

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 = 0.3µ GOLD CLIP,

0.25-0.3µ GOLD SHELL

42 = 0.3µ GOLD CLIP,

3.5-5.0µ 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 mΩ MAX

INSULATION RESISTANCE = 100 MΩ MIN

MECHANICAL:

DURABILITY = 500 OPERATIONS

INSERTION FORCE (Ø0.5mm GAUGE) = 2.8N MAX

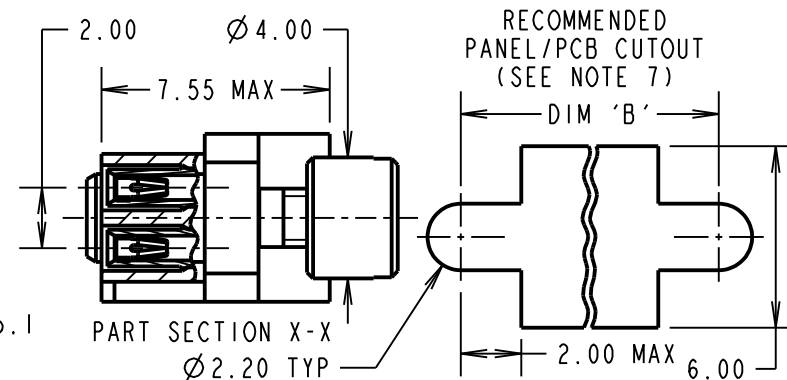
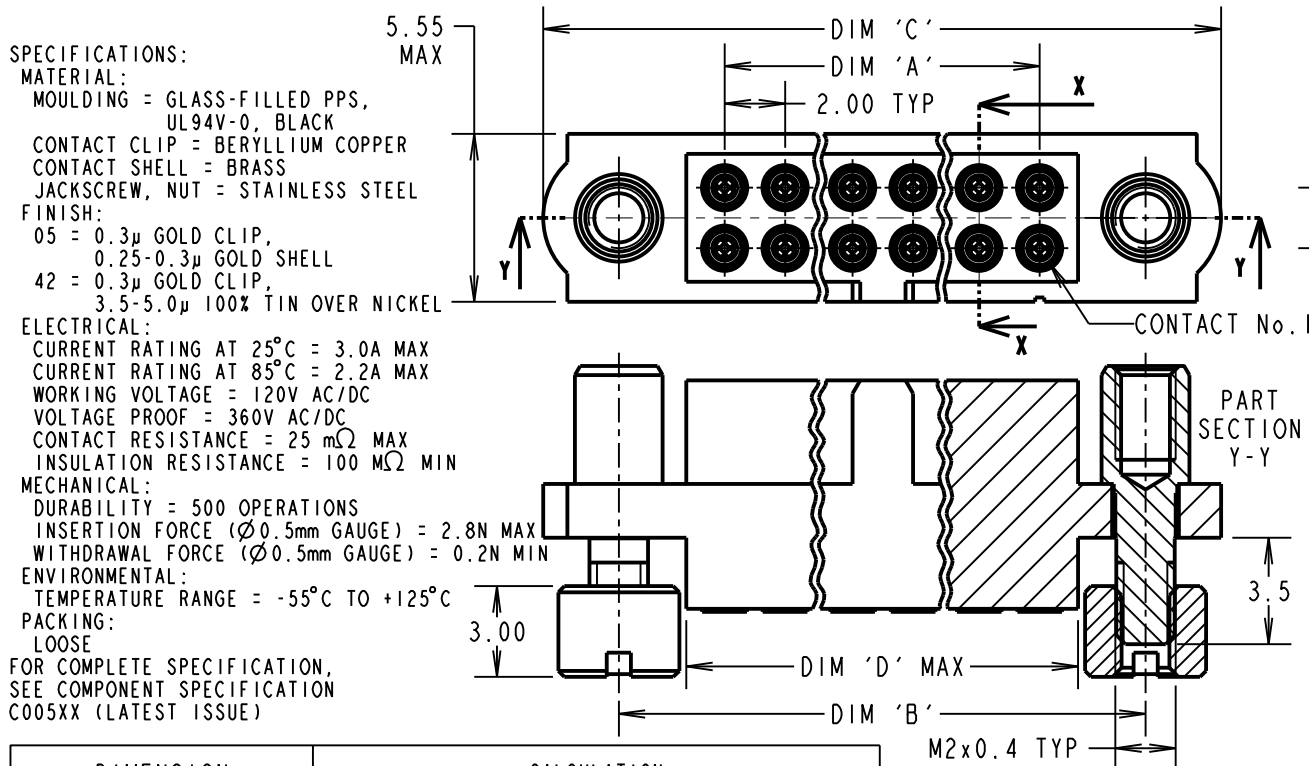
WITHDRAWAL FORCE (Ø0.5mm GAUGE) = 0.2N MIN

ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

LOOSE

FOR COMPLETE SPECIFICATION,
SEE COMPONENT SPECIFICATION
C005XX (LATEST ISSUE)**NOTES:**

- CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
- FOR EXTRA CONTACTS, USE PART NUMBER M80-0110005 FOR M80-462XX05 AND M80-0110001 FOR M80-462XX42.
- RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 22 AWG. MAX INSULATION DIAMETER = Ø1.10mm, STRIP WIRE BY 2.00mm.
- RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
- CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. REFER TO TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.
- RECOMMENDED PANEL/PCB THICKNESS = 1.3-1.6mm.

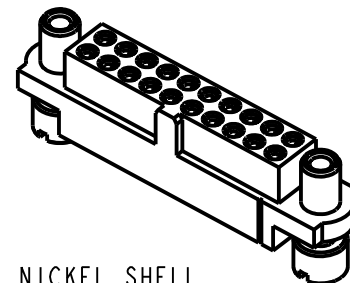
DIMENSION**CALCULATION**

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, M80-4622042DIM 'A' = 18.00mm, DIM 'B' = 25.00mm,
DIM 'C' = 30.00mm, DIM 'D' = 20.64mm**ORDER CODE:****M80-462XXXX****TOTAL No. OF CONTACTS**04 - 50
(EVEN NUMBERS ONLY)**FINISH CODE**

05 - GOLD CLIP, GOLD SHELL

42 - GOLD CLIP, 100% TIN OVER NICKEL SHELL



SM	3	28.10.11	11520
NAME	ISS.	DATE	C/NOTE
APPROVED: S. MCCULLAGH			
CHECKED: M. G. PLESTED			
DRAWN: B. M. KENT			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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GROUP AND MUST NOT BE
DISCLOSED, LOANED, COPIED
OR USED FOR MANUFACTURING,
TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.**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:**DATAMATE J-TEK
FEMALE DIL LARGE BORE CRIMP WITH
'REVERSE FIX' JACKSCREW AND
3.5mm BOARD/PANEL MOUNT**DRAWING NUMBER:****M80-462XXXX**SHT
2
OF 2

Mouser Electronics

Authorized Distributor

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

Harwin:

[M80-4620605](#) [M80-4621005](#) [M80-4621205](#) [M80-4621405](#) [M80-4621805](#) [M80-4622005](#) [M80-4622605](#) [M80-4623405](#) [M80-4624205](#) [M80-4625005](#) [M80-4621442](#) [M80-4625042](#) [M80-4623442](#) [M80-4624242](#) [M80-4622042](#) [M80-4620642](#) [M80-4621042](#) [M80-4622642](#)