

Customer Information Sheet

DRAWING No.: M80-5L22042M7-02-334-02-314

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
SIGNAL CONTACT: PHOSPHOR BRONZE
POWER CONTACT: COPPER ALLOY

COAX CONTACT:
BODY = COPPER ALLOY
INNER CONTACT = PHOSPHOR BRONZE
INSULATOR = PTFE

BOARD-MOUNT JACKSCREW, SCREW: STAINLESS STEEL

FINISH:
SIGNAL CONTACT:
0.75 μ GOLD ON CONTACT AREA,
3 μ 100% TIN OVER NICKEL ON TAILS

POWER CONTACT: GOLD OVER NICKEL
COAX CONTACT: BODY, INNER CONTACT = GOLD OVER NICKEL

ELECTRICAL:
WORKING VOLTAGE = 800V AC/DC
VOLTAGE PROOF = 1200V AC/DC
INSULATION RESISTANCE = 100M Ω MIN

SIGNAL CONTACT:
CURRENT RATING AT 25°C = 3.0A MAX
CURRENT RATING AT 85°C = 2.2A MAX
CONTACT RESISTANCE = 25m Ω MAX

POWER CONTACT:
CONTACT RESISTANCE = 6m Ω MAX
CURRENT RATING = 20A MAX

COAX CONTACT:
FREQUENCY RANGE = 6GHz
IMPEDANCE = 50 Ω
V.S.W.R = 1.05 + (0.04 x FREQUENCY) GHz MAX
CONTACT RESISTANCE = 6m Ω MAX
INSULATION RESISTANCE = 10⁶M Ω @250V AC
OPERATING VOLTAGE = 180V AC @ 500mA
MAXIMUM VOLTAGE = 1000V AC

MECHANICAL:
DURABILITY = 500 OPERATIONS

SIGNAL CONTACT:
INSERTION FORCE = 2.0N MAX
WITHDRAWAL FORCE = 0.2N MIN

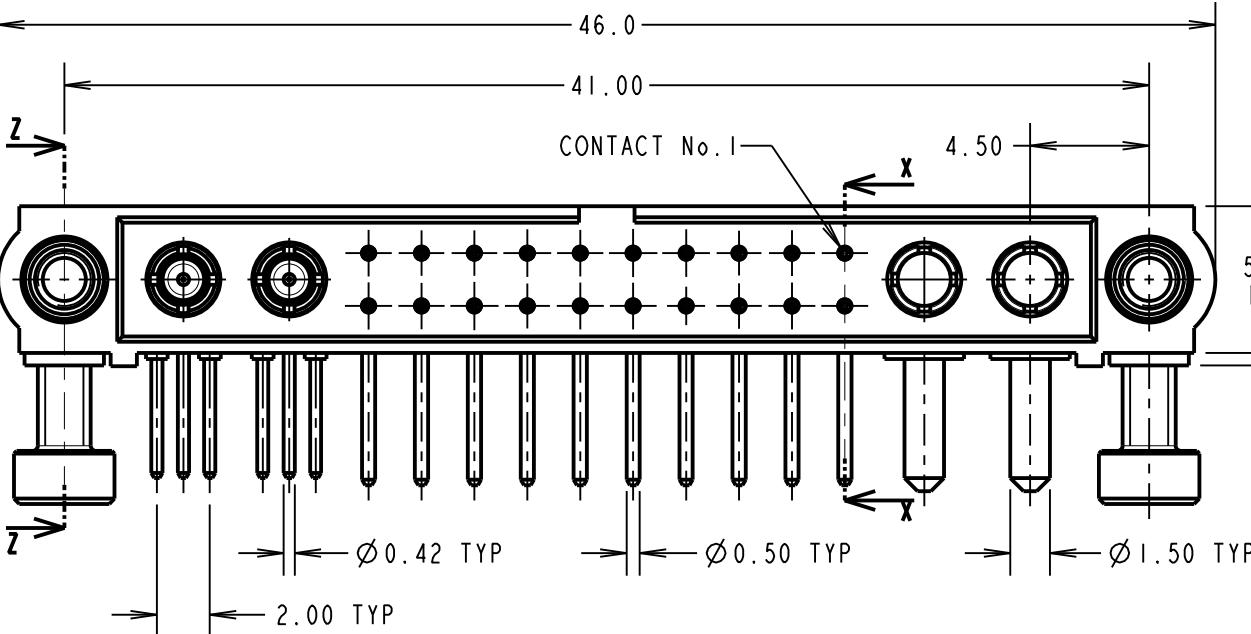
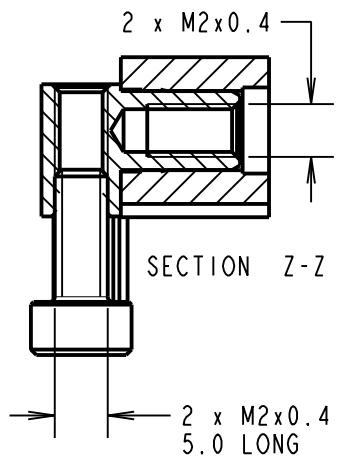
POWER CONTACT:
INSERTION FORCE = 8N MAX
WITHDRAWAL FORCE = 0.5N MIN

COAX CONTACT:
INSERTION FORCE = 8N MAX
WITHDRAWAL FORCE = 0.5N MIN

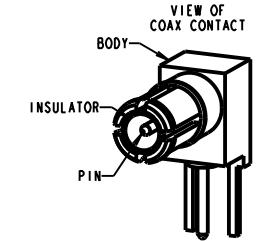
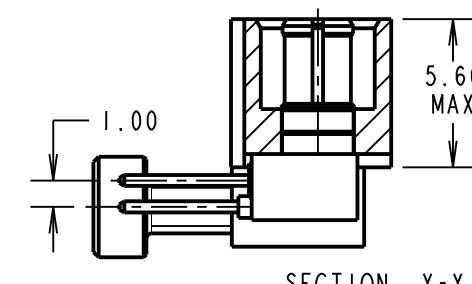
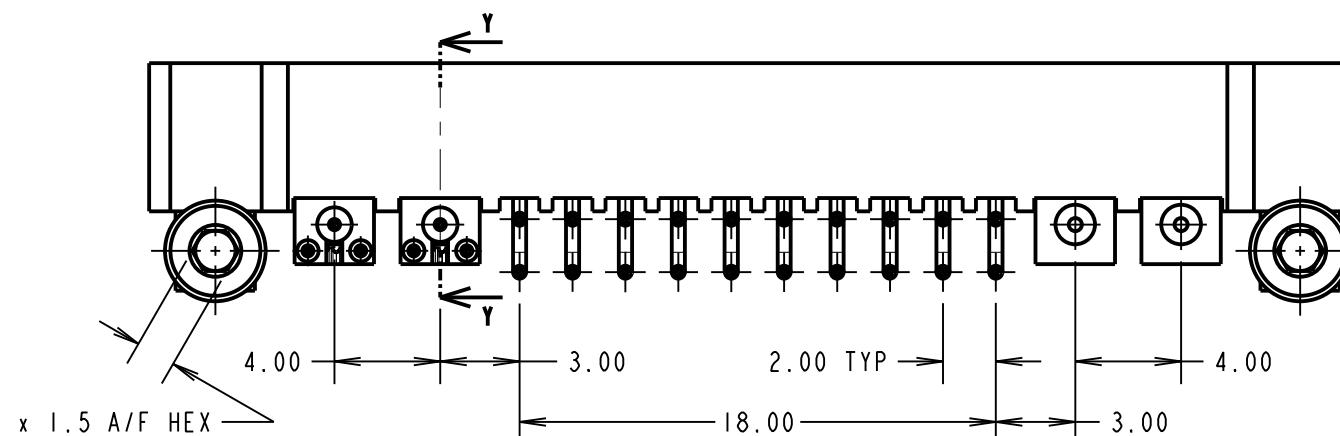
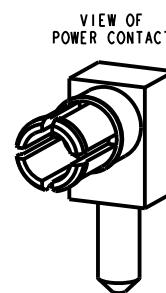
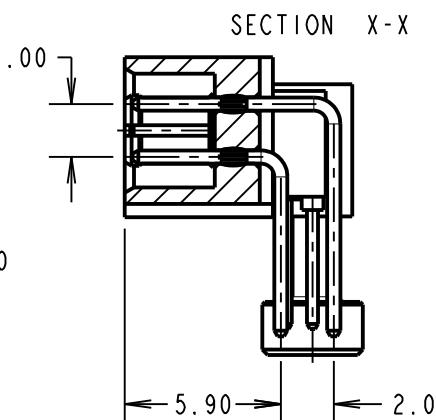
ENVIRONMENTAL:
TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

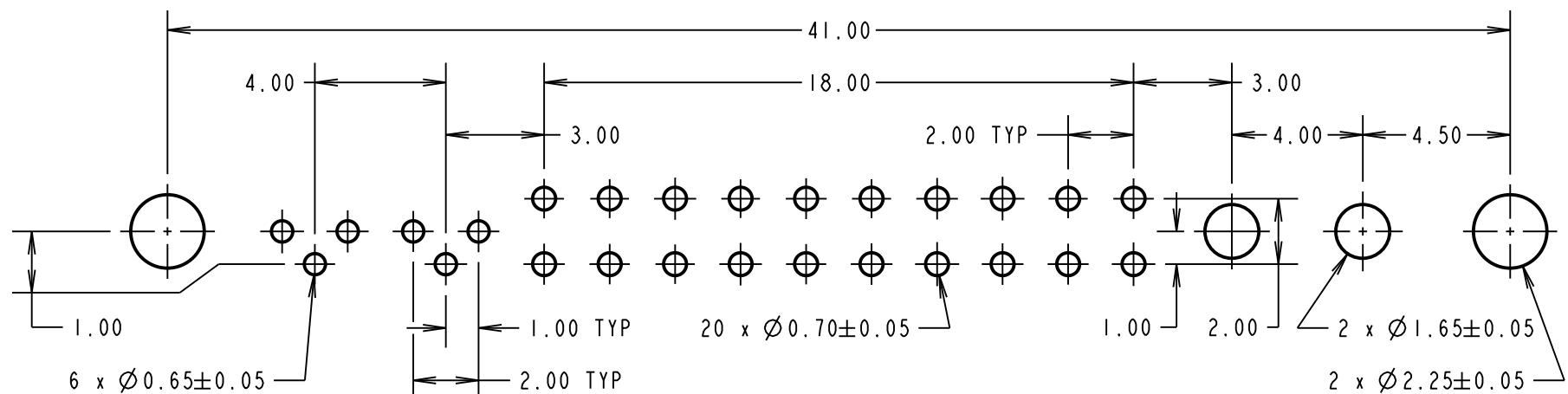
TUBE
FOR COMPLETE SPECIFICATION SEE COMPONENT
SPECIFICATION C005XX (LATEST ISSUE)



NOTES:
1. CONNECTORS ARE SUPPLIED
WITH SCREWS LOOSE.



RECOMMENDED PCB LAYOUT



LS 2 24.10.17 13269

NAME ISS. DATE C/NOTE

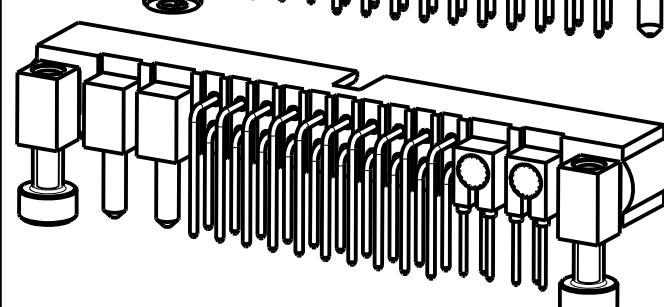
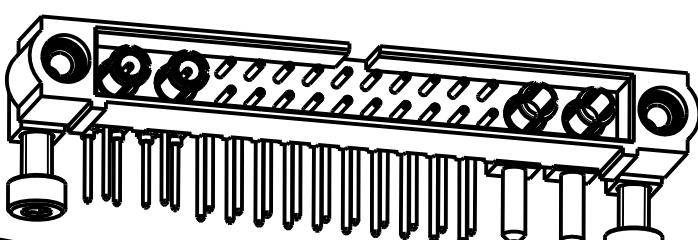
APPROVED: LS

CHECKED: SB

DRAWN: S.BENNETT

CUSTOMER REF.:

ASSEMBLY DRG:



COMPLETE ASSEMBLY SHOWN
FOR ILLUSTRATION ONLY

HARWIN

www.harwin.com
technical@harwin.com

THIS DRAWING AND ANY
INFORMATION OR DESCRIPTIVE
MATERIAL SET OUT HEREON ARE
CONFIDENTIAL AND COPYRIGHT
PROPERTY OF THE HARWIN
GROUP AND MUST NOT BE
DISCLOSED, LOANED, COPIED
OR USED FOR MANUFACTURING,
TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.

TOLERANCES

X. = ± 1 mm
X.X = ± 0.50 mm
X.XX = ± 0.10 mm
X.XXX = ± 0.01 mm
ANGLES = $\pm 5^\circ$
UNLESS STATED

MATERIAL:

SEE ABOVE

TITLE: JACKSCREW DATAMATE
MIXED TECHNOLOGY HORIZONTAL
PC TAIL MALE ASSEMBLY

DRAWING NUMBER: M80-5L22042M7-02-334-02-314

SHT
2 OF 2