

# Customer Information Sheet

SHEET 2 OF 2

©

ALL DIMENSIONS IN mm

**SPECIFICATIONS:**

**MATERIALS:**

BODY, SLEEVE, END PLUG BODY, INNER CONTACT AND  
LATCHING COLLAR = COPPER ALLOY

INSULATORS = PTFE

FINISH:

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

ELECTRICAL:

## ELECTRICAL:

FREQUENCY RANGE = 6GHz

IMPEDANCE =  $50\Omega$

$$V.S.W.R. = 1.05 + (0.04 \times \text{FREQUENCY}) \text{ GHz MAX}$$

CONTACT RESISTANCE =  $6\text{m}\Omega$  MAX

INSULATION RESISTANCE =  $10^6 \text{ M}\Omega$  @250V AC

OPERATING VOLTAGE = 180V AC @ 500mA

MAXIMUM VOLTAGE = 1.000V AC

MECHANICAL:

DURABILITY = 500 OPERATIONS

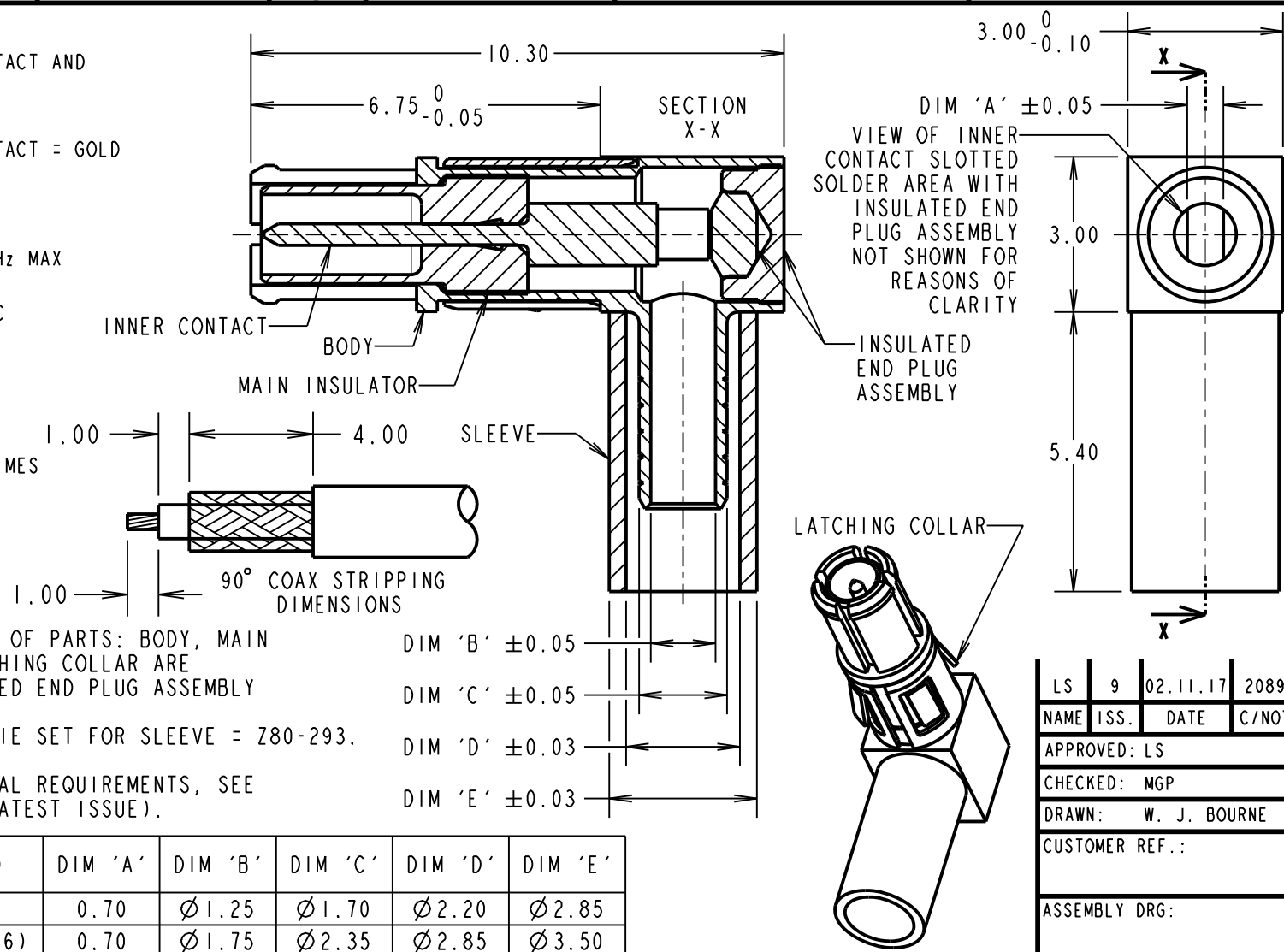
INSERTION FORCE = 8N MAX

WITHDRAWAL FORCE = 0.5N

CONTACT REPLACEMENT IN INSULATOR = 5 TIMES

## ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C



NOTES:

1. CONNECTOR COMES SUPPLIED AS A KIT OF PARTS: BODY, MAIN INSULATOR, INNER CONTACT AND LATCHING COLLAR ARE PRE-ASSEMBLED, SLEEVE AND INSULATED END PLUG ASSEMBLY ARE SEPARATE.
2. RECOMMENDED HAND CRIMP TOOL AND DIE SET FOR SLEEVE = Z80-293.
3. CONTACT EXTRACTION TOOL = Z80-290
4. 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' |
|----------|---------------------------|---------|---------|---------|---------|---------|
| M80-318  | Ø 2.0mm (RG178)           | 0.70    | Ø 1.25  | Ø 1.70  | Ø 2.20  | Ø 2.85  |
| M80-319  | Ø 2.7mm (RG174, 179, 316) | 0.70    | Ø 1.75  | Ø 2.35  | Ø 2.85  | Ø 3.50  |

# HARWIN

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## TOLERANCES

$X = \pm 1\text{mm}$   
 $X.X = \pm 0.50\text{mm}$   
 $X.XX = \pm 0.10\text{mm}$   
 $X.XXX = \pm 0.01\text{mm}$

ANGLES =  $\pm 5^\circ$   
UNLESS STATED

**MATERIAL:**

SEE ABOVE

FINISH: SEE ABOVE

S/AREA:

mm<sup>2</sup>

TITLE: DATAMATE MIX-TEK  
COAX CONTACT  
MALE 90° CRIMP/SOLDER

DRAWING NUMBER:

M80-318 TO M80-319

SHT  
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