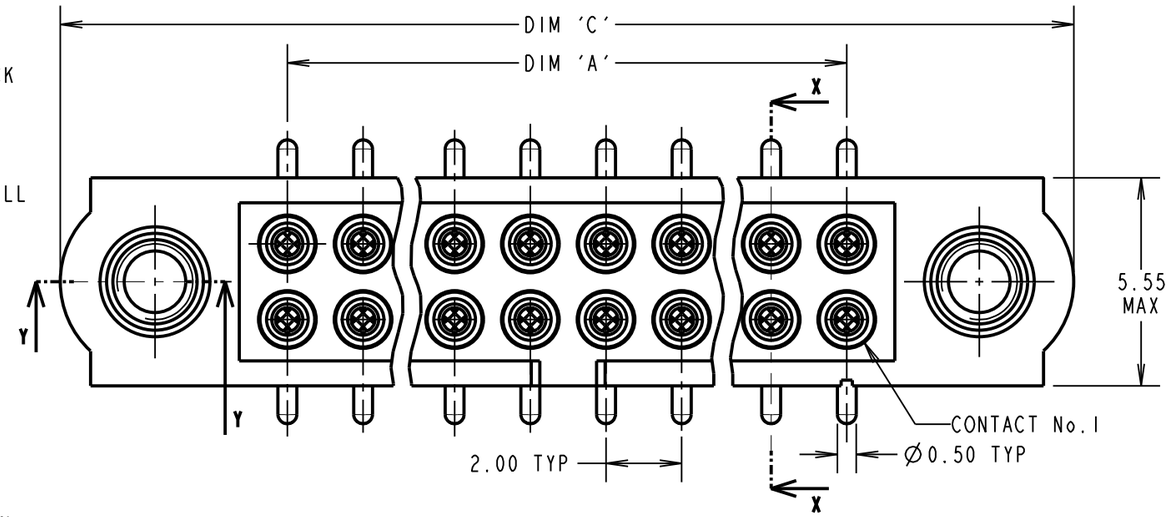
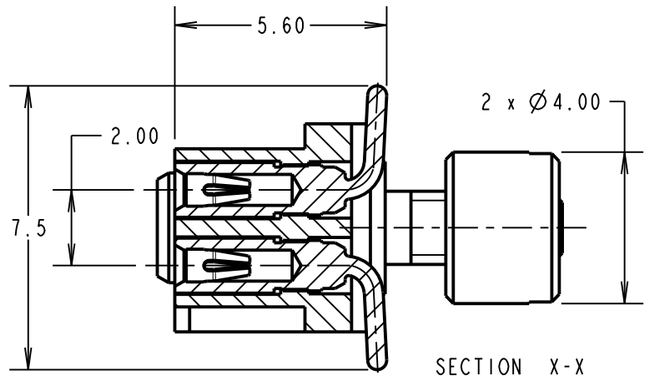
Customer Information Sheet

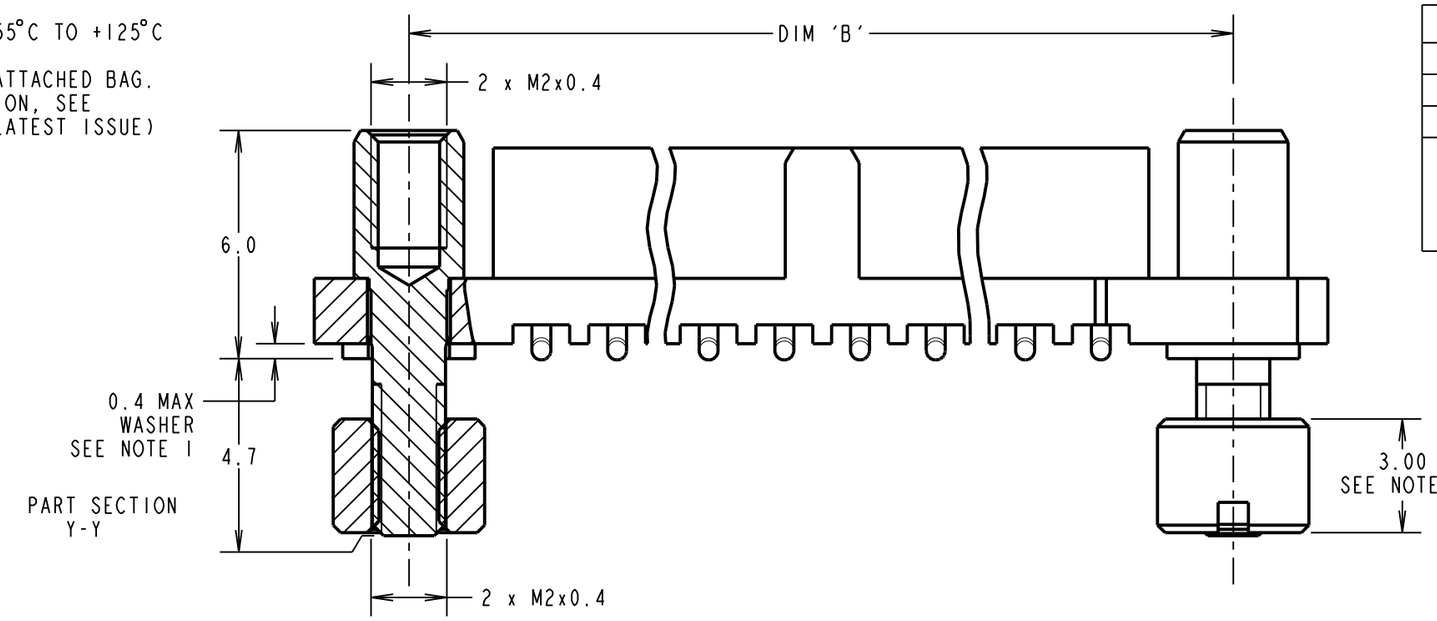
DRAWING No.: M80-4SIXXXXF9	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm

SPECIFICATIONS:
- MATERIAL:
  - MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK
  - CONTACT CLIP = BERYLLIUM COPPER
  - CONTACT SHELL = COPPER ALLOY
  - JACKSCREW, NUT, WASHER = STAINLESS STEEL
- FINISH:
  - 01 = 0.3µ GOLD CLIP, 3.5-5.0µ TIN/LEAD SHELL
  - 05 = 0.3µ GOLD CLIP, 0.25-0.3µ GOLD SHELL
  - 42 = 0.3µ GOLD CLIP, 3.5-5.0µ 100% TIN OVER NICKEL SHELL
- ELECTRICAL:
  - CURRENT RATING AT 25°C = 3.0A MAX
  - CURRENT RATING AT 85°C = 2.2A MAX
  - WORKING VOLTAGE = 800V AC/DC
  - VOLTAGE PROOF = 1200V AC/DC
  - CONTACT RESISTANCE = 25mΩ MAX
  - INSULATION RESISTANCE = 100MΩ MIN
- MECHANICAL:
  - DURABILITY = 500 OPERATIONS
  - INSERTION FORCE (Ø0.5mm GAUGE) = 2.8N MAX
  - WITHDRAWAL FORCE (Ø0.5mm GAUGE) = 0.2N MIN
- ENVIRONMENTAL:
  - TEMPERATURE RANGE = -55°C TO +125°C
- PACKING:
  - TUBE WITH FIXINGS IN ATTACHED BAG.

FOR COMPLETE SPECIFICATION, SEE COMPONENT SPEC C005XX (LATEST ISSUE)







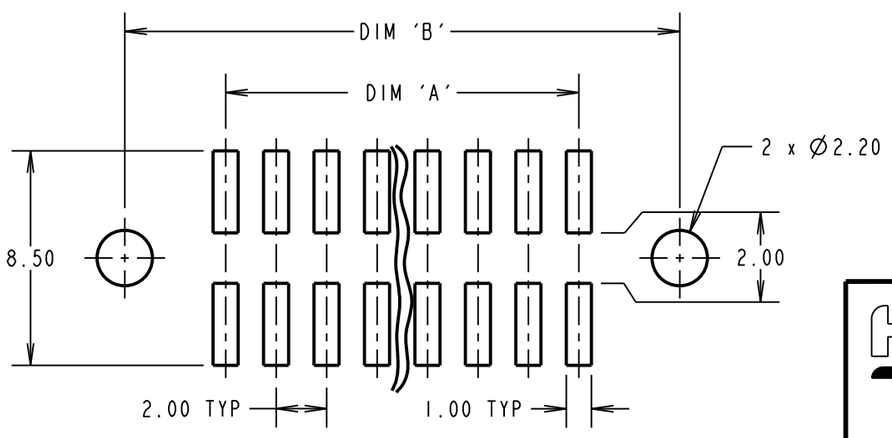
DIMENSION	CALCULATION
DIM 'A'	TOTAL No. OF CONTACTS - 2
DIM 'B'	TOTAL No. OF CONTACTS + 5
DIM 'C'	TOTAL No. OF CONTACTS + 10

EXAMPLE: CONNECTOR WITH 20 CONTACTS, GOLD CLIP AND 100% TIN OVER NICKEL SHELL, M80-4SI2042F9

DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm

NOTES:
1. CONNECTOR IS SUPPLIED WITH BOARD MOUNT NUTS AND WASHERS NOT ASSEMBLED AS SHOWN. SUPPLIED LOOSE IN BAG ATTACHED TO PACKING TUBE.

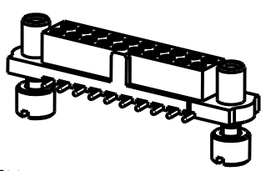
RECOMMENDED PCB LAYOUT



ORDER CODE:
M80-4SIXXXXF9

TOTAL No. OF CONTACTS
04 TO 50
(EVEN NUMBERS ONLY)

FINISH CODE
- 01 - GOLD CLIP, TIN/LEAD SHELL
- 05 - GOLD CLIP, GOLD SHELL
- 42 - GOLD CLIP, 100% TIN OVER NICKEL SHELL



NAME	ISS.	DATE	C/NOTE
MGP	5	02.09.13	12061

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

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TOLERANCES
X. = ±1mm
X.X = ±0.25mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = 2±5°
UNLESS STATED

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

TITLE: DATAMATE J-TEK FEMALE VERTICAL SMT ASSY WITH REV FIX BOARD MOUNT

DRAWING NUMBER: M80-4SIXXXXF9

SHT 2 OF 2