

Customer Information Sheet

DRAWING No.: M80-700XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

ORDER CODE:

M80-700XXXX

TOTAL No. OF CONTACTS:

27, 36, 45, 51, 63

FINISH:

05 = 100% GOLD

22 = SELECTIVE GOLD + TIN/LEAD

42 = SELECTIVE GOLD + 100% TIN

NOTES:

1. FROM No. 1 POSITION, CONTACTS NUMBERED IN SEQUENCE FROM RIGHT TO LEFT AND FROM BOTTOM ROW TO TOP ROW.

SPECIFICATION:

MATERIAL:

MOULDING = POLYAMIDE 46 UL94V-0, BLACK

CONTACT = PHOSPHOR BRONZE

JACKSCREWS = STAINLESS STEEL

FINISH:

05 = 0.25 - 0.3µ 100% GOLD

22 = 0.75µ GOLD ON CONTACT AREA, 3.0µ 90/10 TIN/LEAD ON TAILS

42 = 0.75µ GOLD ON CONTACT AREA, 3.0µ 100% TIN ON TAILS

ELECTRICAL:

CURRENT RATING AT 25°C = 3.0A MAX

CURRENT RATING AT 85°C = 2.2A MAX

VOLTAGE PROOF = 360V AC/DC

CONTACT RESISTANCE (INITIAL) = 20 MILLIOHMS MAX

CONTACT RESISTANCE (AFTER CONDITIONING) = 25 MILLIOHMS MAX

INSULATION RESISTANCE (INITIAL) = 1,000 MEGOHMS MAX

INSULATION RESISTANCE (AFTER CONDITIONING) = 100 MEGOHMS MIN

MECHANICAL:

DURABILITY = 500 OPERATIONS

MAXIMUM INSERTION FORCE = No. OF CONTACTS x 2.8N

MAXIMUM WITHDRAWAL FORCE = No. OF CONTACTS x 1.8N

MINIMUM WITHDRAWAL FORCE = No. OF CONTACTS x 0.2N

ENVIRONMENTAL:

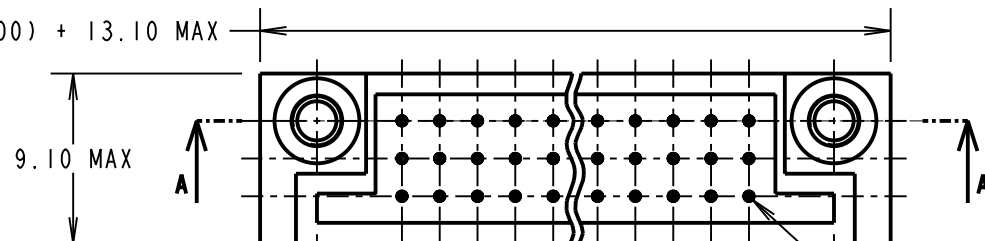
TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

TRAYS

FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C017XX (LATEST ISSUE)

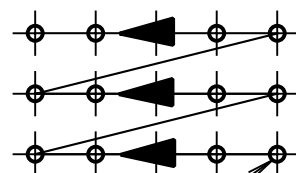
(NO. OF CONTACTS PER ROW x 2.00) + 13.10 MAX



(NO. OF CONTACTS PER ROW x 2.00) + 7.00

NO. OF PITCHES PER ROW x 2.00

NO. 1 CONTACT (SEE NOTE 1)



No. 1 CONTACT

6.20 MAX

SECTION A-A

M2.5 JACKSCREW

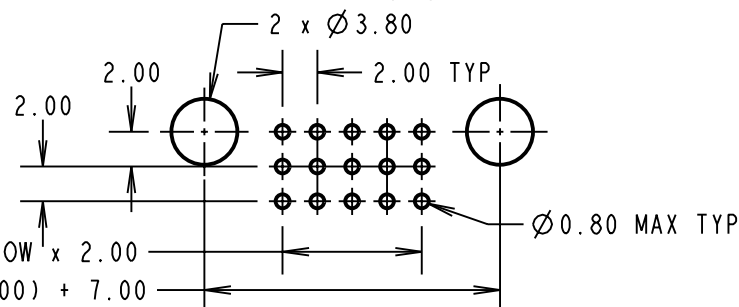
(3.00)

Ø0.50 TYP

WASHER

M2.5 NUT

2.00 TYP



NO. OF PITCHES PER ROW x 2.00

(NO. OF CONTACTS PER ROW x 2.00) + 7.00

RECOMMENDED PC BOARD LAYOUT

SM	9	15.06.10	10832
NAME	ISS.	DATE	C/NOTE
APPROVED: S. MCCULLAGH			
CHECKED: R. ADDE			
DRAWN: A. LIOTTA			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

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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: 3-ROW 2mm PITCH
CONNECTOR, MALE, STRAIGHT
THROUGHBOARD P.C. TAIL

DRAWING NUMBER:

M80-700XXXX

SHT
2 OF 2

Mouser Electronics

Authorized Distributor

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

Harwin:

[M80-7004522](#) [M80-7005122](#) [M80-7002742](#) [M80-7003642](#) [M80-7006342](#) [M80-7005142](#) [M80-7004542](#) [M80-7002722](#) [M80-7006322](#) [M80-7003622](#)