



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Customer Information Sheet

DRAWING No.: M80-305 TO M80-307

SHEET 2 OF 2

IF IN DOUBT - ASK

©

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

OPERATING VOLTAGE = 180V AC @ 500mA

MAXIMUM VOLTAGE = 1,000V AC

MECHANICAL:

DURABILITY = 500 OPERATIONS

INSERTION FORCE = 8N MAX

WITHDRAWAL FORCE = 0.5N MIN

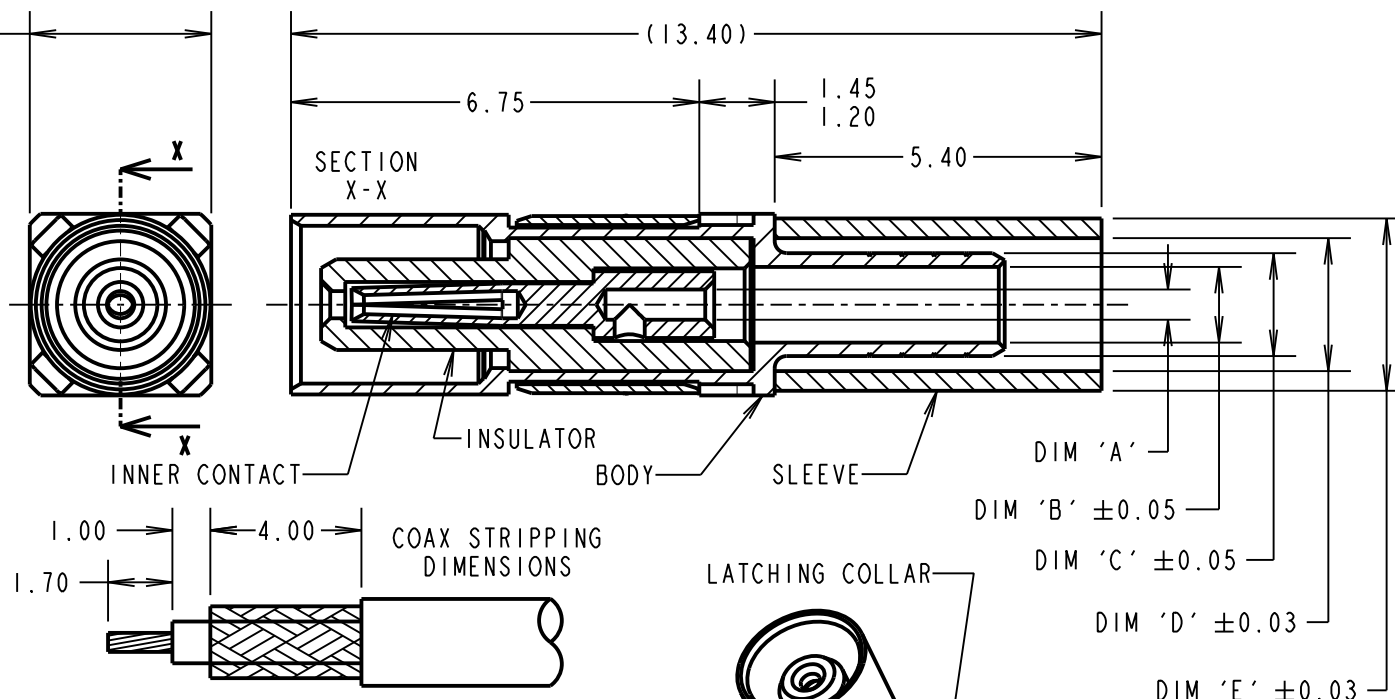
CONTACT REPLACEMENT IN INSULATOR = 5 TIMES

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

- 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'
M80-305	$\varnothing 2.0\text{mm}$ (RG178)	$\varnothing 0.50 \pm 0.05$	$\varnothing 1.25$	$\varnothing 1.70$	$\varnothing 2.20$	$\varnothing 2.85$
M80-306	$\varnothing 2.4\text{mm}$ (PTFE CELLULAR)	$\varnothing 0.35 +0.05/-0$	$\varnothing 1.25$	$\varnothing 1.70$	$\varnothing 2.70$	$\varnothing 3.20$
M80-307	$\varnothing 2.7\text{mm}$ (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



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

HARWIN

www.harwin.com
technical@harwin.com

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DISCLOSED, LOANED, COPIED
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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 STRAIGHT CRIMP

DRAWING NUMBER:

M80-305 TO M80-307

SHT
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