

Customer Information Sheet

DRAWING No.: M80-421XXXX

SHEET 2 OF 2

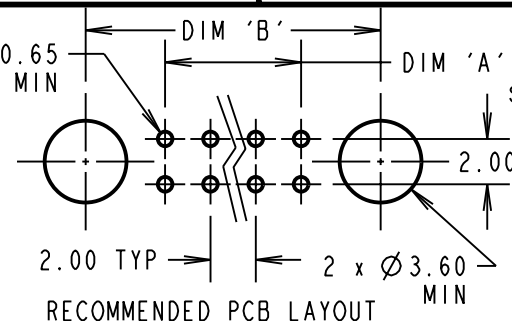
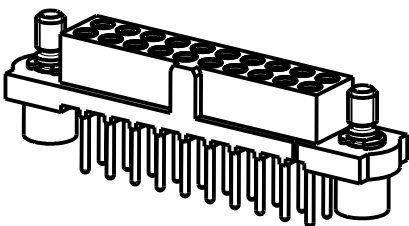
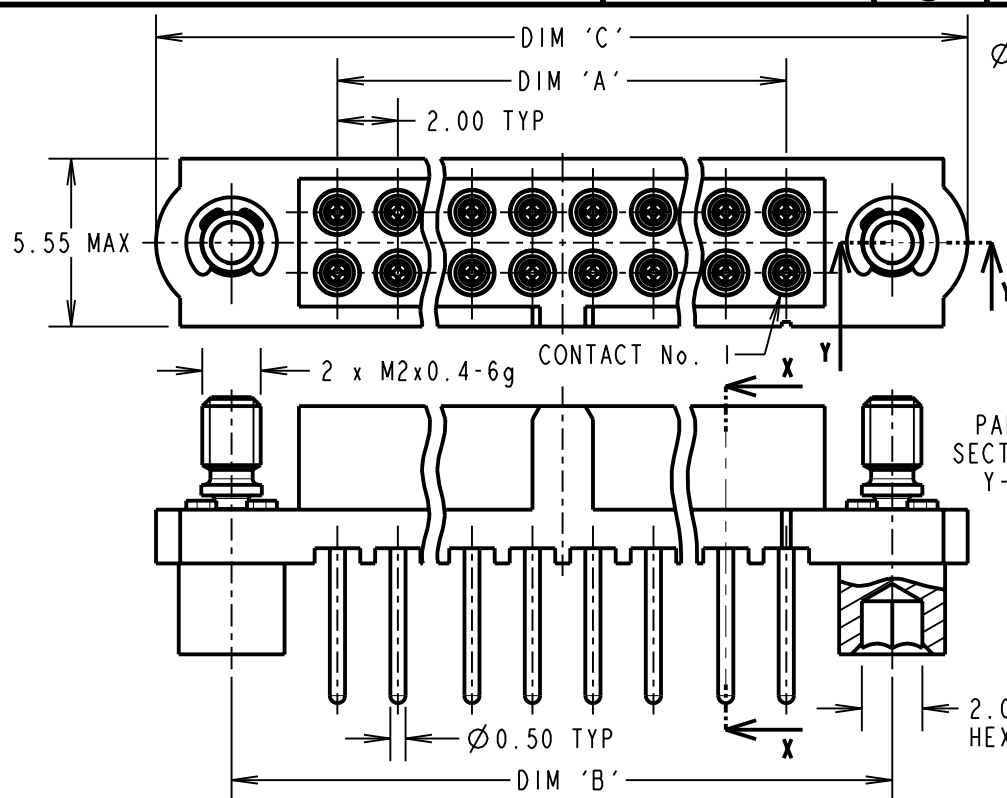
IF IN DOUBT - ASK

(C)

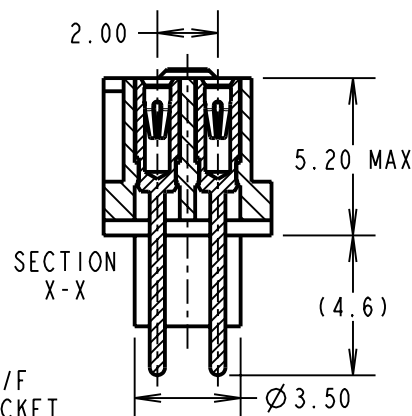
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



RECOMMENDED PCB LAYOUT

PART
SECTION
Y-YSECTION
X-X

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, M80-4212042
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm,
DIM 'C' = 30.00mm

SPECIFICATIONS:**MATERIAL:**

MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK
CONTACT CLIP = BERYLLIUM COPPER
CONTACT SHELL = BRASS
JACKSCREW, CIRCLIP = 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 = 120V AC/DC
VOLTAGE PROOF = 360V AC/DC
CONTACT RESISTANCE = 25 mΩ MAX
INSULATION RESISTANCE = 100 MΩ 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

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

ORDER CODE:**M80-421XXXX**

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

FINISH

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

CP	I	31.08.10	10870
NAME	ISS.	DATE	C/NOTE
APPROVED: C.PENROSE			
CHECKED: R.ADDE			
DRAWN: B. M. KENT			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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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
DIL VERTICAL PC TAIL (4.5mm)
FEMALE ASSEMBLY

DRAWING NUMBER:**M80-421XXXX**

SHT
2 OF 2

Mouser Electronics

Authorized Distributor

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