Customer Information Sheet

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:
   0.75µ GOLD ON CONTACT AREA,
   3µ 100% TIN ON TAILS OVER NICKEL
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 = 25 mΩ MAX
POWER CONTACT:
   CONTACT RESISTANCE 6 mΩ MAX
   CURRENT RATING = 20A MAX

MECHANICAL:
DURABILITY = 500 OPERATIONS
SIGNAL CONTACT:
   INSERTION FORCE = 2.8N MAX
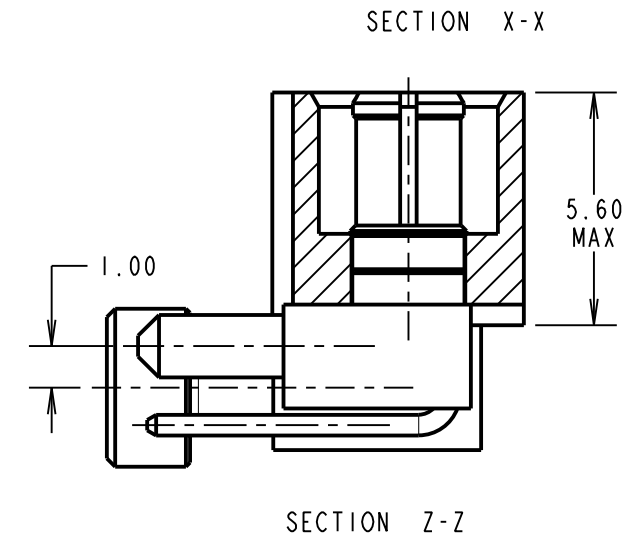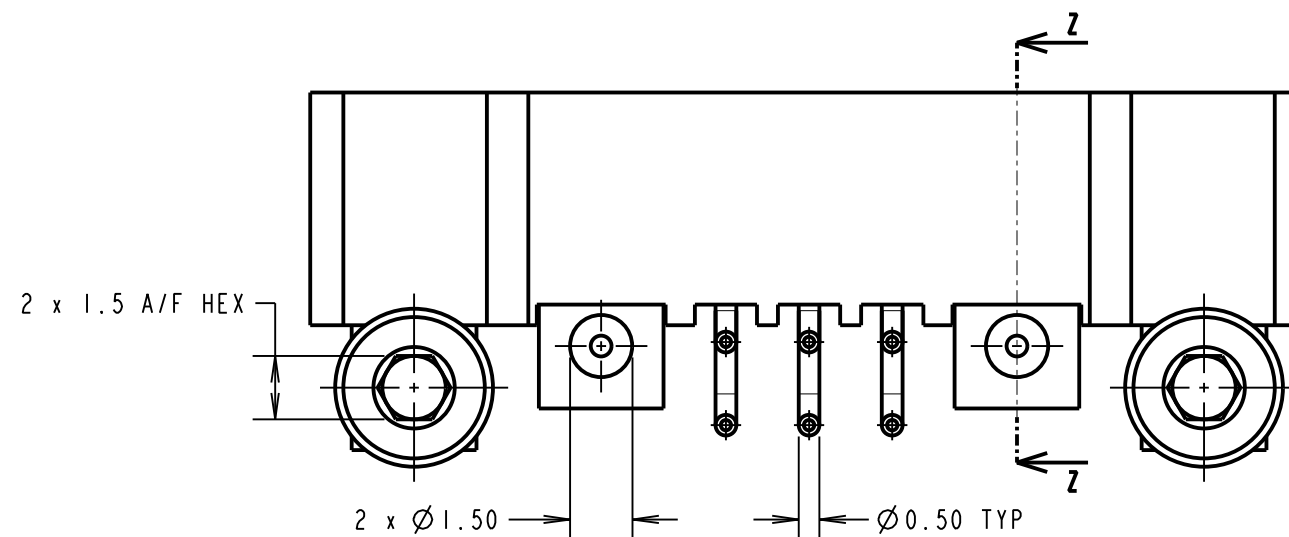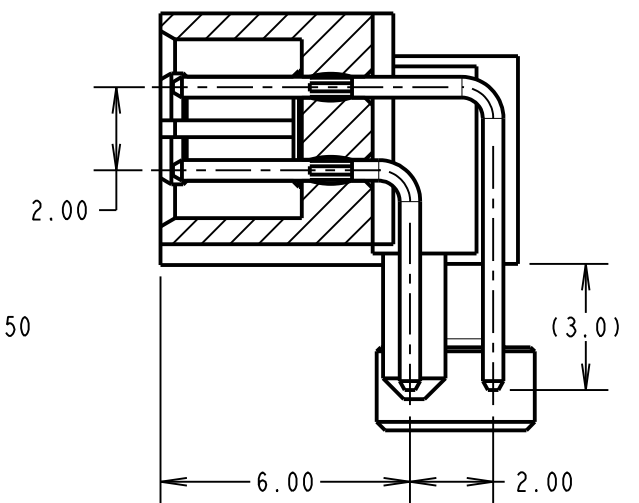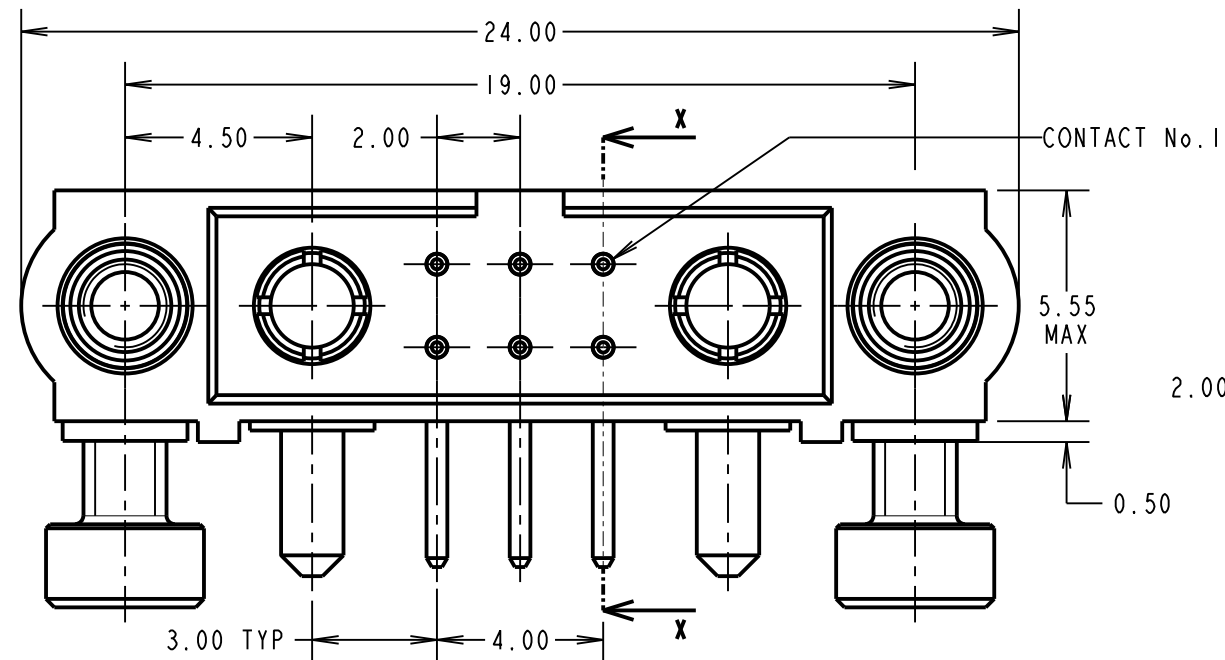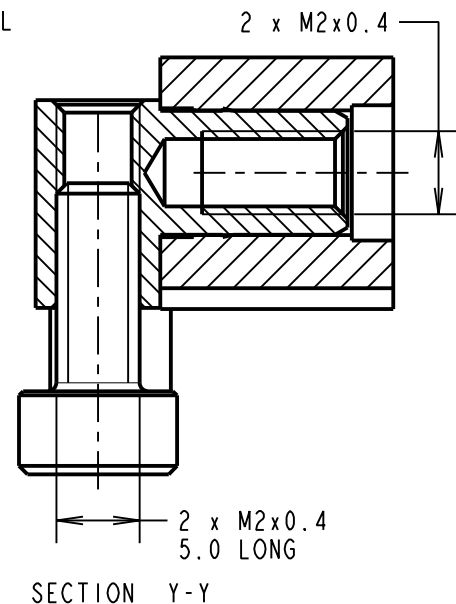   WITHDRAWAL FORCE = 0.2N MIN
POWER CONTACT:
   INSERTION FORCE = 5N MAX
   WITHDRAWAL FORCE = 0.5N MIN

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

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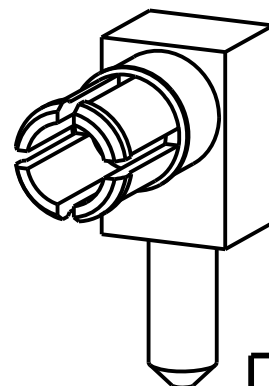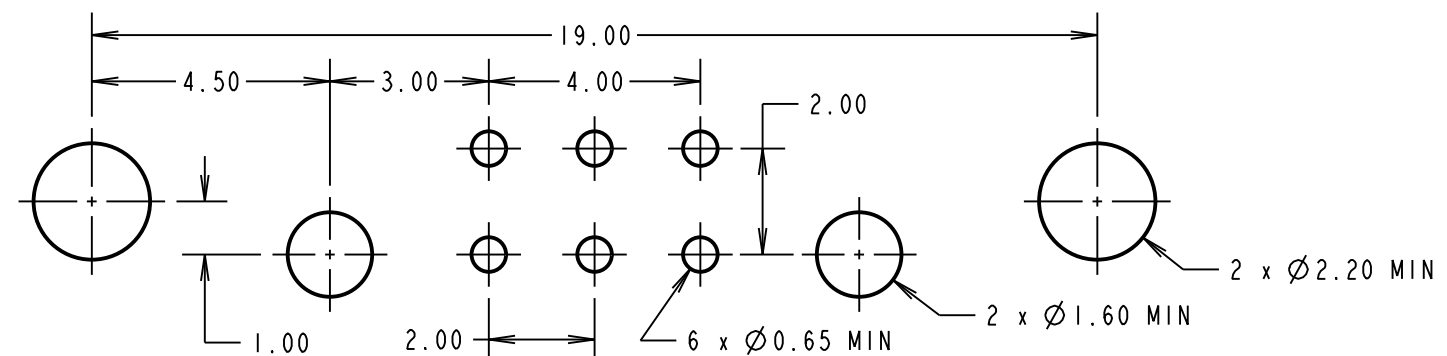FOR COMPLETE SPECIFICATION SEE COMPONENT
SPECIFICATION C005XX (LATEST ISSUE)

SECTION Y-Y

2 x M2x0.4
5.0 LONG

2 x M2x0.4

24.00
19.00
4.50
2.00
CONTACT No.1
5.55 MAX
0.50
3.00 TYP
4.00
X — X

SECTION X-X
2.00
(3.0)
6.00
2.00

2 x 1.5 A/F HEX
Z — Z
2 x Ø1.50
Ø0.50 TYP

SECTION Z-Z
1.00
5.60 MAX

VIEW OF POWER CONTACT

RECOMMENDED PCB LAYOUT
19.00
4.50
3.00
4.00
2.00
2 x Ø2.20 MIN
1.00
2.00
6 x Ø0.65 MIN
2 x Ø1.60 MIN

SF	1	31.10.12	11857
NAME	ISS.	DATE	C/NOTE
APPROVED:	S.FLOWER		
CHECKED:	M.PLESTED		
DRAWN:	R.ADDE		
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: mm²

TITLE: JACKSCREW DATAMATE MIXED TECHNOLOGY HORIZONTAL PC TAIL MALE ASSEMBLY

DRAWING NUMBER:
M80-5L10622M7-01-333-01-333

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