

Customer Information Sheet

DRAWING No.: M80-5L20222M5-02-334-00-000

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, SCREW = STAINLESS STEEL

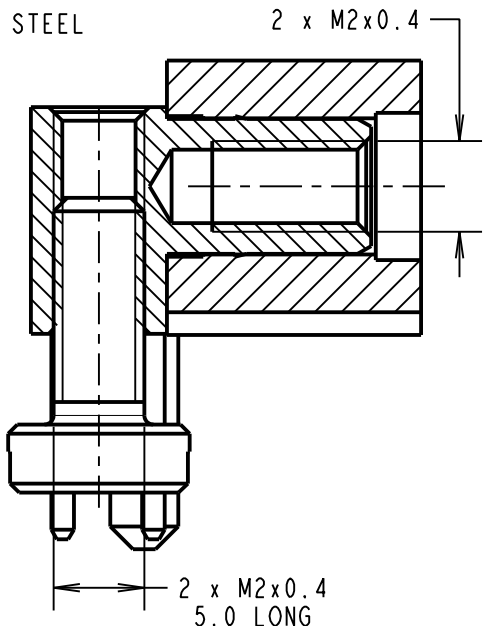
FINISH:
SIGNAL CONTACT:
0.75 μ GOLD ON CONTACT AREA,
3 μ TIN/LEAD ON TAILS
POWER CONTACT = GOLD

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

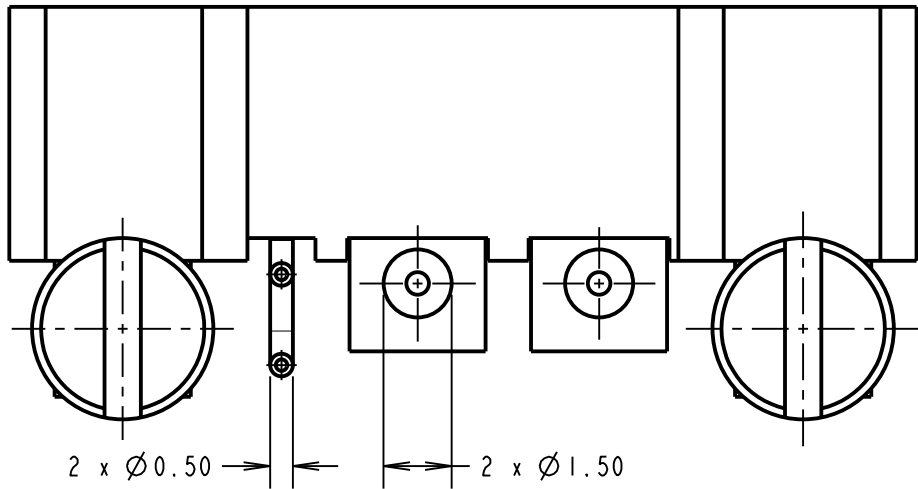
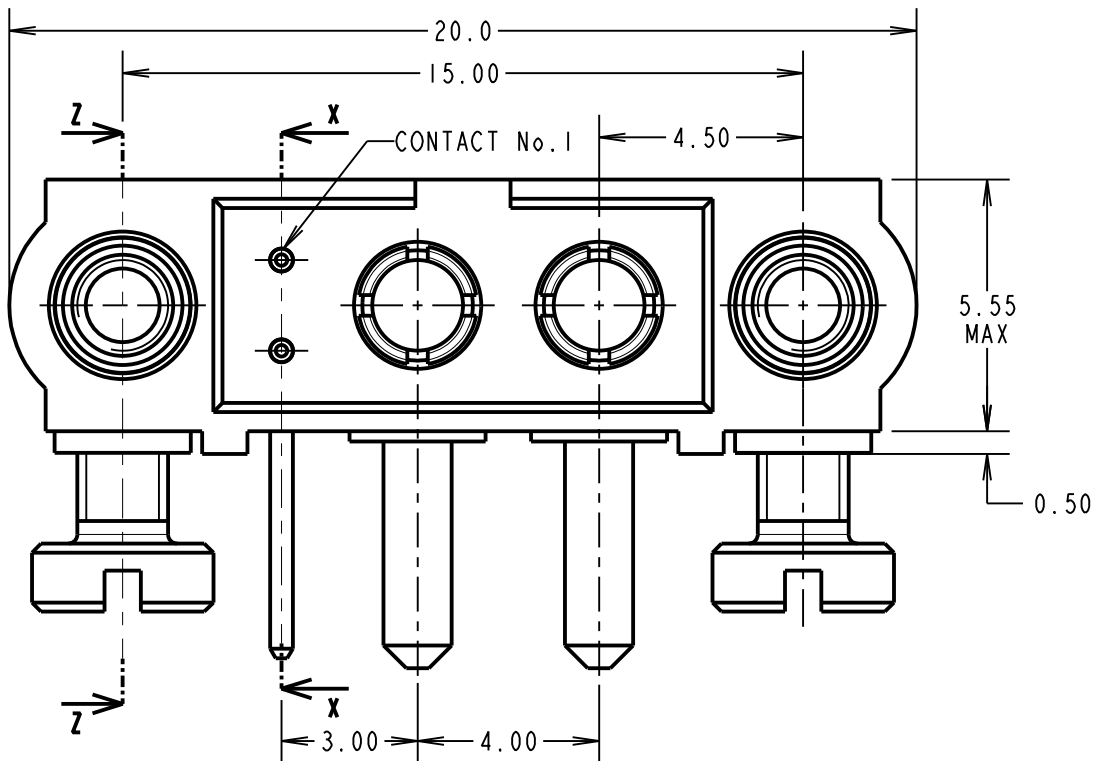
MECHANICAL:
DURABILITY = 500 OPERATIONS
SIGNAL CONTACT:
INSERTION FORCE = 2.0N MAX
WITHDRAWAL FORCE = 0.2N MIN
POWER CONTACT:
INSERTION FORCE = 8N MAX
WITHDRAWAL FORCE = 0.5N MIN

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

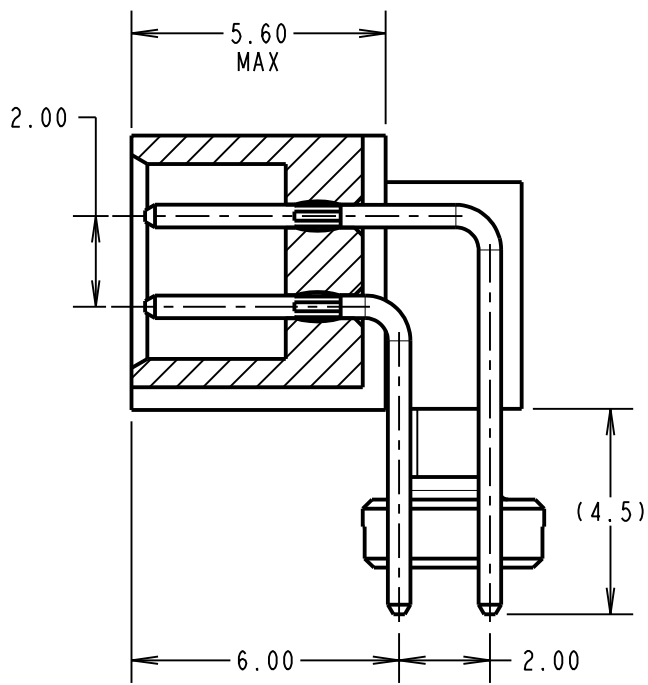
PACKING:
TUBE
FOR COMPLETE SPECIFICATION SEE COMPONENT
SPECIFICATION C005XX (LATEST ISSUE)



SECTION Z-Z

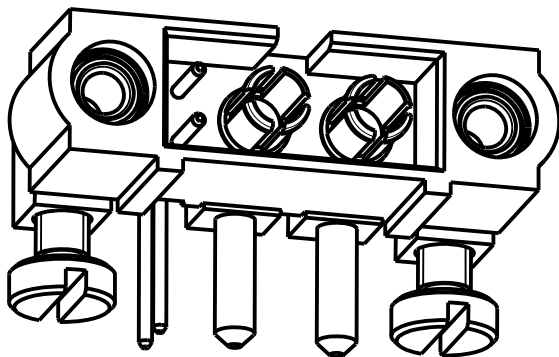


RECOMMENDED PCB LAYOUT

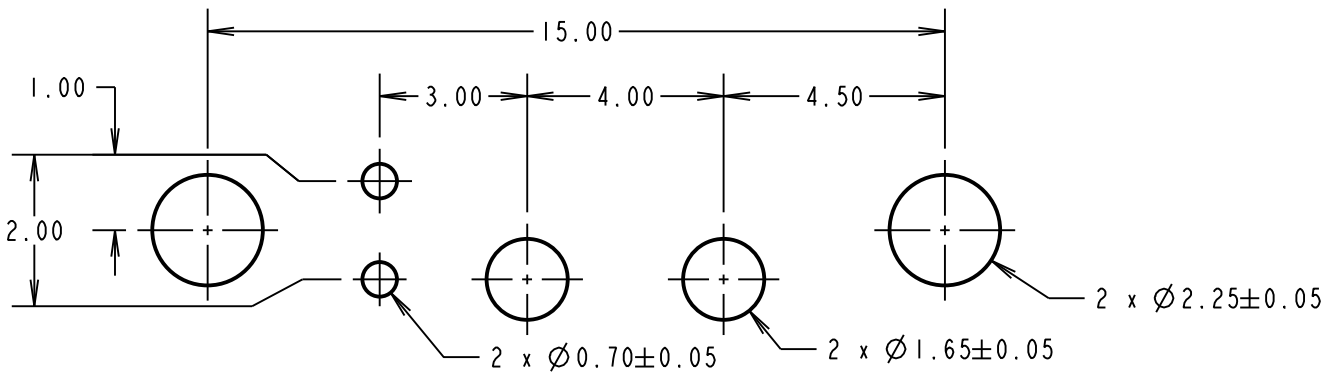
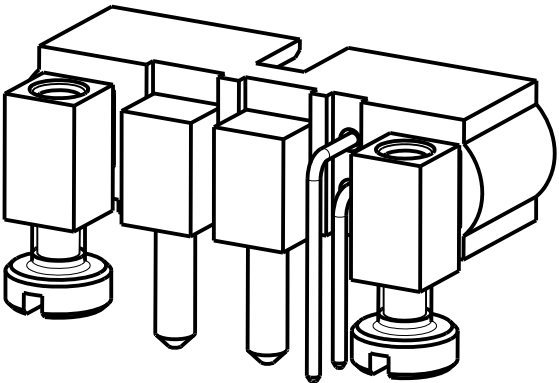
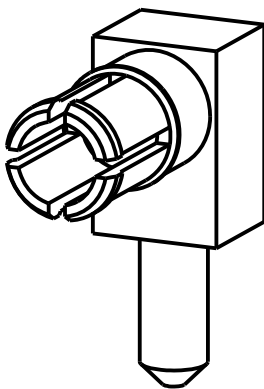


SECTION X-X

NOTE:
1. CONNECTORS ARE SUPPLIED WITH
SCREWS LOOSE.



VIEW OF
POWER CONTACT



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TOLERANCES
X. = ± 1 mm
X.X = ± 0.50 mm
X.XX = ± 0.10 mm
X.XXX = ± 0.01 mm
ANGLES = $\pm 5^\circ$
UNLESS STATED

MATERIAL:
SEE ABOVE
FINISH: SEE ABOVE
S/AREA: mm²

TITLE: JACKSCREW DATAMATE
MIXED TECHNOLOGY
PC TAIL MALE ASSEMBLY

DRAWING NUMBER:
M80-5L20222M5-02-334-00-000

SHT
2 OF 2

FM	2	08.09.17	13269
NAME	ISS.	DATE	C/NOTE
APPROVED: F.MCGOWAN			
CHECKED: S. BENNETT			
DRAWN: M.PERREN			
CUSTOMER REF.:			
ASSEMBLY DRG:			