

Customer Information Sheet

DRAWING No.: M80-462XXXX

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, NUT = STAINLESS STEEL
FINISH:
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

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 (ϕ 0.5mm GAUGE) = 2.8N MAX
WITHDRAWAL FORCE (ϕ 0.5mm GAUGE) = 0.2N MIN

ENVIRONMENTAL:
TEMPERATURE RANGE = -55°C TO +125°C

PACKING:
LOOSE

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
DIM 'D'	TOTAL No. OF CONTACTS + 0.64
EXAMPLE: CONNECTOR WITH 20 CONTACTS, GOLD CLIP AND 100% TIN OVER NICKEL SHELL, M80-4622042	
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm, DIM 'D' = 20.64mm	

HARWIN

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TOLERANCES

X = \pm 1mm
X.X = \pm 0.25mm
X.XX = \pm 0.10mm
X.XXX = \pm 0.01mm

ANGLES = \pm 5°
UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH:

SEE ABOVE

S/AREA:

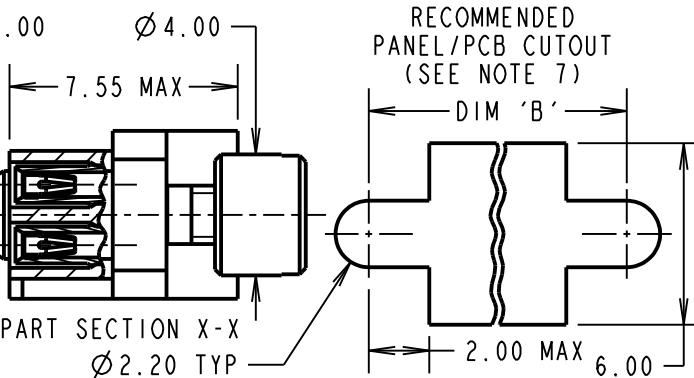
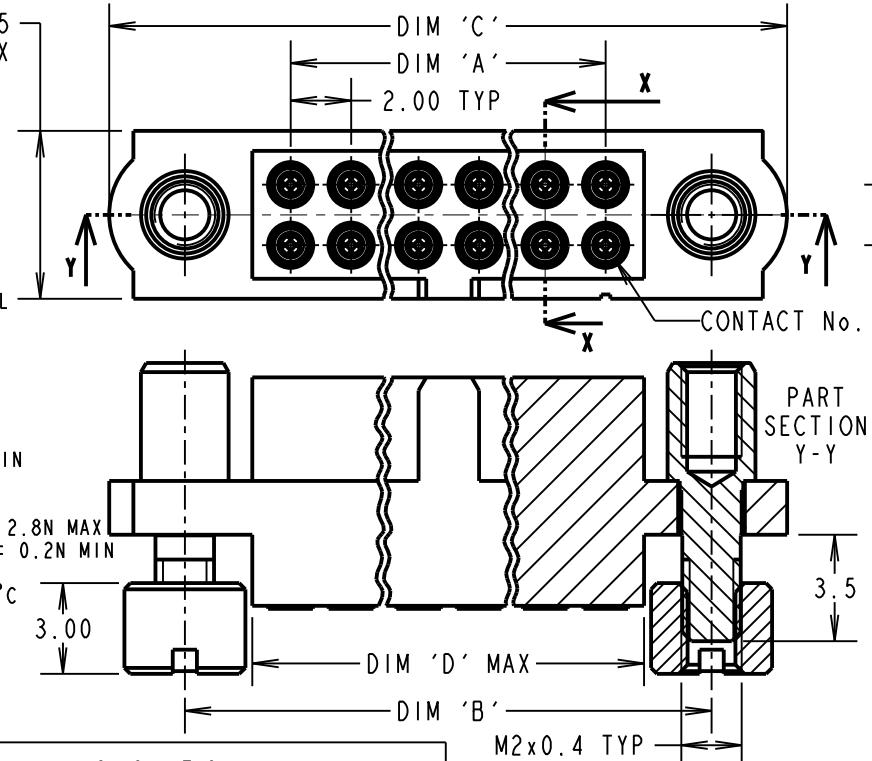
mm²

TITLE: DATAMATE J-TEK
FEMALE DIL LARGE BORE CRIMP WITH
'REVERSE FIX' JACKSCREW AND
3.5mm BOARD/PANEL MOUNT

DRAWING NUMBER:

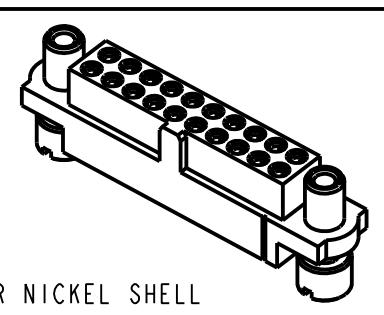
M80-462XXXX

SHT
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NOTES:

1. CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
2. FOR EXTRA CONTACTS, USE PART NUMBER M80-0110005 FOR M80-462XX05 AND M80-0110001 FOR M80-462XX42.
3. RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 22 AWG. MAX INSULATION DIAMETER = ϕ 1.10mm, STRIP WIRE BY 2.00mm.
4. RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
5. CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. REFER TO TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.
7. RECOMMENDED PANEL/PCB THICKNESS = 1.3-1.6mm.



SM	3	28.10.11	11520
NAME	ISS.	DATE	C/NODE

APPROVED: S. McCULLAGH

CHECKED: M. G. PLESTED

DRAWN: B. M. KENT

CUSTOMER REF.:

ASSEMBLY DRG.:

Mouser Electronics

Authorized Distributor

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

Harwin:

[M80-4621442](#) [M80-4625042](#) [M80-4623442](#) [M80-4624242](#) [M80-4622042](#) [M80-4620642](#) [M80-4621042](#) [M80-4622642](#)