

Customer Information Sheet

DRAWING No.: M80-520XXXX

SHEET 2 OF 2

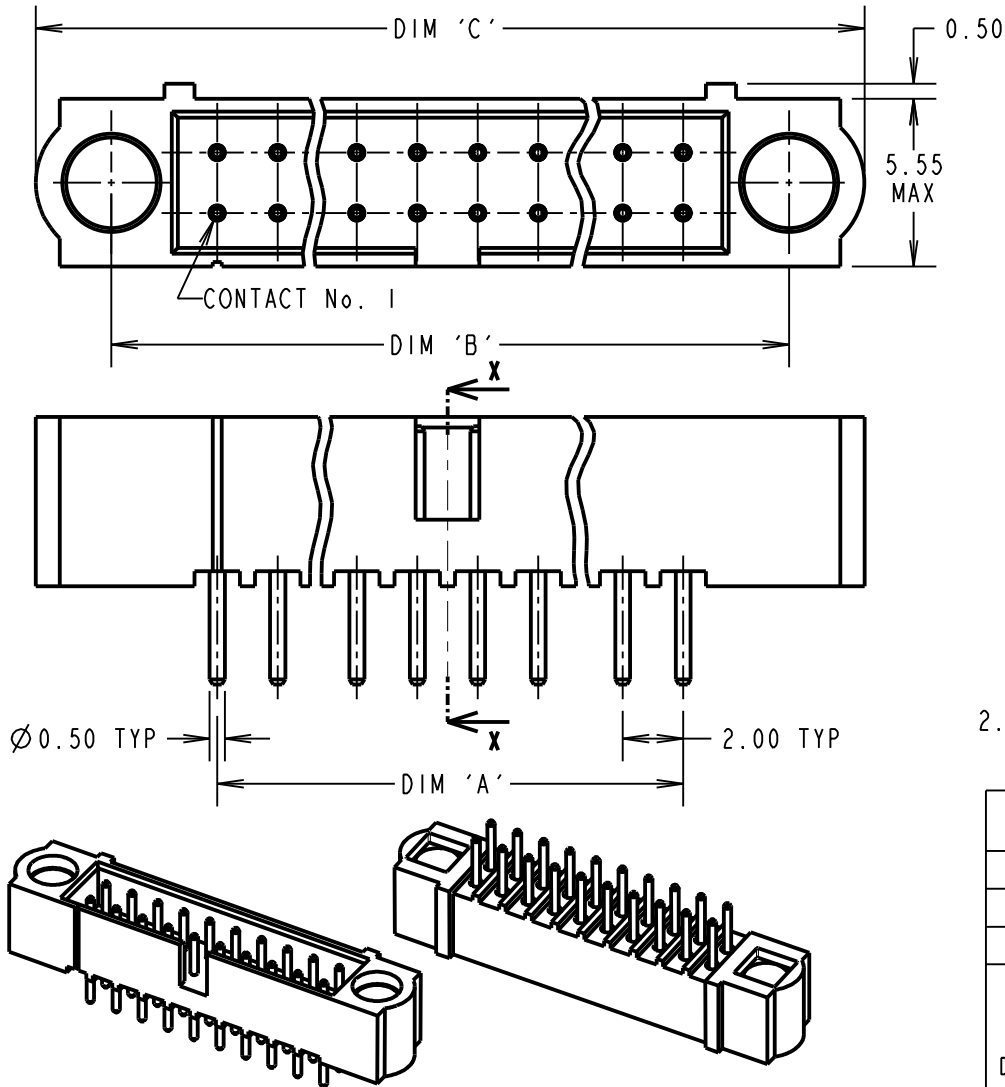
IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



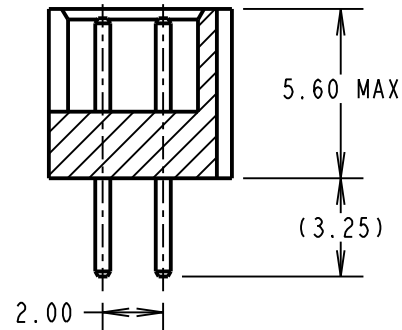
ORDER CODE:

M80-520XXXXTOTAL No. OF CONTACTS
04 TO 50
(EVEN NUMBERS ONLY)

FINISH:

05 - GOLD
22 - SELECTIVE GOLD, TIN/LEAD
42 - SELECTIVE GOLD, 100% TIN

SECTION X-X



SPECIFICATIONS:

MATERIAL:

MOULDING = GLASS-FILLED PPS,
UL94V-0, BLACK

CONTACT = PHOSPHOR BRONZE

FINISH:

05 = 0.75μ GOLD

22 = 0.75μ GOLD ON CONTACT AREA,

3μ 90/10 TIN/LEAD ON TAILS

42 = 0.75μ GOLD ON CONTACT AREA,

3μ 100% TIN OVER NICKEL ON TAILS

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 = 25 mΩ MAX

INSULATION RESISTANCE = 100 MΩ MIN

MECHANICAL:

DURABILITY = 500 OPERATIONS

ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

TUBE

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

NOTES:

1. RECOMMENDED PCB HOLE
SIZE = Ø0.70mm±0.05.

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 ON CONTACT AREA AND 100% TIN OVER NICKEL ON TAIL, M80-5202042.

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

MSP	3	18.08.15	11507
NAME	ISS.	DATE	C/NOTE
APPROVED: M.PERREN			
CHECKED: M.PLESTED			
DRAWN: W. J. BOURNE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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DISCLOSED, LOANED, COPIED
OR USED FOR MANUFACTURING,
TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.TOLERANCES
X. = ±1mm
X.X = ±0.50mm
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
MALE ASSEMBLY (NO J/S)

DRAWING NUMBER:

M80-520XXXXSHT
2
OF
2

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Harwin:

[M80-5205022](#) [M80-5201022](#) [M80-5201422](#) [M80-5202042](#) [M80-5204422](#) [M80-5202642](#) [M80-5205042](#) [M80-5200642](#) [M80-5201042](#) [M80-5201442](#) [M80-5204242](#) [M80-5203422](#) [M80-5204222](#) [M80-5202622](#) [M80-5201242](#) [M80-5201822](#) [M80-5201842](#) [M80-5200605](#) [M80-5201405](#) [M80-5201605](#) [M80-5200442](#) [M80-5203642](#) [M80-5202005](#) [M80-5200405](#) [M80-5201005](#) [M80-5203842](#) [M80-5204042](#) [M80-5201642](#) [M80-5200842](#) [M80-5201805](#) [M80-5202605](#) [M80-5201205](#) [M80-5202442](#) [M80-5200422](#) [M80-5203822](#) [M80-5202822](#) [M80-5200822](#) [M80-5203405](#)