LOC	DIST
E	B

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B1	REVISED PER ECO–11–005033	01APR11	RK	HMR

NOTES:

1. SINGLE PACK IN ACCORDANCE WITH SPEC 107–3275
2. 100 BULK PACK IN ACCORDANCE WITH SPEC 107–3275
3. 0.08µm GOLD PLATING
4. 0.76µm GOLD PLATING
5. PASSIVATED (GOLD PLATED CABLE ENTRY)
6. ELECTRICAL CHARACTERISTICS

FREQUENCY RANGE:	
BRASS BODY:	DC – 6.0GHz
STAINLESS STEEL (PASSIVATED):	DC – 18.0GHz
STAINLESS STEEL (GOLD):	DC – 18.0GHz
NOMINAL IMPEDANCE:	50 Ohm
INSULATION RESISTANCE:	5000 MOhm
WORKING VOLTAGE:	500 Volts RMS at Sea Level
DIELECTRIC WITHSTAND VOLTAGE:	1500 Volts RMS Max
CONTACT RESISTANCE:	
CENTRE CONTACT:	3 mOhm Max
OUTER CONTACT:	2 mOhm Max
VSWR @ 4GHz:	1.35:1
INSERTION LOSS dB @ x 1.5 GHz:	0.06 Max

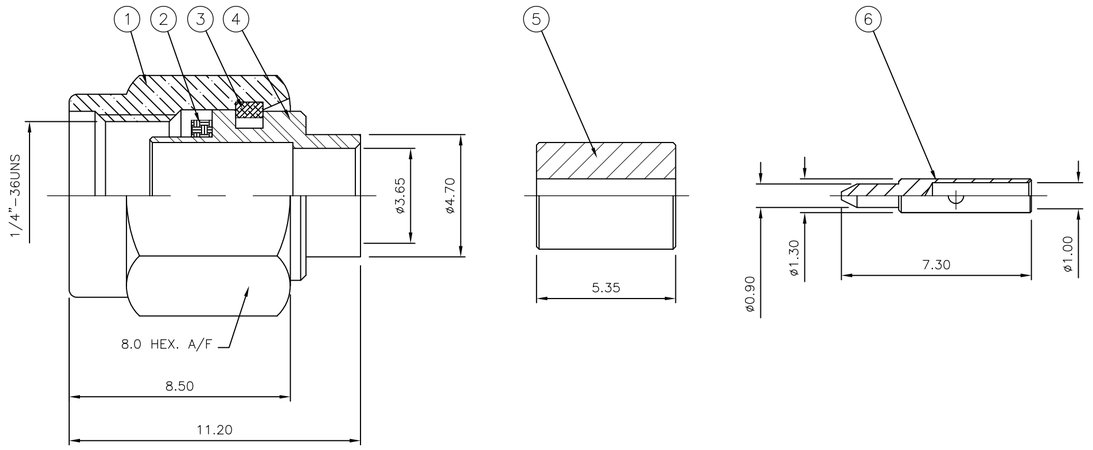
7. MECHANICAL CHARACTERISTICS

COUPLING NUT RETENTION FORCE:	267N
CABLE RETENTION FORCE:	110N Min
CLAMP NUT RECOMMENDED TORQUE:	80–110N
DURABILITY:	500 Cycles Min

8. ENVIRONMENTAL CHARACTERISTICS

OPERATING TEMPERATURE:	–65 to +165 DegC

9. FOR TECHNICAL DATA REFER TO YOUR LOCAL TE CONNECTIVITY SALES OFFICE
10. ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED



1	1	1	1	1	1	BRASS [4]	CENTER CONTACT	6
1	1	1	1	1	1	PTFE	INSULATOR	5
1	1	–	–	–	–	BRASS [3]	BODY	4
–	–	1	1	–	–	STAINLESS STEEL [5]	BODY	4
–	–	–	–	1	1	STAINLESS STEEL [3]	BODY	4
1	1	1	1	1	1	STAINLESS STEEL	CIRCLIP	3
1	1	1	1	1	1	SILICON	GASKET	2
1	1	–	–	–	–	BRASS [3]	SHELL	1
–	–	1	1	–	–	STAINLESS STEEL [5]	SHELL	1
–	–	–	–	1	1	STAINLESS STEEL [3]	SHELL	1
3--1	3--0	2--1	2--0	1--1	1--0	MATERIAL	DESCRIPTION	ITEM
[2]	[1]	[2]	[1]	[2]	[1]			
QUANTITY PER ASSY						PARTS LIST		

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	± –
1 PLC	± –
2 PLC	± –
3 PLC	± –
4 PLC	± –
ANGLES	± –

MATERIAL: SEE TABLE

FINISH: –

DWN	R.SMITH 28JAN04
CHK	S.PARLOW 28JAN04
APVD	F.WHEELER–KING 28JAN04
PRODUCT SPEC	–
APPLICATION SPEC	–
WEIGHT	–

TE Connectivity

NAME: SMA STRAIGHT PLUG DIRECT SOLDER NON CAPTIVE CENTRE CONTACT RG402/U

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1478903	–

CUSTOMER DRAWING | SCALE NTS | SHEET 1 OF 2 | REV B1

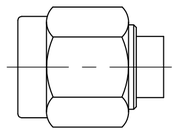
1478903

LOC	DIST
E	B

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—

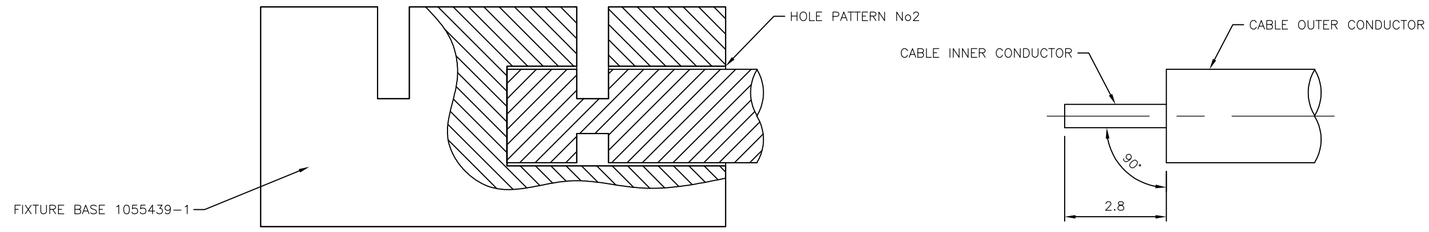
COMPONENTS

MAIN BODY (ITEM 1,2,3,4)	DIELECTRIC (ITEM 5)	CENTRE CONTACT (ITEM 6)				
						

ASSEMBLY INSTRUCTIONS
RG402/U

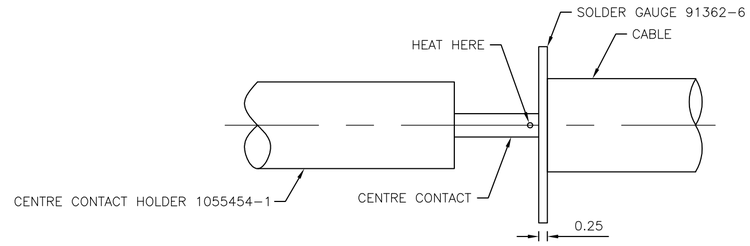
STEP 1: PREPARATION OF CABLE

1. INSERT SQUARED CABLE END INTO FIXTURE BASE HOLE PATTERN No. 2
2. PLACE SAW IN SAW SLOT AND CUT THROUGH OUTER CONDUCTOR AND INTO DIELECTRIC WHILST ROTATING CABE
3. REMOVE CABE FROM FIXTURE AND FINISH CUTTING DIELECTRIC WITH CUTTING BLADE
4. BARE INNER CONDUCTOR BY PRYING CUT OUTER CONDUCTOR AND DIELECTRIC FROM CABLE
5. TRIM CABLE INNER CONDUCTOR TO LENGTH



STEP 2: SOLDERING OF CENTRE CONTACT TO CABLE

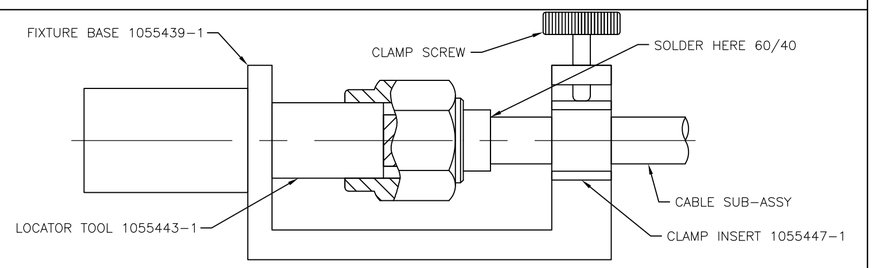
1. TIN INNER CONDUCTOR OF CABLE
2. PLACE SOLDER GAUGE ON INNER CONDUCTOR FLUSH WITH END OF OUTER CONTACT
3. PLACE CENTRE CONTACT IN HOLDER. HEAT CENTRE CONTACT AND PUSH IT OVER INNER CONDUCTOR OF CABLE TO REST FIRMLY AGAIN SOLDER GAUGE
4. REMOVER SOLDER GAUGE AND EXCESS SOLDER



STEP 3: SOLDERING OF CABLE TO HOUSING

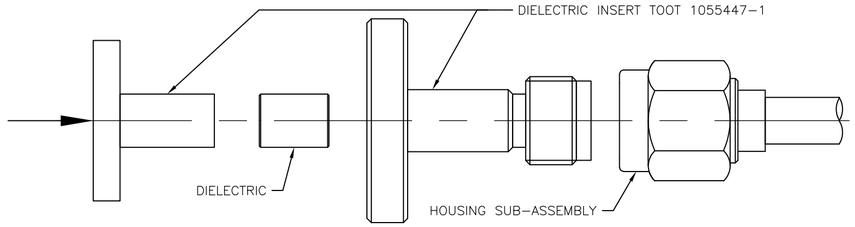
1. SCREW HOUSING ASSEMBLY ONTO LOCATOR TOOL
2. CAREFULLY INSERT CABLE ASSEMBLY INTO PRE–ASSEMBLED HOUSING DIELECTRIC OF HOUSING ASSEMBLY
3. PLACE LOOSE ASSEMBLY IN FIXTURE BASE AS SHOWN
4. BOTTOM LOCATOR TOOL AGAIN FIXTURE BASE AS SHOWN
5. MAINTAINING PRESSURE ON CABLE TO KEEP LOCATOR TOOL BOTTOMED TIGHTEN CLAMP SCREW TO SECURE CABLE
6. SLODER CABLE TO HOUSING

NOTE: FIXTURE SHOULD BE CLAMPED VERTICALLY IN VICE (SO THAT CONNECTOR INTERFACE IS FACING DOWN)



STEP 4: PRESSING OF DIELECTRIC INTO HOUSING SUB–ASSEMBLY

1. THREAD INSERT TOOL INTO HOUSING SUB–ASSEMBLY
2. INSERT DIELECTRIC INTO INSERT TOOL HOUSING
3. PLACE INSERT TOOL PLUNGER INTO POSITION AND PRESS UNTIL FLANGE BOTTOMS ON TOOL HOUSING
4. ASSEMBLY IS NOW COMPLETE



NOTES: INTERFACE DIMENSIONS PER MIL–STD–384A–310–1

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DIMENSIONS: mm

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MATERIAL: SEE TABLE

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CUSTOMER DRAWING

TE Connectivity

NAME: SMA STRAIGHT PLUG DIRECT SOLDER NON CAPTIVE CENTRE CONTACT RG402/U

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C–1478903	—

SCALE	SHEET	REV
NTS	2 OF 2	B1

1478903

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TE Connectivity:

1-1478903-0