

Customer Information Sheet

DRAWING No.: M80-5L20842M7-03-334-01-314

SHEET 2 OF 2

IF IN DOUBT - ASK

©

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

COAX CONTACT: BODY, INNER CONTACT = GOLD

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:

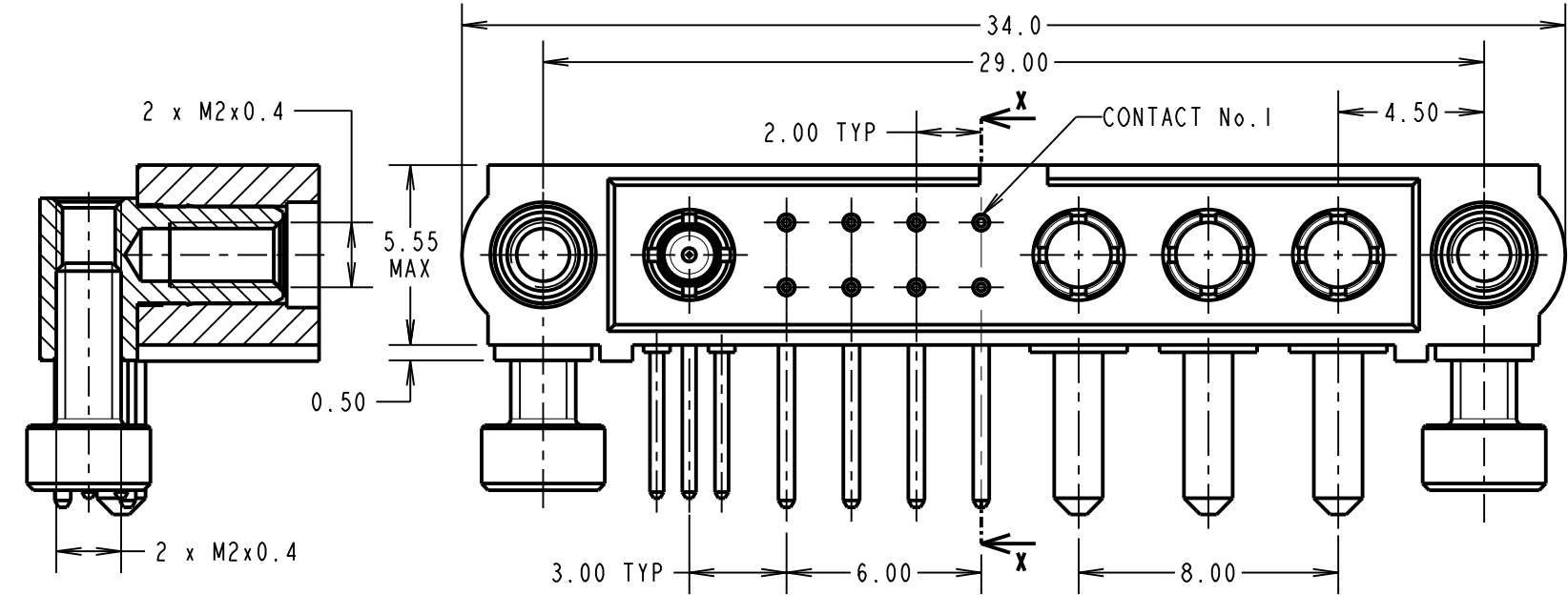
TRAY

FOR COMPLETE SPECIFICATION SEE COMPONENT

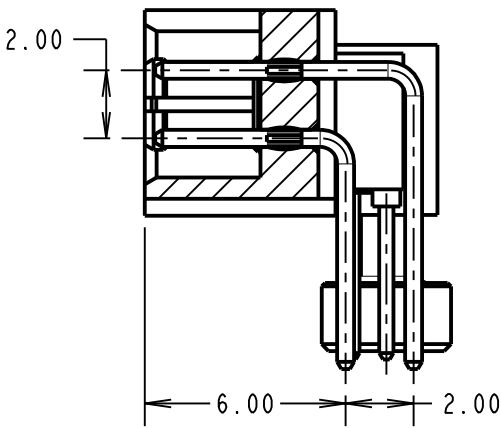
SPECIFICATION C005XX (LATEST ISSUE)

NOTES:

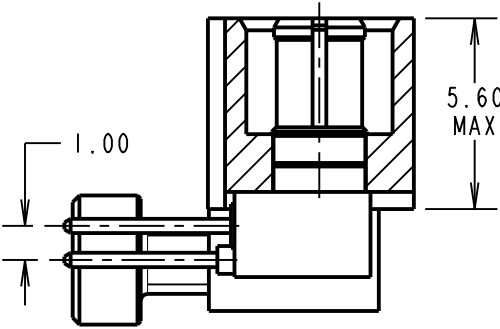
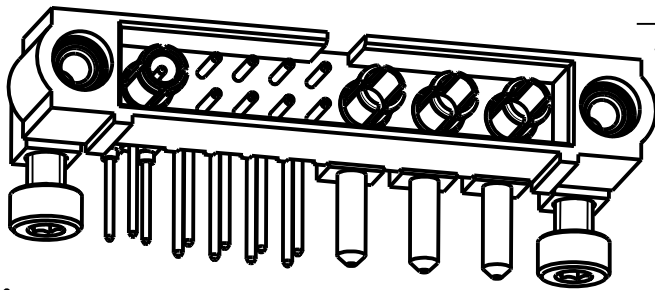
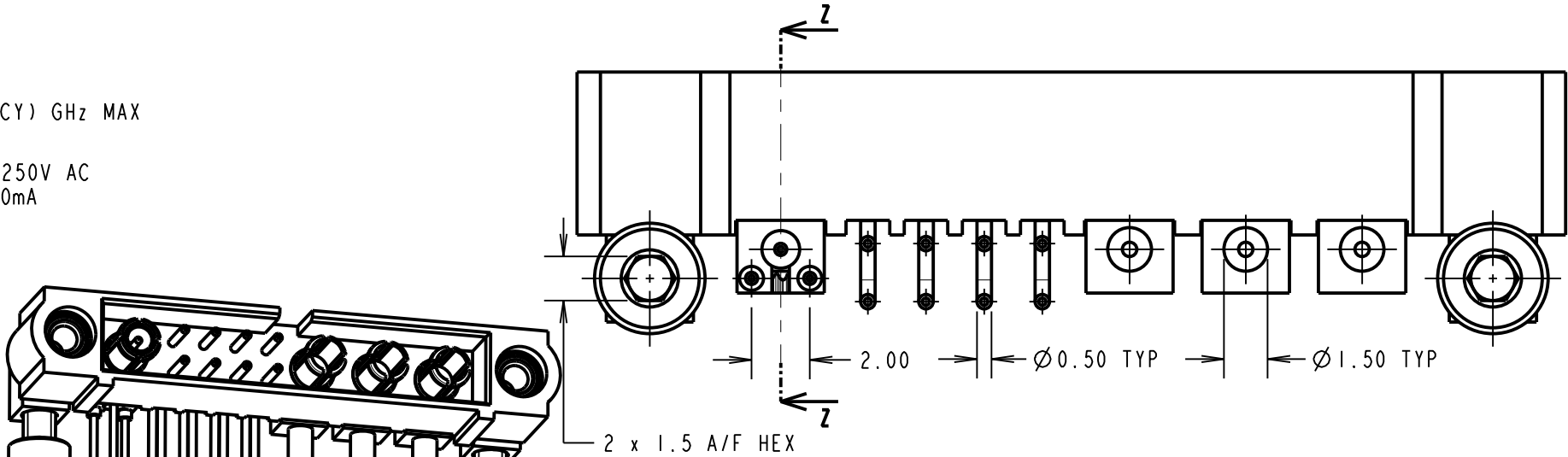
1. CONNECTORS ARE SUPPLIED WITH SCREWS LOOSE.



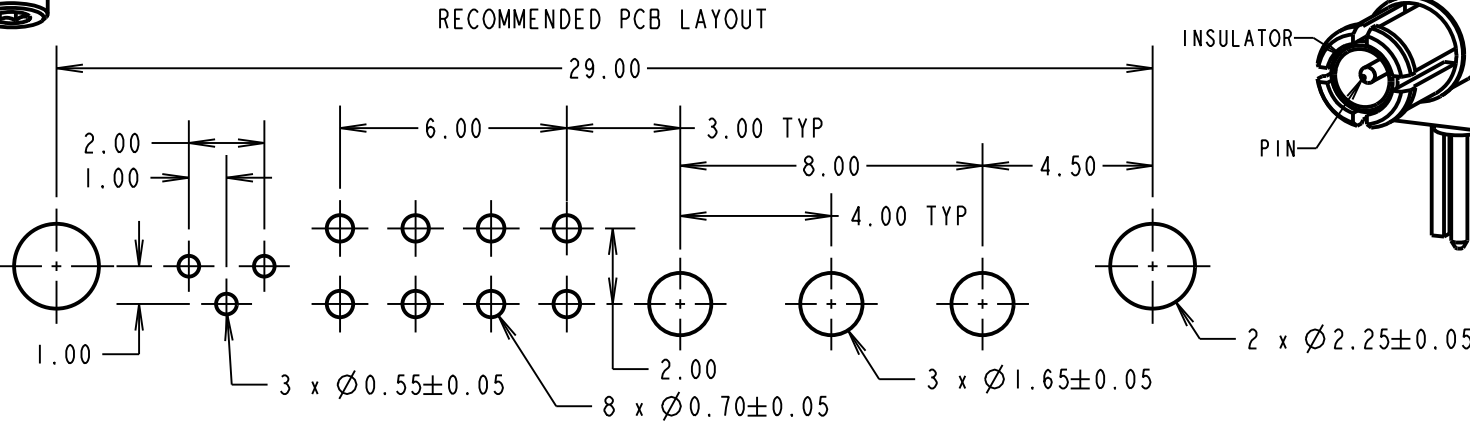
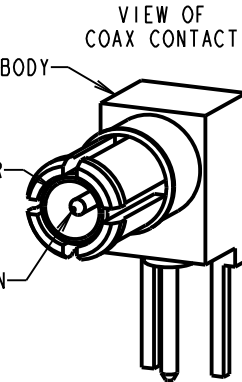
SECTION Y-Y



SECTION X-X

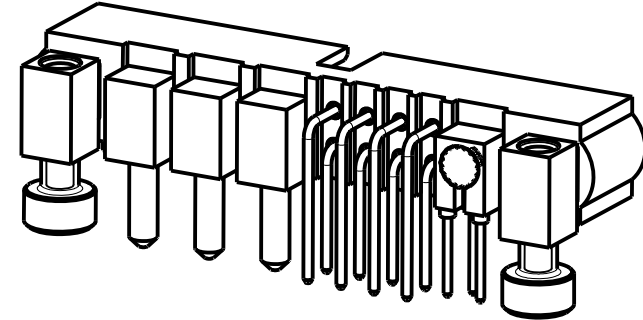


SECTION Z-Z



VIEW OF POWER CONTACT

COMPLETE ASSEMBLY SHOWN FOR ILLUSTRATION ONLY



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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

FINISH:

SEE ABOVE

S/AREA:

mm²

TITLE: JACKSCREW DATAMATE
MIXED TECHNOLOGY HORIZONTAL
PC TAIL MALE ASSEMBLY

DRAWING NUMBER:

M80-5L20842M7-03-334-01-314

SHT

2 OF 2

LS	2	25.10.17	13269
NAME	ISS.	DATE	C/NOTE
APPROVED: LS			
CHECKED: MGP			
DRAWN: R. ADDE			
CUSTOMER REF.:			
ASSEMBLY DRG:			