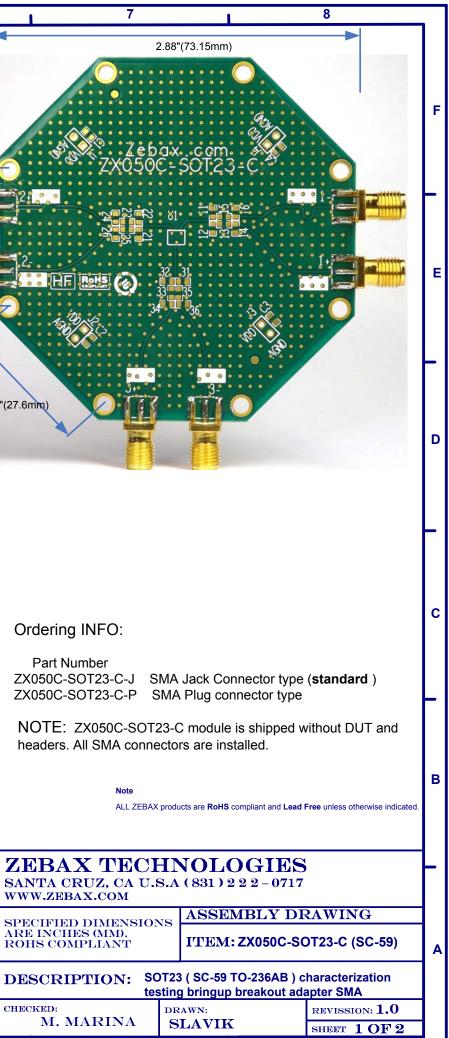
	1	2	•	3	1	4		1	5	6
	Product Name:	ZX050C-SOT23-C (SC-59 – TO-2	36AB)SOT2	3 Character	rization testin	g bringu	p breakout ı	nodule	
F	Product Description:	High Speed characteriza U1, is accessible as des	ition module mee cribed below:	eting 10GHz signa	al bandwidth wi	th < 0.3dB inserti	on loss. E	ach pin of the d	evice under test- DL	ит,
_		3- ZX50C-SOT23-C is d 4- Designed with 1oz co	connectors for ea esigned with 50 g pper ensuring too	ch ASIC pin, U1, Ω (Ohms) trace i day's design requ	1- External stir mpedance usir irements. Pleas	nulus 2- Measur ng 4 layers PCB e se allow thermal o	ensuring Po calculations	CB+Connector i s based on 1oz	copper.	
Е		Capacitors, C1, C2, C3 a	and C4 are the h	eaders' associate	d decoupling c	apacitors – 0.1 μ	F or similar	ſ.	2, J3 and J4). The	
	Application:	Bringup, Characterizatio					p.			2.88"(73.15mm)
	Target DUT :	Designed specifically for the SOT23 device.	any SOT23 (TC	0236AB, SC-59) S	MD device with	h SMA connector	access to	all pins of	Block Diagram	1.00"/27.62
D	Pitch:	Standard SOT23 (TO-2	36AB SC-59) SI	MD package or e	quivalent				See Page 2	-
	Headers:	2 pin test point (VDD - G								
	DUT landing pads:	Surface Mount, 3 pin pa	ckage – Body 2.9	JX1.3mm (Length	vviatn) or equ	livalent				
	SMA: Impedance: 50Ω		DIMENTION	S (mm)		ization testing bringup breakout module th < 0.3dB insertion loss. Each pin of the device under test- DUT, able on page 2 nulus 2- Measurement interface, probe. Ig 4 layers PCB ensuring PCB+Connector insertion loss <0.3dB ie allow thermal calculations based on 1oz copper. It testing of ANY SOT23 (TO-236AB SC-59) package such as nt package. acting to any standard Power Supply (J1, J2, J3 and J4). The apacitors – 0.1 μF or similar. Sected to the module GND plane. ons n SMA connector access to all pins of Block Diagram: See Page 2 ivalent See Page 2 ivalent Cruce m 1 (1997) (27.6m 1.097) (27.6m) (27.6m 1.097) (27.6m) (27.6m) (27.6m 1.097) (27.6m) (27.6				
	Temp Range: -65°C +	+165°C	UNIT	C	E >	(Y	Z			
с	Frequency Range:	D-202, Method 213 DC – 12GHz	max mm Typic mir	al 2.00	1.35 0.8	80 0.900	2.900			
	Working Voltage: Withstand Voltage:	335V max 1000V rms			REFERENCE		_		_	
	Center Contact:	$\leq 3m\Omega$	OUTLINE Versi	IEC	JEDEC JE	ITA		i -	+	
	Outer Contact: Insulation resistance:	≤2mΩ ≥5000MΩ	SOT23	•	TO236AB SC	C-59	z			
	VSWR Straight:	≤1.15 (0.8-2.5G)						+		
в								← ×→	← E →	
										SAN

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Г	1	1	2	3	4	1	5	6
	Product Name:	ZX050C-SOT2	23-C (SC-59 – TO230	6AB) SOT23 Chara	cterization testing k	pringup breakout mo	odule	
F	DUT Application Spe	ecific Stuffing o	ptions, DASS:					
ľ		Figure below outl	ines the DUT Application	Specific Stuffing, DASS,	components comprising	of six 0603 SMD package	e devices.	
E		Note: 1. RCx:: 0603 SMD landing Pad. Resen	C14 VDD C14 VDD C15 VDD C12 VDD Pin1 C15 VDD C15 VD	or etc. ferred as DASS) where				
		"1-" is referenced to RC11 since it "1+" is referenced to RC12 since it "1+" is referenced to RC12 since it DASS: DUT Application Specific Stuffing	references to GND. t references to VDD.		evices Low voltage devices High 0.1 μF 0 Ω 50 Ω 5 pF 1050 Ω 2K Ω g (DASS) - Must install with 0 Ω, if N			
-		General 2pin header, description: VDD and AGND:						R
D		 Available onboard standard 0.1" VDD pin is sconnected to the VDC AGND is connected to the AGND AGND is connected to the AGND Each header is accompanied by 	PCB plane - 3rd laver					
			UT, supply and the GND	signal interfaces.			pr	
	DUT Pin	Stuffing options	push-pull devices		open drain devices			
-	configuration Supply, VDD	RCx2	Low voltage devices	High Voltage devices	_			
	Supply, VDD Supply GND	RCx2 RCx1	0.1 μF 0 Ω	0.1 μF 0 Ω	-	0.1 μF 0 Ω		
	INPUT	RCx1	50 Ω	50 Ω		50 Ω		
		RCx1	5 pF	40 pF		40 pF		
Ľ	OUTPUT	RCx5	1050 Ω	453 Ω	-	453 Ω		
с		RCx6	Unuse		2Κ Ω	499 Ω		
	Application Specific	RCx3, RCx5	DUT Applicati	on Specific Suffing (DAS	S) - Must install with 0	Ω, if Not used.		
-	Note: Each pin of U1 ha	as identical stuffing o	ptions. RCx1 where the x					
в								ZF
								SAN WW

A

1

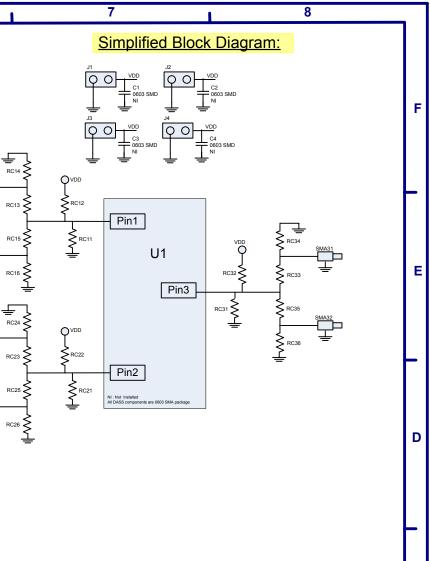
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С

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SPECIFIED DIMENSIO	ASSEMBLY	ASSEMBLY DRAWING			
ARE INCHES (MM). ROHS COMPLIANT	ITEM: ZX050C-SOT23-C (SC-59)				
DESCRIPTION: SOT23 (SC59 TO236AB) characterization testing bringup breakout adapter SMA					
CHECKED:	DRAWN:	REVISSION: 1.0			
M. MARINA	SLAVIK	SHEET: 2 OF 2			
7		8			