

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
= COPPER ALLOY
LATCHING COLLAR = BERYLLIUM COPPER
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 = $6m\Omega \text{ MAX}$

INSULATION RESISTANCE = $10^6 M\Omega @ 250V \text{ AC}$
OPERATING VOLTAGE = $180V \text{ AC @ } 500mA$
MAXIMUM VOLTAGE = $1,000V \text{ AC}$

MECHANICAL:

DURABILITY = 500 OPERATIONS
INSERTION FORCE = $5N \text{ MAX}, 0.6N \text{ MIN}$
WITHDRAWAL FORCE = $2N \text{ MAX}, 0.5N \text{ MIN}$
CONTACT REPLACEMENT IN INSULATOR = 5 TIMES

ENVIRONMENTAL:

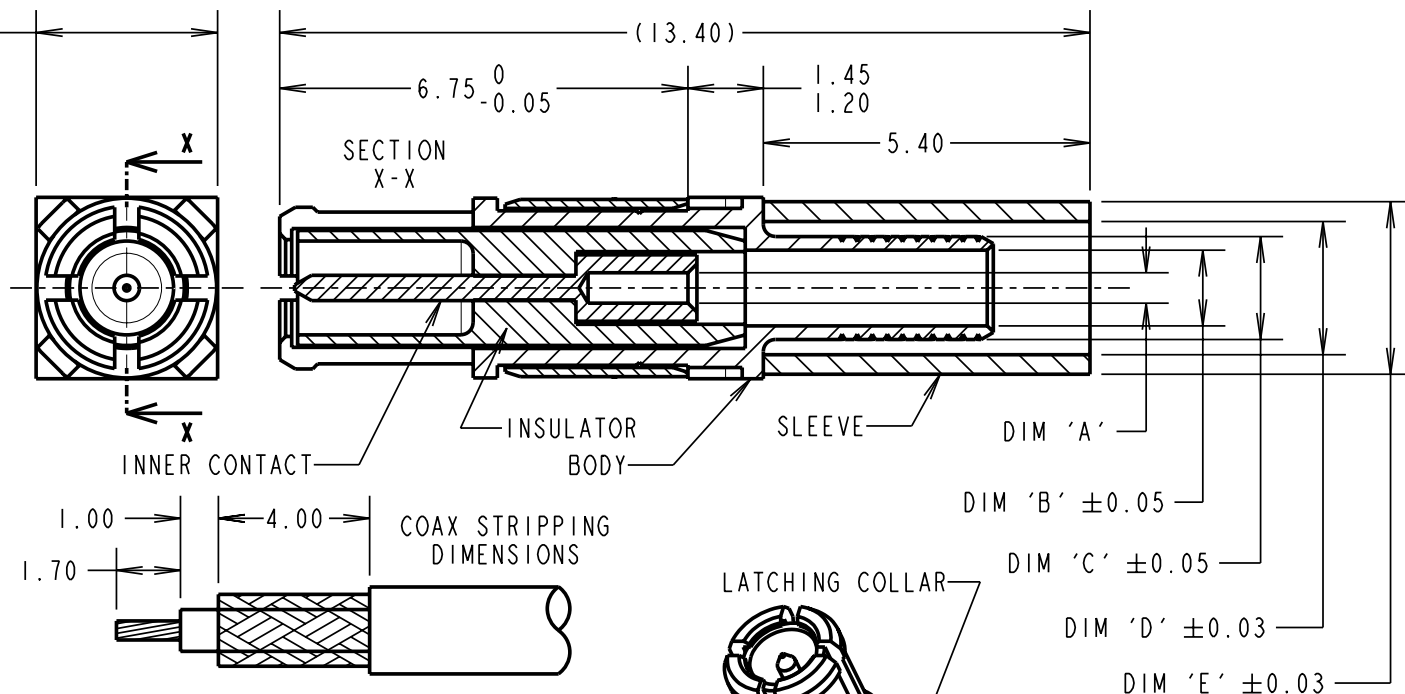
TEMPERATURE RANGE = $-55^\circ\text{C TO } +125^\circ\text{C}$

NOTES:

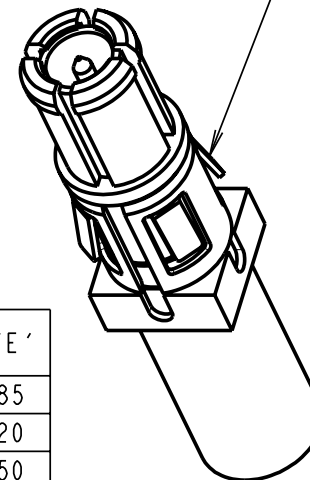
- CONNECTOR COMES SUPPLIED AS A KIT OF PARTS: BODY, INSULATOR, AND LATCHING COLLAR ARE PRE-ASSEMBLED, SLEEVE AND INNER CONTACT ARE SEPARATE.
- RECOMMENDED HAND CRIMP TOOL FOR INNER CONTACT = Z80-292 WITH POSITIONER Z80-291. RECOMMENDED HAND CRIMP TOOL AND DIE SET FOR SLEEVE = Z80-293.
- CONTACT EXTRACTION 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	$\varnothing 2.0\text{mm}$ (RG178)	$\varnothing 0.50 \pm 0.05$	$\varnothing 1.25$	$\varnothing 1.70$	$\varnothing 2.20$	$\varnothing 2.85$
M80-316	$\varnothing 2.4\text{mm}$ (PTFE CELLULAR)	$\varnothing 0.35 +0.05/-0$	$\varnothing 1.25$	$\varnothing 1.70$	$\varnothing 2.70$	$\varnothing 3.20$
M80-317	$\varnothing 2.7\text{mm}$ (RG174, 179, 316)	$\varnothing 0.70 \pm 0.05$	$\varnothing 1.75$	$\varnothing 2.35$	$\varnothing 2.85$	$\varnothing 3.50$

3.00⁰_{-0.10}
SQUARE



LATCHING COLLAR



MGP	3	27.01.09	10272
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: RA			
DRAWN: W. J. BOURNE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

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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
MALE STRAIGHT CRIMP

DRAWING NUMBER:

M80-315 TO M80-317

SHT
2 OF 2