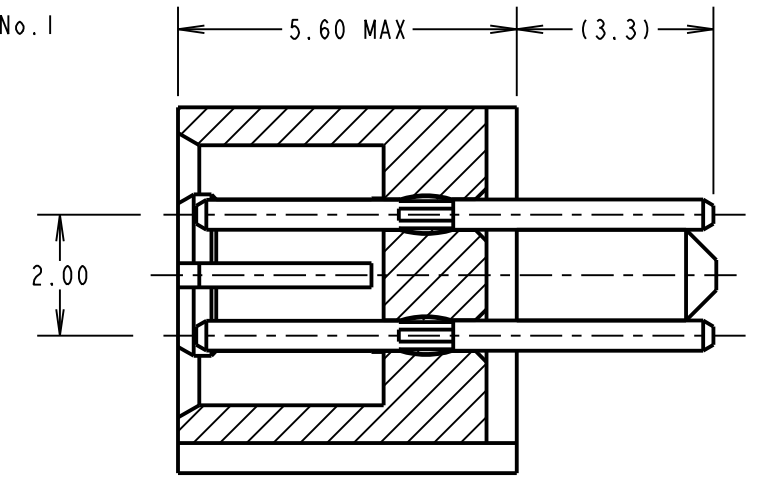
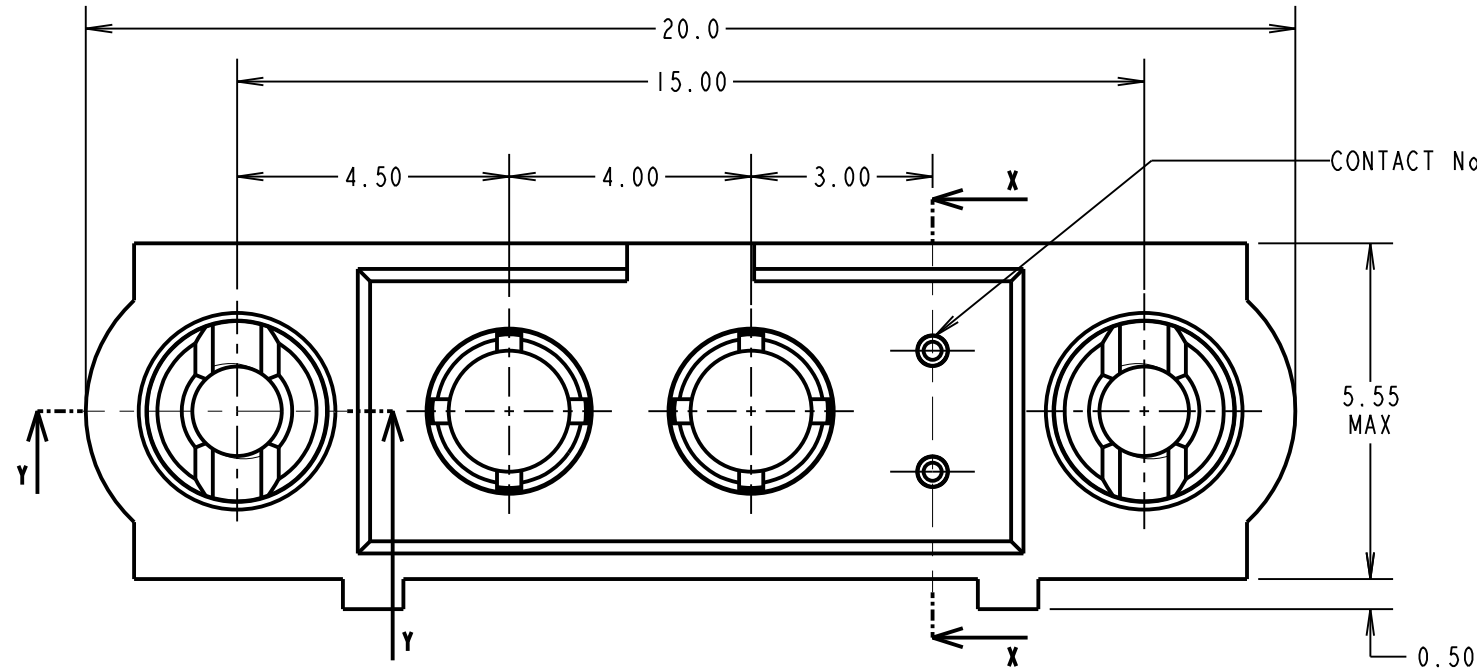
**ELECTRICAL:**  
 WORKING VOLTAGE = 800V AC/DC  
 VOLTAGE PROOF = 1200V AC/DC  
 INSULATION RESISTANCE = 100MΩ MIN  
 SIGNAL CONTACT:  
 CURRENT RATING AT 25°C = 3.0A MAX  
 CURRENT RATING AT 85°C = 2.2A MAX  
 CONTACT RESISTANCE = 25mΩ MAX  
 POWER CONTACT:  
 CONTACT RESISTANCE 6mΩ MAX  
 CURRENT RATING = 20A MAX

**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

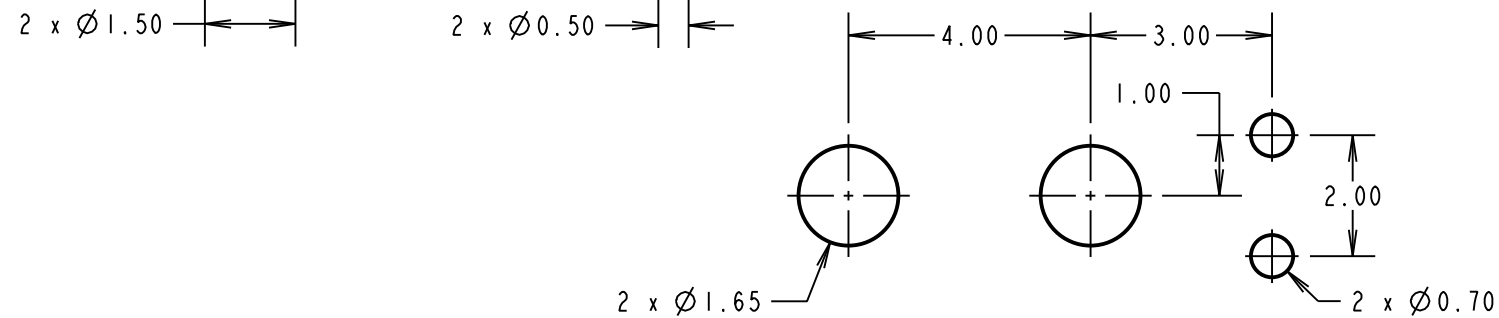
**ENVIRONMENTAL:**  
 TEMPERATURE RANGE = -55°C TO +125°C

**PACKING:**  
 TUBE

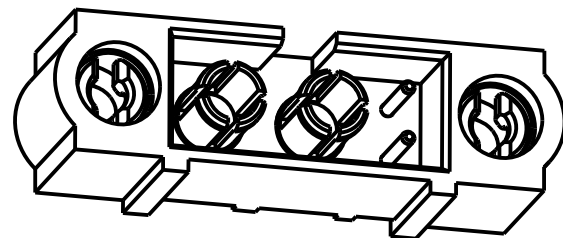
FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)



PART SECTION Y-Y



RECOMMENDED PCB LAYOUT - TOLERANCE ±0.05mm



MGP	3	25.03.21	30443
NAME	ISS.	DATE	CN/CO
APPROVED: MGP			
CHECKED: RTP			
DRAWN: S. MCCULLAGH			
CUSTOMER REF.:			
ASSEMBLY DRG:			

# HARWIN

www.harwin.com  
 technical@harwin.com

THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION.

**TOLERANCES**  
 X. = ±1mm  
 X.X = ±0.50mm  
 X.XX = ±0.20mm  
 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 VERTICAL PC TAIL MALE ASSEMBLY

**DRAWING NUMBER:** M80-5T10242MC-00-000-02-331 **SHT** 2 OF 2