

Customer Information Sheet

DRAWING No.: M80-315 TO M80-317

SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATIONS:**MATERIALS:**

BODY, SLEEVE, INNER CONTACT AND
LATCHING COLLAR = COPPER ALLOY
INSULATOR = PTFE

FINISH:

BODY, SLEEVE, INNER CONTACT = GOLD
LATCHING COLLAR = NICKEL

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

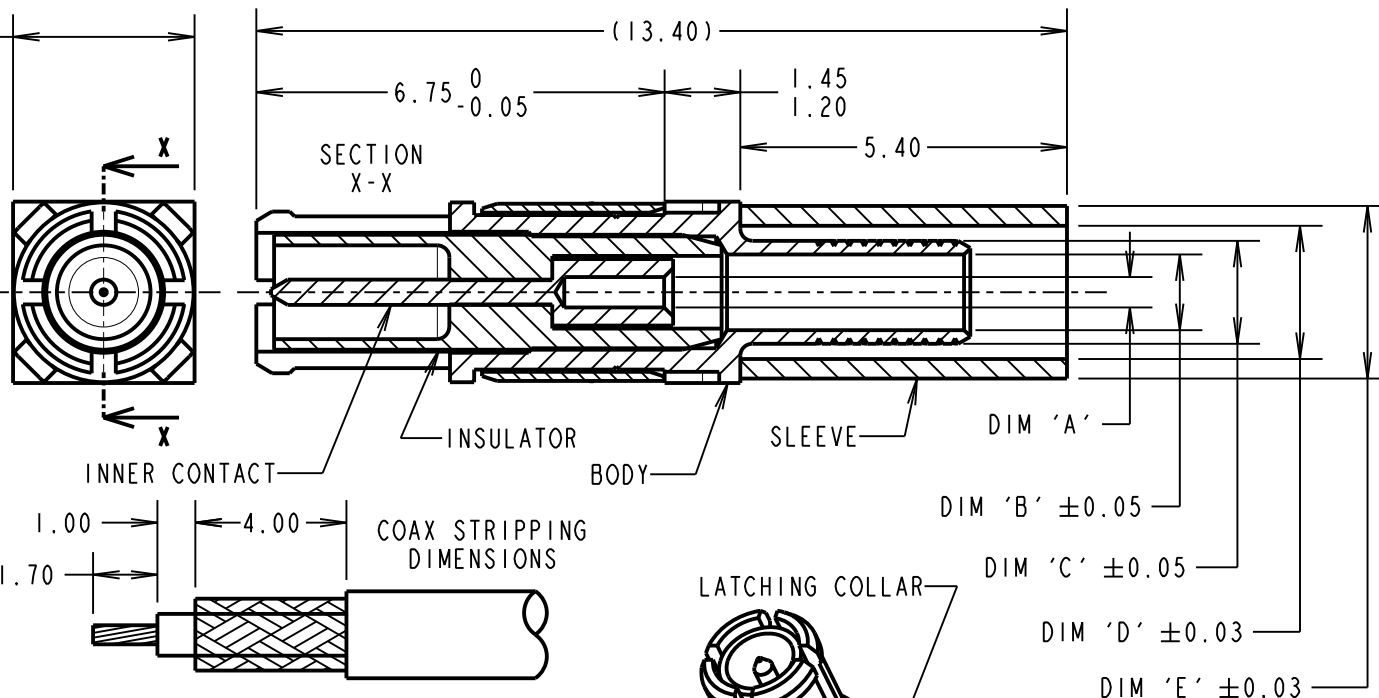
INSERTION FORCE = 8N MAX

WITHDRAWAL FORCE = 0.5N MIN

CONTACT REPLACEMENT IN INSULATOR = 5 TIMES

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

3.00⁰_{-0.10}
SQUARE

**NOTES:**

- CONNECTOR COMES SUPPLIED AS A KIT OF PARTS: BODY, INSULATOR, AND LATCHING COLLAR ARE PRE-ASSEMBLED, SLEEVE AND INNER CONTACT ARE SEPARATE.
- RECOMMENDED HAND CRIMP TOOL FOR INNER CONTACT = Z80-292 WITH POSITIONER Z80-291. RECOMMENDED HAND CRIMP TOOL AND DIE SET FOR SLEEVE = Z80-293.
- CONTACT EXTRACTION TOOL = Z80-290
- FOR ALL OTHER ELECTRICAL/MECHANICAL REQUIREMENTS, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE).

PART No.	CABLE DIAMETER (TYPE)	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'
M80-315	Ø2.0mm (RG178)	Ø0.50 ±0.05	Ø1.25	Ø1.70	Ø2.20	Ø2.85
M80-316	Ø2.4mm (PTFE CELLULAR)	Ø0.35 +0.05/-0	Ø1.25	Ø1.70	Ø2.70	Ø3.20
M80-317	Ø2.7mm (RG174, 179, 316)	Ø0.70 ±0.05	Ø1.75	Ø2.35	Ø2.85	Ø3.50

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TOLERANCES

X. = ±1mm
X.X = ±0.25mm
X.XX = ±0.10mm
X.XXX = ±0.01mm

ANGLES = ±5°

UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA:

mm²

TITLE: DATAMATE MIX-TEK
COAX CONTACT
MALE STRAIGHT CRIMP

DRAWING NUMBER:

M80-315 TO M80-317

SHT
2 OF 2

MGP	6	03.01.13	11898
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SB			
DRAWN: W. J. BOURNE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

AMEYA360

Components Supply Platform

Authorized Distribution Brand :



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