

Customer Information Sheet

DRAWING No.: M80-402XXXX

SHEET 2 OF 2

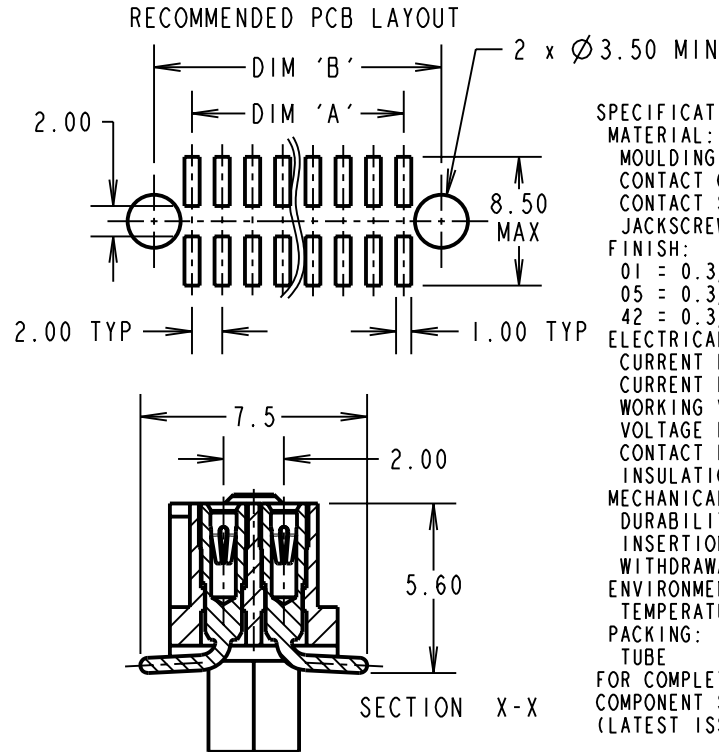
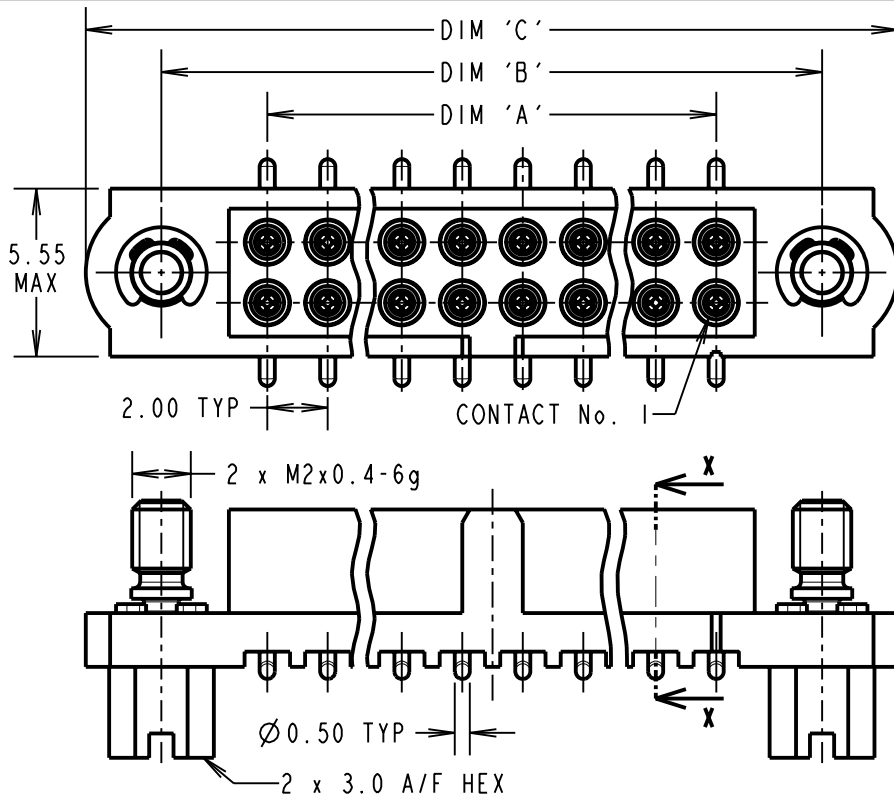
IF IN DOUBT - ASK

(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 = 0.3µ GOLD CLIP, 3.5-5.0µ TIN/LEAD SHELL
 05 = 0.3µ GOLD CLIP, 0.25-0.3µ GOLD SHELL
 42 = 0.3µ GOLD CLIP, 3.5-5.0µ 100% TIN 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 (Ø0.5mm GAUGE) = 2.8N MAX
 WITHDRAWAL FORCE (Ø0.5mm GAUGE) = 0.2N MIN

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

PACKING:
 TUBE

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

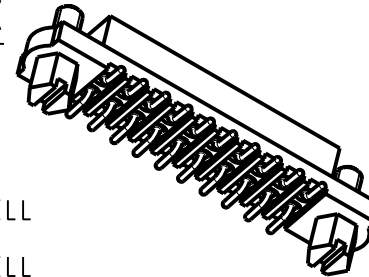
| DIMENSION | CALCULATION |
|--|----------------------------|
| DIM 'A' | TOTAL No. OF CONTACTS - 2 |
| DIM 'B' | TOTAL No. OF CONTACTS + 5 |
| DIM 'C' | TOTAL No. OF CONTACTS + 10 |
| EXAMPLE: CONNECTOR WITH 20 CONTACTS, GOLD CLIP AND 100% TIN SHELL, M80-4022042 | |
| DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm | |

ORDER CODE:

M80-402XXXX

TOTAL No. OF CONTACTS
 04 TO 50
 (EVEN NUMBERS ONLY)

FINISH CODE
 01 - GOLD CLIP, TIN/LEAD SHELL
 05 - GOLD CLIP, GOLD SHELL
 42 - GOLD CLIP, 100% TIN SHELL



| | | | |
|---------------------|------|----------|--------|
| CP | 1 | 08.07.09 | 10377 |
| NAME | ISS. | DATE | C/NOTE |
| APPROVED: C.PENROSE | | | |
| CHECKED: R.ADDE | | | |
| DRAWN: B. M. KENT | | | |
| 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 SMT
 FEMALE ASSEMBLY

DRAWING NUMBER:
M80-402XXXX

SHT
 2 OF 2

Mouser Electronics

Authorized Distributor

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

Harwin:

[M80-4020642](#) [M80-4021042](#) [M80-4021242](#) [M80-4021401](#) [M80-4021442](#) [M80-4021801](#) [M80-4021842](#) [M80-4022042](#) [M80-4022601](#) [M80-4022642](#) [M80-4023401](#) [M80-4023442](#) [M80-4024242](#) [M80-4025001](#) [M80-4025042](#) [M80-4020842](#) [M80-4020605](#) [M80-4021805](#) [M80-4023405](#) [M80-4021405](#) [M80-4021005](#) [M80-4022005](#) [M80-4024205](#) [M80-4025005](#) [M80-4022605](#)