

Customer Information Sheet

DRAWING No.: M80-420XXX

SHEET 2 OF 2

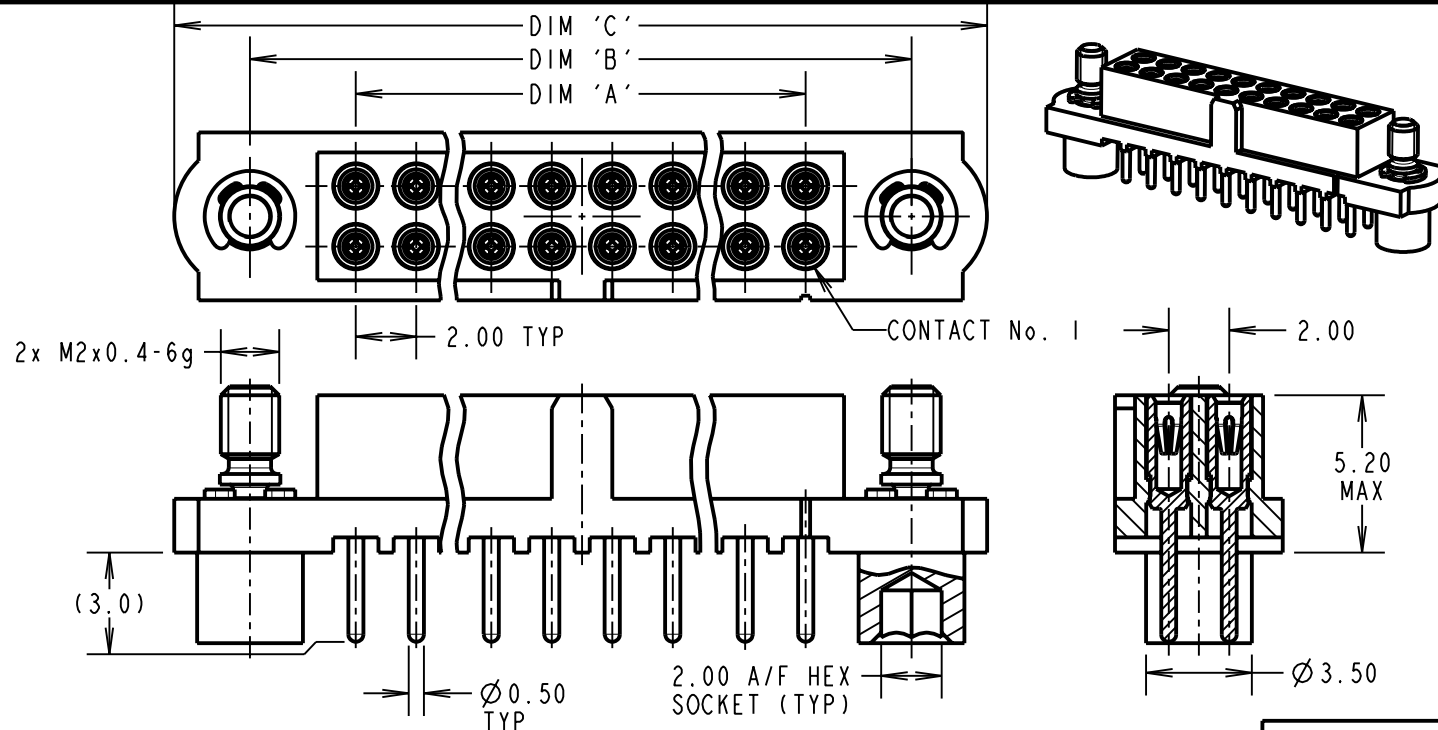
IF IN DOUBT - ASK

(C)

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 = BRASS

JACKSCREW, CIRCLIP = STAINLESS STEEL

FINISH:

01 = 0.3µm GOLD CLIP, 3.5-5.0µm TIN/LEAD SHELL

05 = 0.3µm GOLD CLIP, 0.25-0.3µm GOLD SHELL

42 = 0.3µm GOLD CLIP,
3.5-5.0µm 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 (Ø 0.5mm GAUGE) = 2.8N MAX

WITHDRAWAL FORCE (Ø 0.5mm GAUGE) = 0.2N MIN

ENVIRONMENTAL:

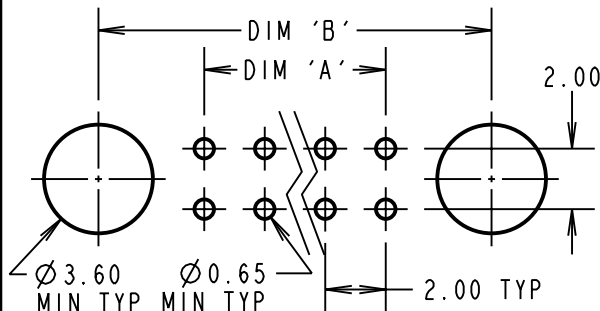
TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

TUBE

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

RECOMMENDED PCB LAYOUT



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:
M80-4122042DIM 'A' = 18.00mm, DIM 'B' = 25.00mm,
DIM 'C' = 30.00mm

ORDER CODE:

M80-420XXX

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: W. J. BOURNE			
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
FEMALE ASSEMBLY

DRAWING NUMBER:

M80-420XXXSHT
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