Customer Information Sheet

ORDER CODE:

M80-701XXXX

TOTAL No. OF CONTACTS:
27, 36, 45, 51, 63
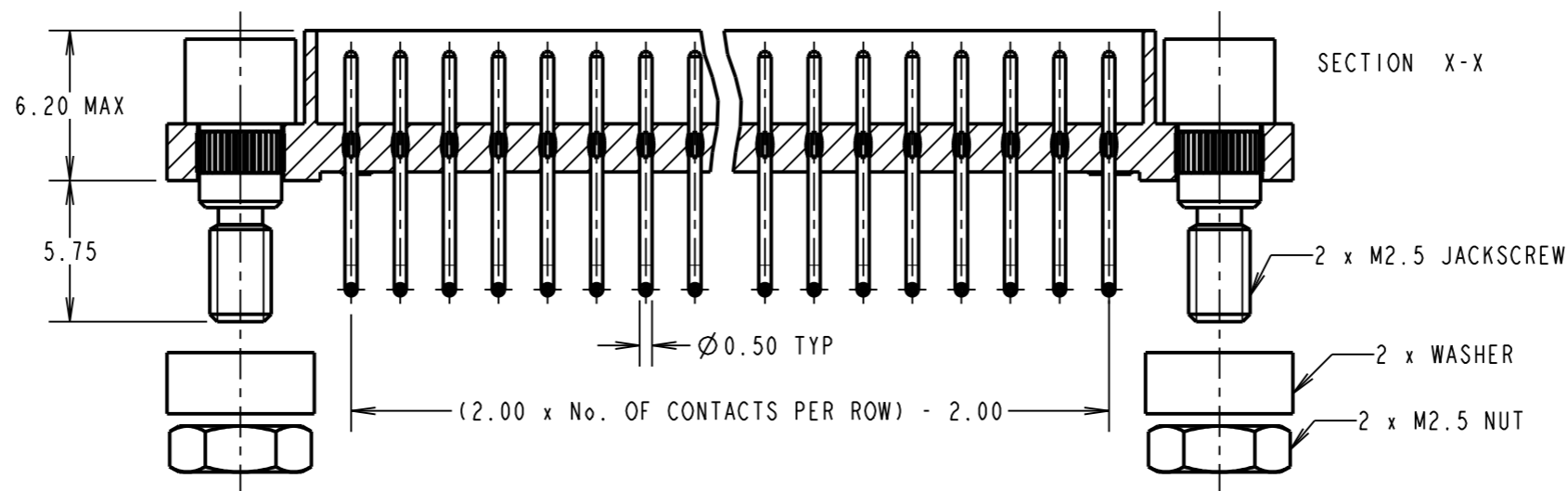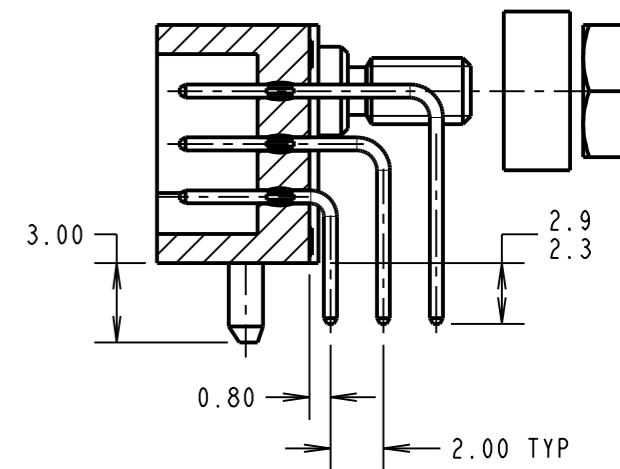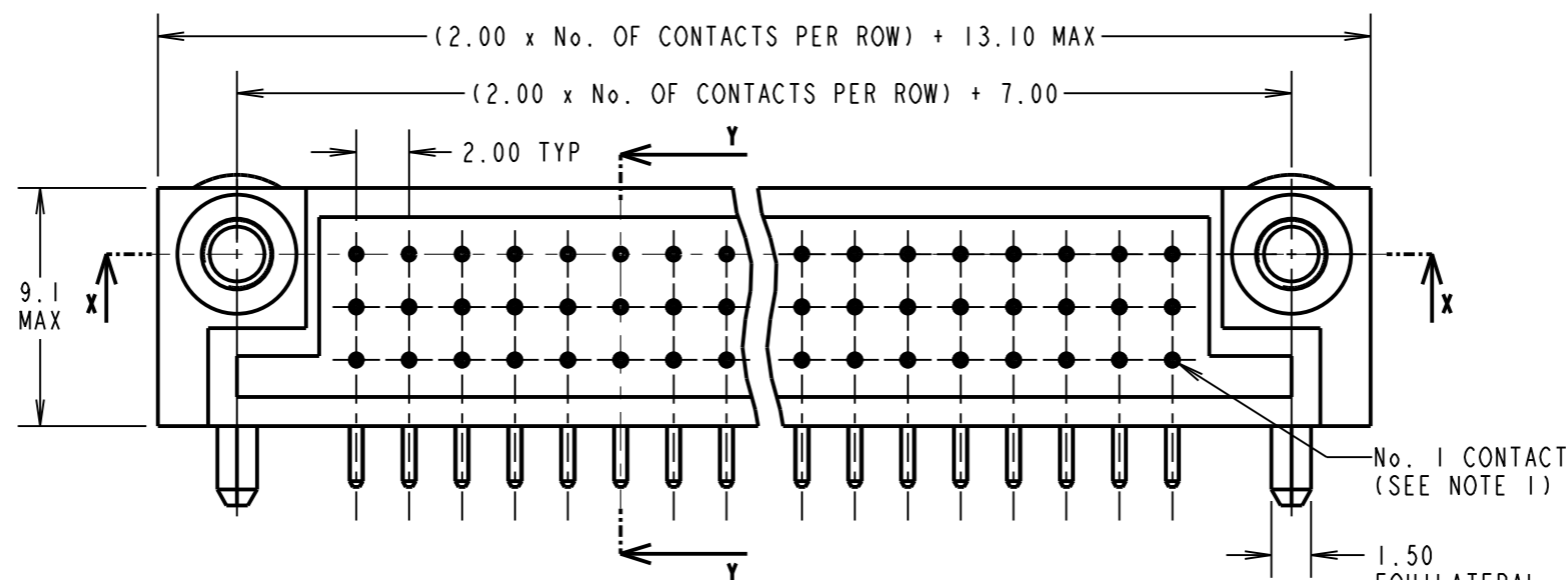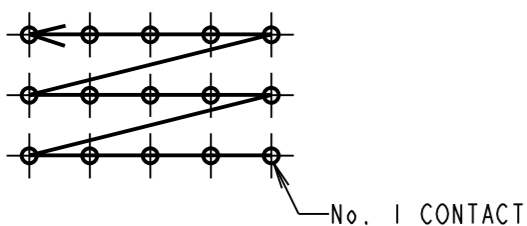
FINISH:
05 = GOLD
22 = GOLD + TIN/LEAD
42 = GOLD + 100% TIN

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
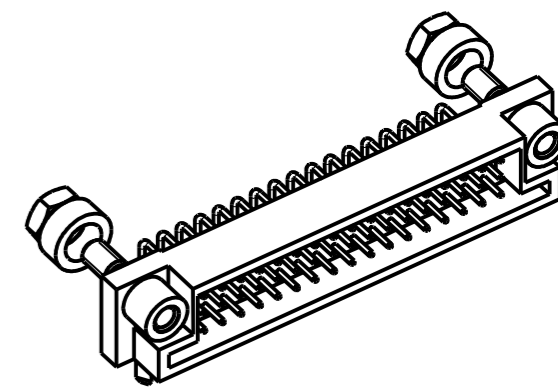
SPECIFICATION:
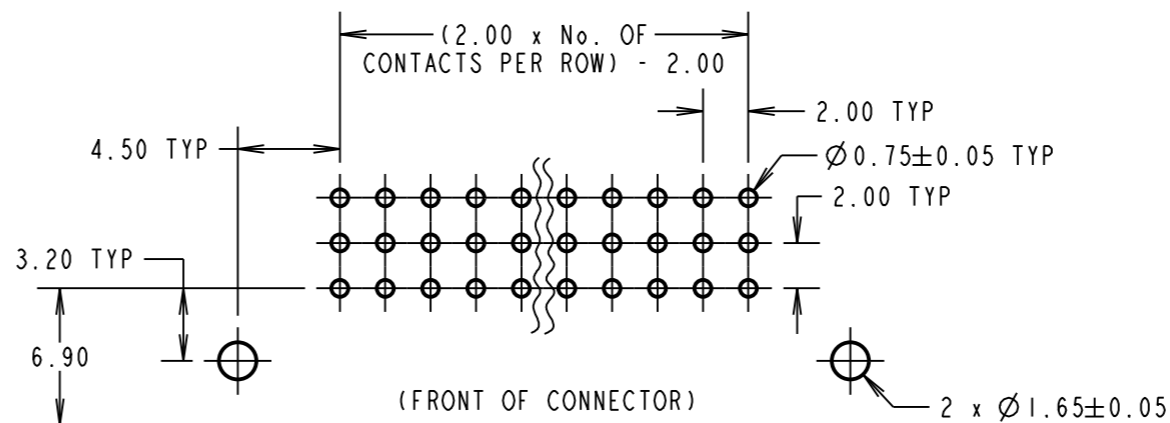
MATERIAL:
MOULDING = POLYAMIDE 46 UL94V-0, BLACK
CONTACT = PHOSPHOR BRONZE
JACKSCREWS = STAINLESS STEEL
FINISH (ALL OVER NICKEL):
05 = 0.25 - 0.3µ GOLD
22 = 0.75µ GOLD ON CONTACT AREA,
     3.0µ 90/10 TIN/LEAD ON TAILS
42 = 0.75µ GOLD ON CONTACT AREA,
     3.0µ 100% TIN ON TAILS
ELECTRICAL:
CURRENT RATING 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)

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

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

2.00 TYP

9.1 MAX

No. 1 CONTACT (SEE NOTE 1)

1.50 EQUILATERAL TRIANGLE FORM PEG

3.00

2.9
2.3

0.80

2.00 TYP

SECTION X-X

6.20 MAX

5.75

Ø0.50 TYP

(2.00 x No. OF CONTACTS PER ROW) - 2.00

2 x M2.5 JACKSCREW

2 x WASHER

2 x M2.5 NUT

(2.00 x No. OF CONTACTS PER ROW) - 2.00

2.00 TYP

4.50 TYP

Ø0.75±0.05 TYP

2.00 TYP

3.20 TYP

6.90

(FRONT OF CONNECTOR)

2 x Ø1.65±0.05

RECOMMENDED PCB LAYOUT

HARWiN

www.harwin.com
technical@harwin.com

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