

Customer Information Sheet

DRAWING No.: M80-411XXXX

SHEET 2 OF 2

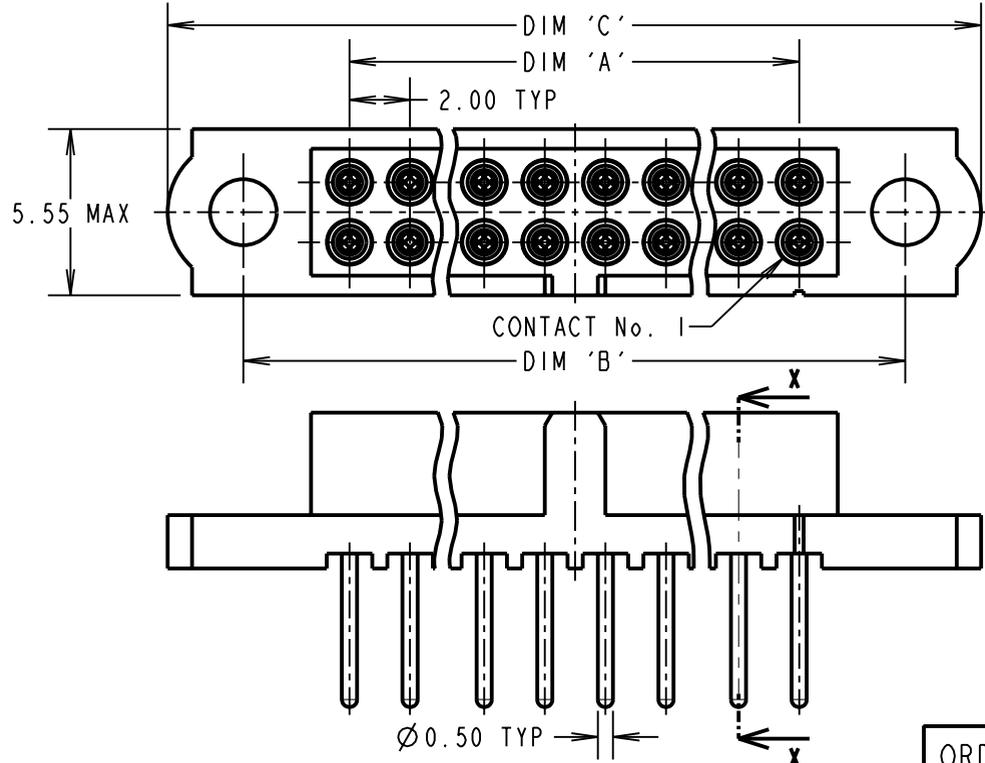
IF IN DOUBT - ASK

(C)

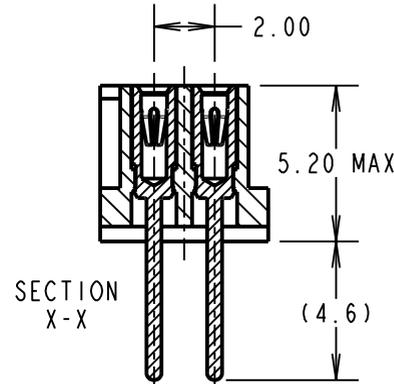
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



NOTES:
1. RECOMMENDED PCB HOLE SIZE = $\varnothing 0.65\text{mm}$ MIN.



SPECIFICATIONS:

MATERIAL:

MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK
CONTACT CLIP = BERYLLIUM COPPER
CONTACT SHELL = BRASS

FINISH:

01 = 0.3 μ GOLD CLIP, 3.5-5.0 μ TIN/LEAD SHELL
05 = 0.3 μ GOLD CLIP, 0.25-0.3 μ GOLD SHELL
42 = 0.3 μ GOLD CLIP, 3.5-5.0 μ 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 m Ω MAX
INSULATION RESISTANCE = 100 M Ω MIN

MECHANICAL:

DURABILITY = 500 OPERATIONS
INSERTION FORCE ($\varnothing 0.5\text{mm}$ GAUGE) = 2.8N MAX
WITHDRAWAL FORCE ($\varnothing 0.5\text{mm}$ GAUGE) = 0.2N MIN

ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

TUBE

FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION 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, M80-4112042

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

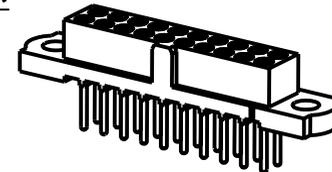
ORDER CODE:

M80-411XXXX

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	1	31.08.10	10870
NAME	ISS.	DATE	C/NOTE
APPROVED: C.PENROSE			
CHECKED: R.ADDE			
DRAWN: W. J. BOURNE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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TOLERANCES

X. = $\pm 1\text{mm}$
X.X = $\pm 0.25\text{mm}$
X.XX = $\pm 0.10\text{mm}$
X.XXX = $\pm 0.01\text{mm}$

ANGLES = $\pm 5^\circ$
UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA: mm²

TITLE: JACKSCREW DATAMATE
DIL VERTICAL PC TAIL (4.5mm)
FEMALE ASSY (NO J/SCREW)

DRAWING NUMBER:

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SHT
2 OF 2

Mouser Electronics

Authorized Distributor

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