

Customer Information Sheet

DRAWING No.: M80-701XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

ORDER CODE:

M80-701XXXX

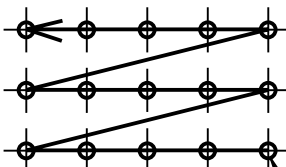
TOTAL No. OF CONTACTS:
27, 36, 45, 51, 63

FINISH:

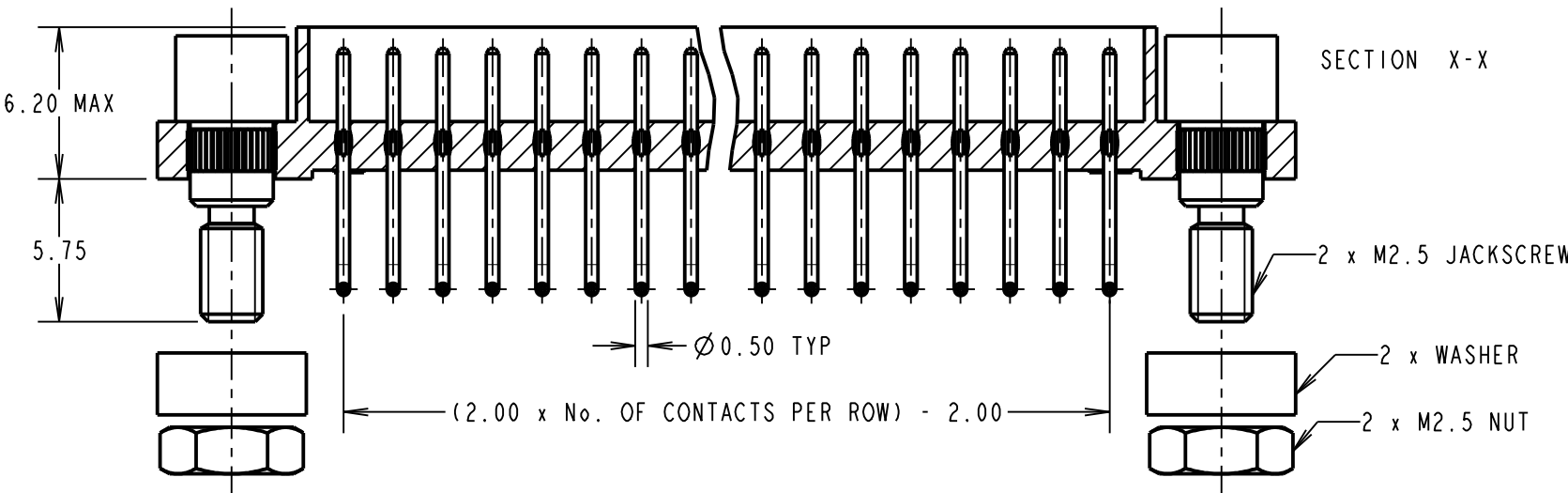
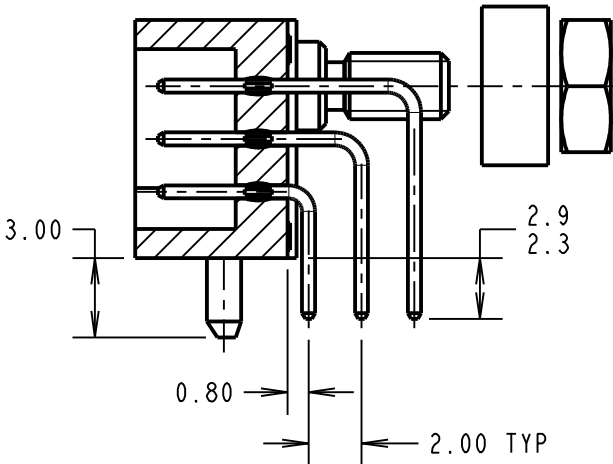
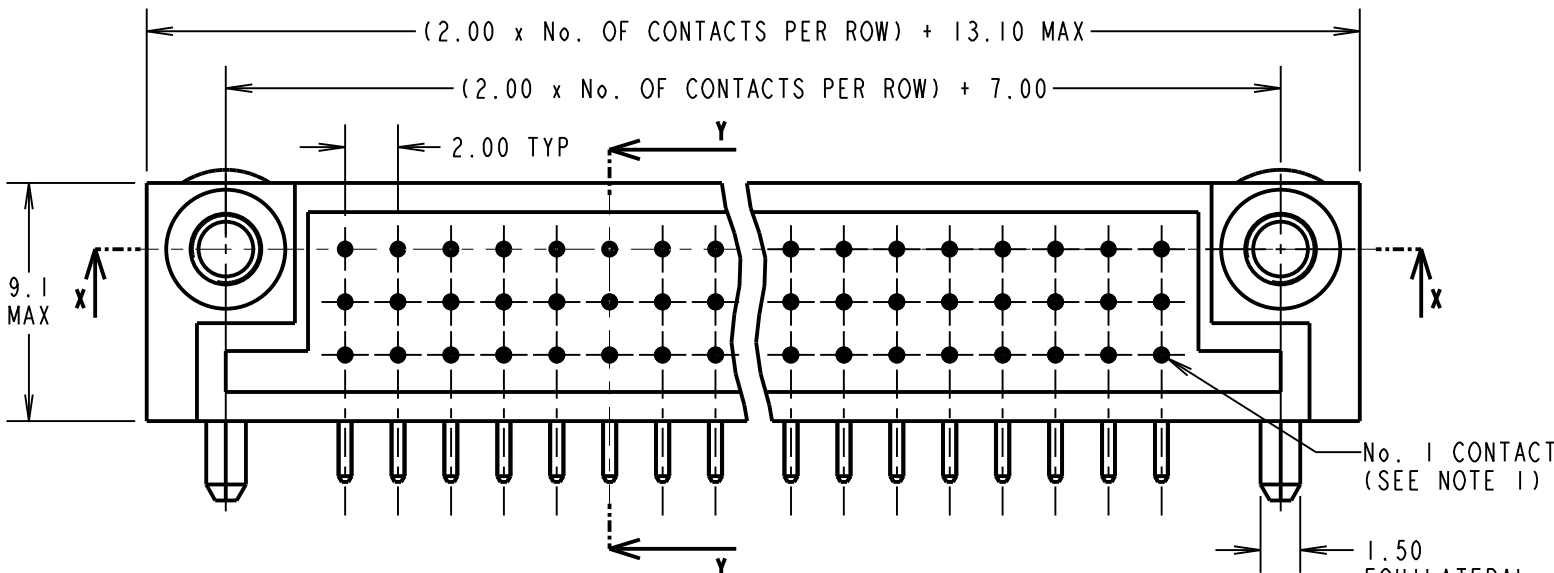
05 = GOLD
22 = GOLD + TIN/LEAD
42 = GOLD + 100% TIN

NOTES:

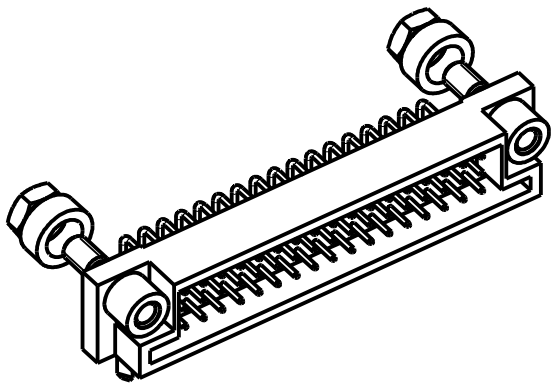
1. FROM No. 1 POSITION, CONTACTS
NUMBERED IN SEQUENCE FROM
RIGHT TO LEFT AND FROM
BOTTOM ROW TO TOP ROW (SEE BELOW).



No. 1 CONTACT



SECTION X-X



SPECIFICATION:

MATERIAL:

MOULDING = POLYAMIDE 46 UL94V-0, BLACK
CONTACT = PHOSPHOR BRONZE
JACKSCREWS = STAINLESS STEEL
FINISH (ALL OVER NICKEL):

05 = 0.25 - 0.3µ 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) = 20mΩ MAX
(AFTER CONDITIONING) = 25mΩ MAX
INSULATION RESISTANCE (INITIAL) = 1,000MΩ MIN
(AFTER CONDITIONING) = 100MΩ 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

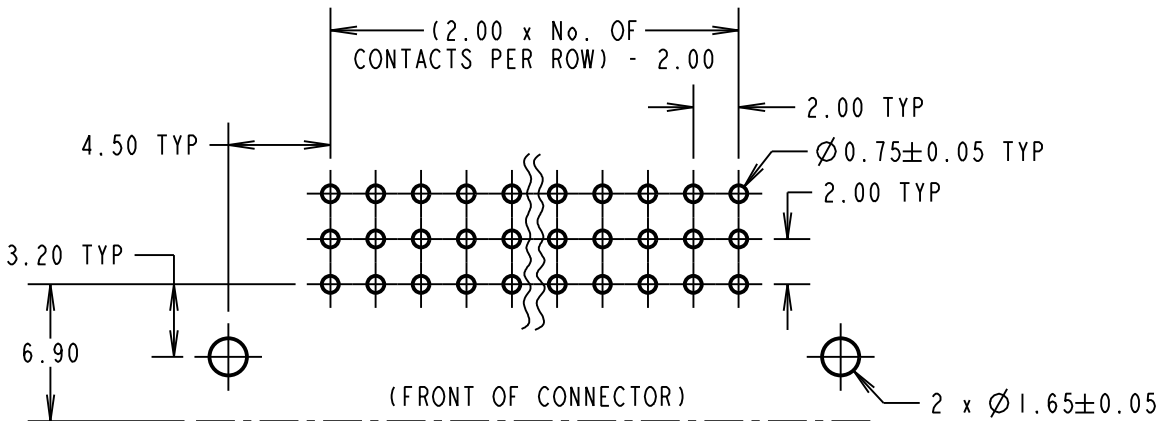
ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

TRAYS

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



RECOMMENDED PCB LAYOUT

HARWIN

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TOLERANCES

X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH:

SEE TABLE

S/AREA:

mm²

TITLE: DATAMATE J-TEK
3-ROW MALE HORIZ. PC TAIL
ASSEMBLY WITH JACKSCREWS

DRAWING NUMBER:

M80-701XXXX

SHT

2 OF 2

MSP	9	26.05.15	12829
NAME	ISS.	DATE	C/NOTE
APPROVED: M.PERREN			
CHECKED: S.BENNETT			
DRAWN: I.SANDY			
CUSTOMER REF.:			
ASSEMBLY DRG:			

Mouser Electronics

Authorized Distributor

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

Harwin:

[M80-7012722](#) [M80-7014522](#) [M80-7016322](#) [M80-7013622](#) [M80-7015142](#) [M80-7012742](#) [M80-7013642](#) [M80-7014542](#) [M80-7016342](#)