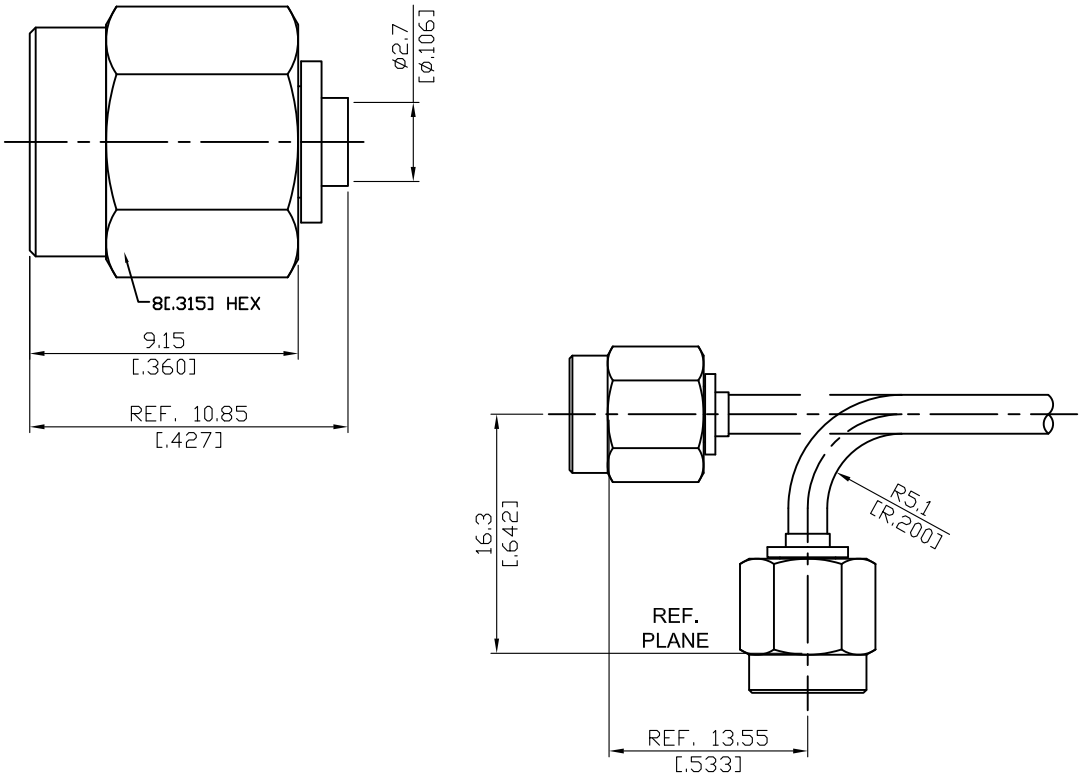
SMA32NP-0405	SMA Plug Solder With Small Bend Radius For Flexible RG405; 27GHz VSWR 1.2*	50Ω



*Using 5002

Parts	Material	Plating (Micro-inch)
Coupling Nut	Stainless Steel	Passivated
Body	Stainless Steel	Passivated
Insulator	Teflon	
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Braid Clamp	Stainless Steel	Passivated
Gasket	Silicone	
Solder Ferrule	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Suitable Cables:
SS405, 5002, 5002LD, T-Flex405, Multibend 405, .085SRF-W-P-50-F; Multiflex 86

Interface	
MIL-STD-348A	
Mechanically compatible with	2.92 & 3.5
Electrical Data	
Impedance	50Ω
Frequency range	DC to 27GHz
VSWR	≦1.2 (DC to 27GHz)
Insertion loss	$\leqq 0.04 \times \sqrt{f(GHz)}$ dB
Insulation resistance	≧5000MΩ
Contact resistance inner conductor	≦3mΩ
Contact resistance outer conductor	≦2mΩ
Dielectric withstanding voltage (at sea level)	750 V rms
Working voltage (at sea level)	250 V rms
Mechanical Date	
Recommended coupling nut torque	7 to 9.5 inch lbs
Coupling proof torque	15 inch lbs
Coupling nut retention force	≧60.7 lbs
Contact Captivation-axial	≧6.1 lbs
Durability (mating)	≧500
Environmental Data	
Temperature range	-65°C to +165°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Moisture resistance	MIL-STD-202, Method 106
Corrosion	MIL-STD-202, Method 101, Condition B
RoHS	Compliant
Tooling	
Soldering gauge 0.3mm thick	ST-0.3

CABLE ASSEMBLY INSTRUCTION

SMA32NP-0405	DATE	2016/04/28	REV	—

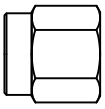
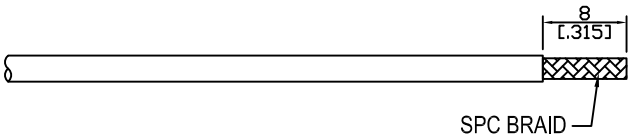
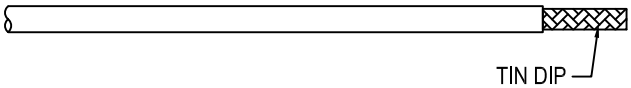
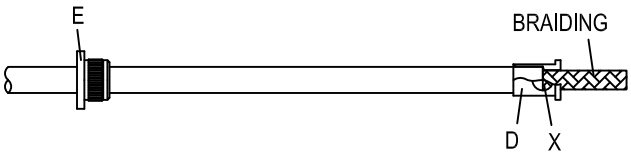
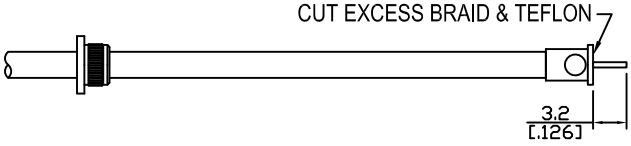
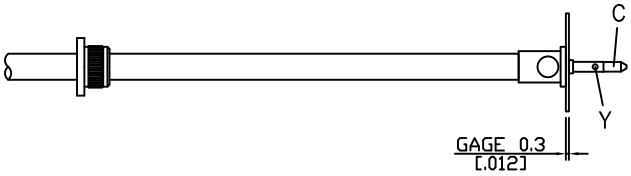
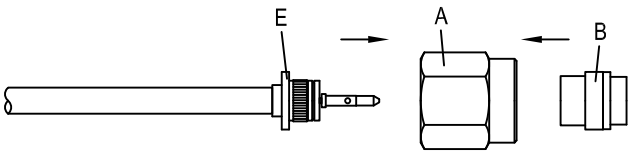
A	B	C	D	E
				
SHELL	BODY +GASKET	CONTACT PIN	SOLDER FERRULE	BRAID CLAMP

DIAGRAM	ASSEMBLY INSTRUCTION
	Step 1: STRIP AS SHOWN.
	Step 2: TIN DIP SPC BRAIDING.
	Step 3: SLIDE BRAID CLAMP " E " AND SOLDER FERRULE " D " OVER THE CABLE. Step 4: SOLDER IN " X ".
	Step 5: CUT AWAY ANY EXCESS BRAID AND TEFLON STICKING OUT OF THE SOLDER FERRULE. Step 6: CUT CENTER CONDUCTOR TO LENGTH.
	Step 7: PUT 0.3 MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CONTACT PIN " C " AND SOLDER IN " Y ".
	Step 8: USE PRESS MACHINE TO INSERT BRAID CLAMP " E " INTO THE SHELL " A " AND BODY " B ".

APPROVED	CHECKED	DRAWING

SMA32NP-0405

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