Customer Information Sheet

DRAWING No.: M80-5TI1205MI-04-331-00-000	SHEET 2 OF 2	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
- JACKSCREW: STAINLESS STEEL

FINISH:
- SIGNAL CONTACT:
  - 0.75µ GOLD
- POWER CONTACT: GOLD

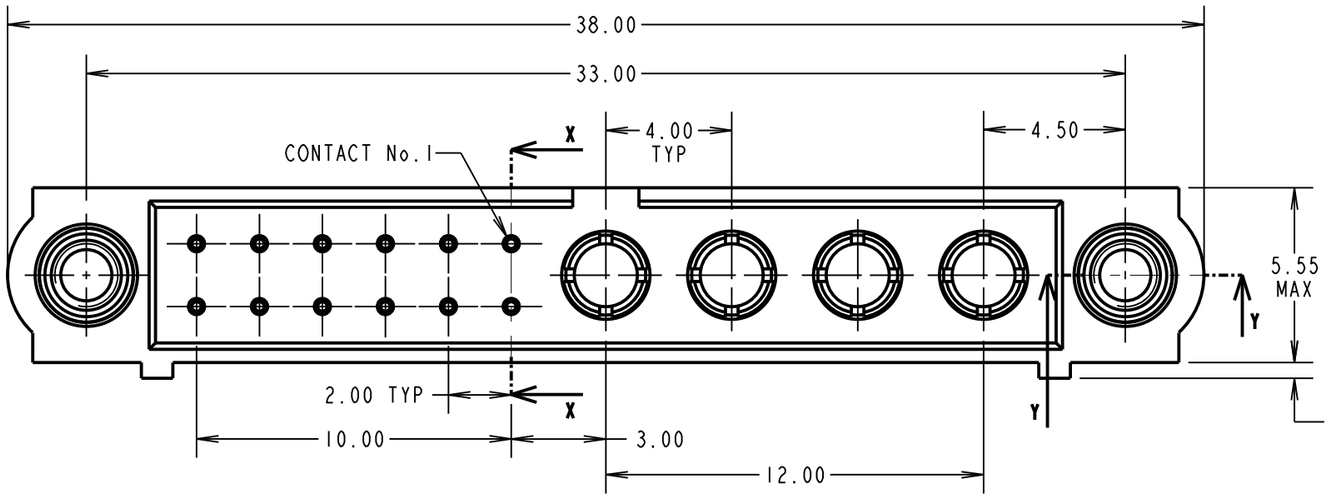
ELECTRICAL:
- WORKING VOLTAGE = 800V AC/DC
- VOLTAGE PROOF = 1200V AC/DC
- INSULATION RESISTANCE = 100MΩ MIN
- SIGNAL CONTACT:
  - CURRENT RATING AT 25°C = 3.0A MAX
  - CURRENT RATING AT 85°C = 2.2A MAX
  - CONTACT RESISTANCE = 25 mΩ MAX
- POWER CONTACT:
  - CONTACT RESISTANCE 6 mΩ MAX
  - CURRENT RATING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

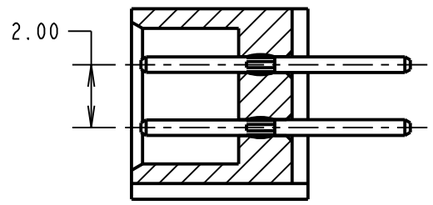
MECHANICAL:
- DURABILITY = 500 OPERATIONS
- SIGNAL CONTACT:
  - INSERTION FORCE = 2.8N MAX
  - WITHDRAWAL FORCE = 0.2N MIN
- POWER CONTACT:
  - INSERTION FORCE = 8N MAX
  - WITHDRAWAL FORCE = 0.5N MIN

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

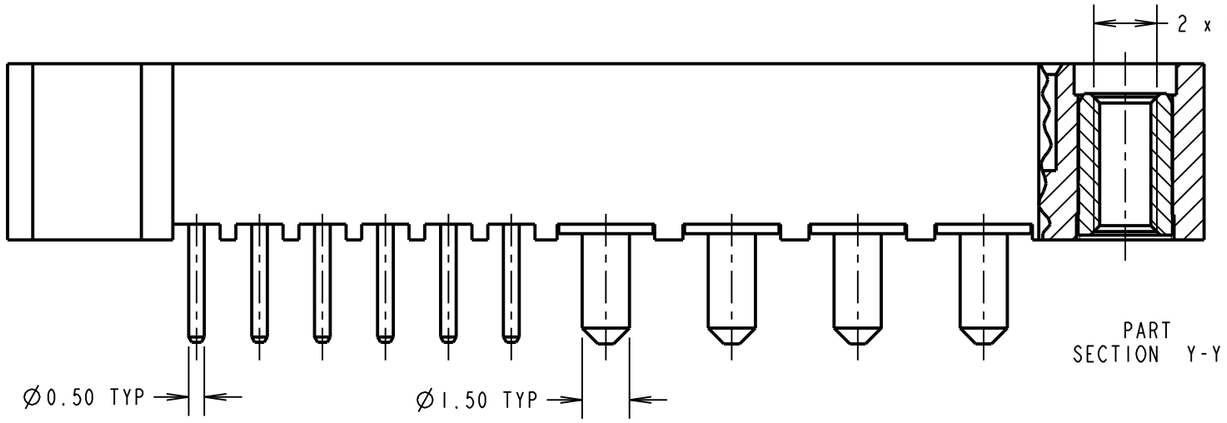
PACKING:
- TUBE

FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)

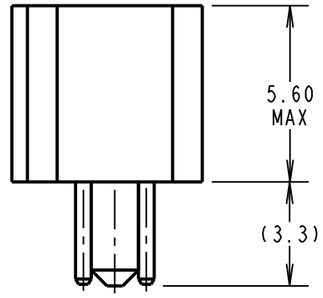


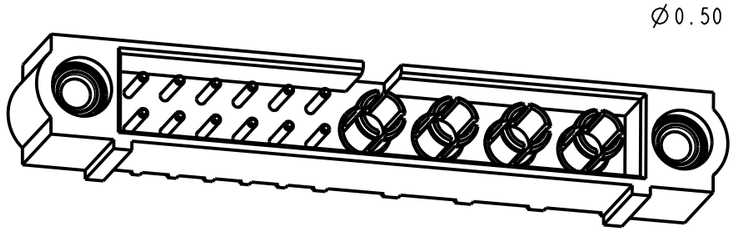


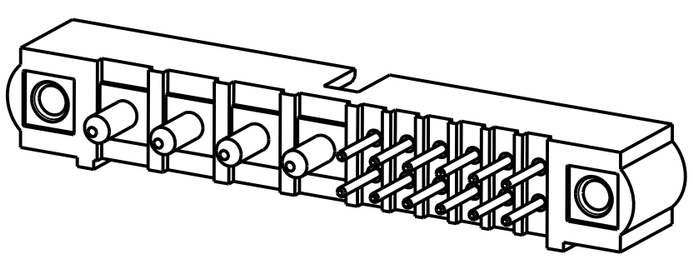
SECTION X-X



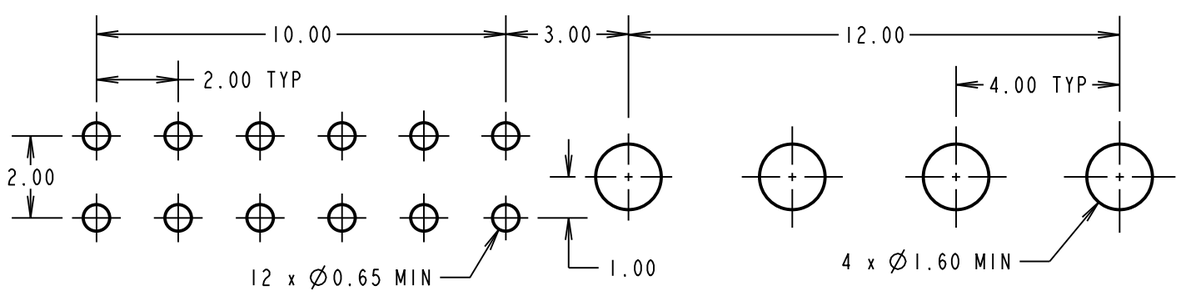
PART SECTION Y-Y







RECOMMENDED PCB LAYOUT



MGP	2	31.01.13	11898
NAME	ISS.	DATE	C/NOTE

APPROVED: MGP
CHECKED: SF
DRAWN: R.ADDE
CUSTOMER REF.:
ASSEMBLY DRG:

HARWiN
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technical@harwin.com

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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: DATAMATE MIX-TEK MALE ASSEMBLY WITH JACKSCREW

DRAWING NUMBER: M80-5TI1205MI-04-331-00-000

SHT 2 OF 2

Mouser Electronics

Authorized Distributor

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Harwin:

M80-5T11205M1-04-331-00-000