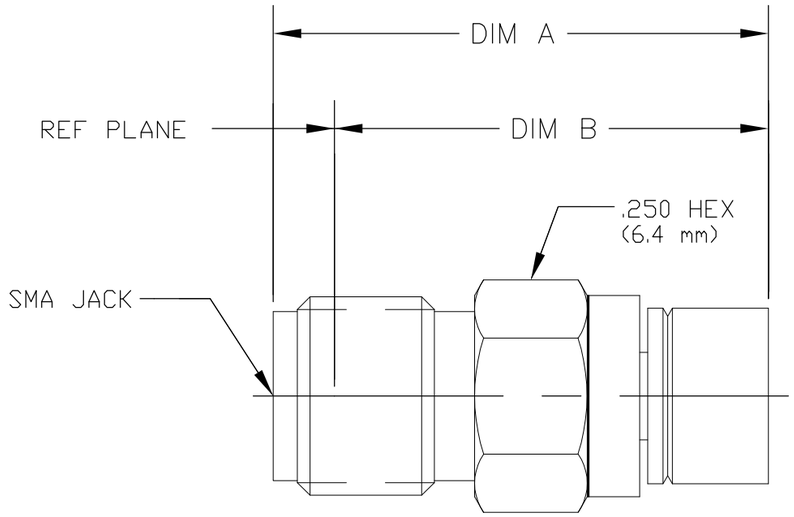
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION –,– .
© COPYRIGHT – BY TYCO ELECTRONICS CORPORATION. ALL INTERNATIONAL RIGHTS RESERVED.

LOC	DIST
—	—

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	REV PER ECO-10-020463	16DEC10	PY	DW

DESIGNED FOR USE WITH .085 S.R.(RG 405/U)	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.088
CONTACT	.021



NOTES:

1. PICTORIAL VIEW IS AFTER CRIMPING
2. MIN STRAIGHT CABLE LENGTH: .292
3. IT IS SUGGESTED TO BEND CABLE PRIOR TO CRIMPING
4. CRIMP BUSHING MAY BE SHIPPED UNASSEMBLED

BEFORE CRIMPING	.721 REF (18.3 mm)	.645 REF (16.4 mm)
AFTER CRIMPING	.620 MAX (15.7 mm)	.535 REF (13.6 mm)
	DIM "A"	DIM "B"

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions	TEMPERATURE RATING –65° TO +165°C
Frequency Range (GHz) DC to 18	MIL-STD-348 Fig 310.2	Vibration MIL-STD-202, Method
Volt Rating (VRMS MAX)	Recommended Mating	204, Condition D
@ Sea Level 335	Torque 7-10 In-lbs	Shock MIL-STD-202, Method 213,
VSWR 1.07+.01f(GHz)	Center Contact Captivation	Condition I
Insertion Loss (dB MAX) .03x $\sqrt{f(GHz)}$	Axial (Lbs) 6	Thermal Shock MIL-STD-202,
RF Leakage (dB MIN) -90 @ 2-3 GHz	Radial (In/Oz) NONE	Method 102, Condition C
Corona, 70,000 Ft (VRMS MIN) 250	Cable Retention	EXCEPT HIGH TEMP +115°C
Dielectric Withstanding Voltage	Axial Force (Lbs) 30	Moisture Resistance MIL-STD-202,
(VRMS MIN) @ Sea Level 1000	Torque (In/Oz) 16	Method 106
Contact Resistance (Milliohms MAX)	Weight (Grams) 2.1	Corrosion - MIL-STD-202, Method
Center Contact 3.0	Mating Characteristics	101, Condition B
Outer Contact 2.0	Insertion (Max Lbs) 3	
Cable to Housing 0.5	Withdrawal (Min Oz) 1	
RF High Potential @ Sea Level	Connector Engagement and	
(VRMS MIN @ 5 MHz) 670	Disengagement (In/Lbs Max) 2	
I.R.(Megohms MIN) 5000		

COMPONENT	MATERIAL	FINISH	PART NUMBER
HOUSING BUSHING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER ASTM-A380	1050934-1
DIELECTRIC	TFE FLUOROCARBON PER MIL-P-19468 AND FED SPEC L-P-403	N/A	
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B196, ALLOY 173	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550	

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	± –
1 PLC	± –
2 PLC	± –
3 PLC	± .005
4 PLC	± –
ANGLES	± –

MATERIAL: SEE TABLE

FINISH: SEE TABLE

DWN	16DEC2010 P. YEAGER
CHK	16DEC10 D. WILSON
APVD	16DEC10 D. WILSON
PRODUCT SPEC	—
APPLICATION SPEC	408-8758
WEIGHT	—

Tyco Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME
SMA STRAIGHT CABLE JACK
COMPRESSION CRIMP ATTACHMENT
M39012/81-3207 CAT F

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-1050934	—

CUSTOMER DRAWING

SCALE	SHEET	REV
6:1	1 OF 1	A

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

ROX05SJ18R 2-292161-3 3-1393225-0 3430B2F51RTDF SMW73R0JT 2380312-2 2310537-1 650075-000 CPF0402B37K4E1 2377783-2 MPT100C18RF TE50BR39J U5254-000005-030PA 1-794222-0 1743455-2 175977-2 1-962915-1 2005330-1 3631B101LL 936348-1 1903112-2 917696-1 CRGCQ2010J3K3 SBCHE154R7K RH73H2A40MKTN SBCHE64R7K 2834055-1 1393431-1 141991-2 1969656-1