

Customer Information Sheet

DRAWING No.: M80-301 TO M80-302

SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATIONS:**MATERIALS:**

BODY AND INNER CONTACT = COPPER ALLOY

INSULATOR = PTFE

FINISH:

BODY, INNER CONTACT = GOLD

ELECTRICAL:

FREQUENCY RANGE = 6GHz

IMPEDANCE = 50Ω V.S.W.R. = $1.05 + (0.04 \times \text{FREQUENCY}) \text{ GHz MAX}$ CONTACT RESISTANCE = $6\text{m}\Omega \text{ MAX}$ INSULATION RESISTANCE = $10^6 \text{M}\Omega @ 250\text{V AC}$

OPERATING VOLTAGE = 180V AC @ 500mA

MAXIMUM VOLTAGE = 1,000V AC

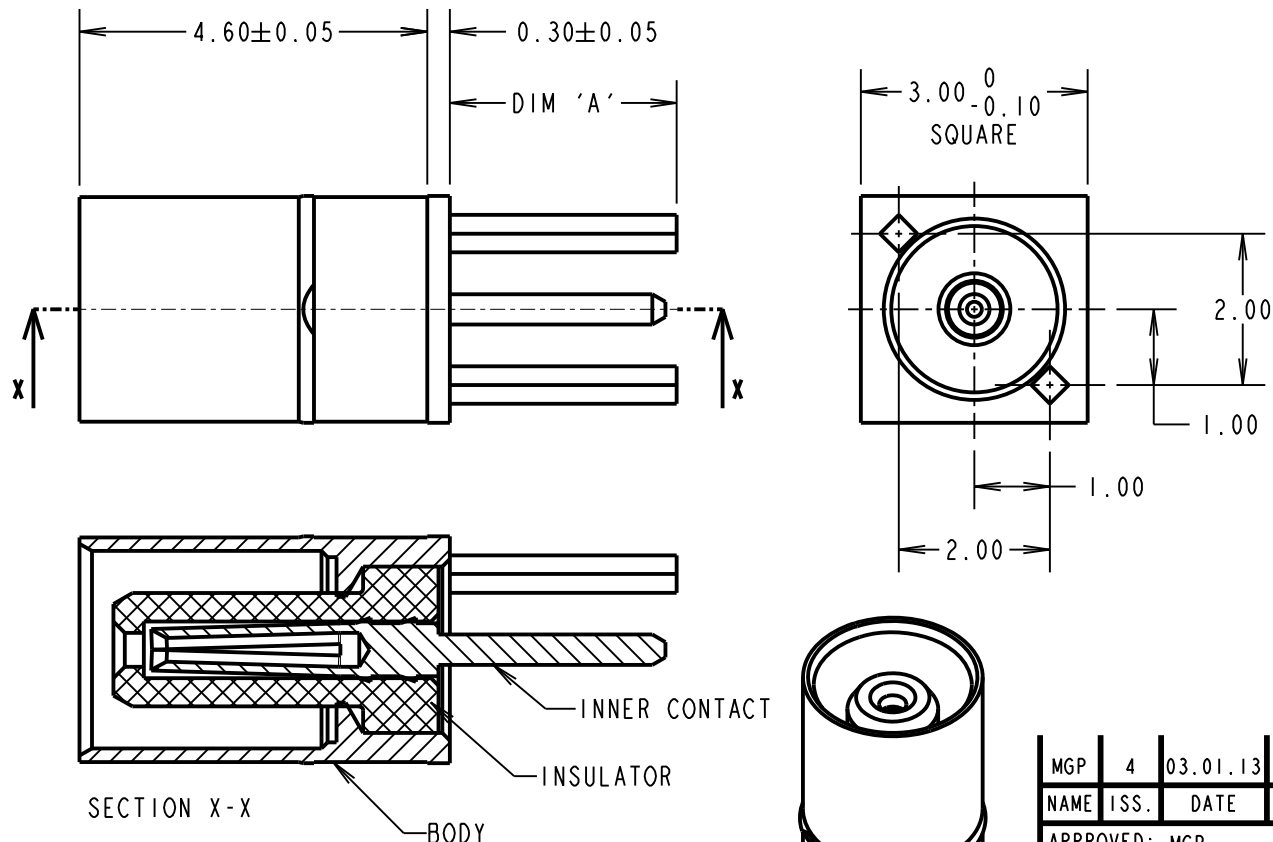
MECHANICAL:

DURABILITY = 500 OPERATIONS

INSERTION FORCE = 8N MAX

WITHDRAWAL FORCE = 0.5N MIN

CONTACT REPLACEMENT IN INSULATOR = 5 TIMES

ENVIRONMENTAL:TEMPERATURE RANGE = -55°C TO $+125^\circ\text{C}$ **NOTES:**

1. CONNECTORS COMES SUPPLIED ASSEMBLED.
2. RECOMMENDED PCB HOLE SIZE = $\varnothing 0.60\text{mm}$ MIN.
3. FOR ALL OTHER ELECTRICAL/ MECHANICAL REQUIREMENTS, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE).

PART No.	DIM 'A'
M80-301	3.00
M80-302	4.50

HARWIN

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MATTER SET OUT HEREON ARE
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TOLERANCES

X. = $\pm 1\text{mm}$
X.X = $\pm 0.25\text{mm}$
X.XX = $\pm 0.10\text{mm}$
X.XXX = $\pm 0.01\text{mm}$

ANGLES = $\pm 5^\circ$

UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA:

mm²

TITLE: DATAMATE MIX-TEK
COAX CONTACT
FEMALE VERTICAL PC-TAIL

DRAWING NUMBER:

M80-301 TO M80-302

SHT
2 OF 2

MGP	4	03.01.13	11734
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SB			
DRAWN: B. M. KENT			
CUSTOMER REF.:			
ASSEMBLY DRG:			

Mouser Electronics

Authorized Distributor

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[M80-301](#) [M80-302](#)