## Report Generated From Altium Designer

Comment Digi K	ey Ordonuo	i <b>oVite</b> yue	Design	attooder CoRtertNumber	Description	Manufacturer Mateing part PinNumber	Pins Pitch
AD8131	1			AR	High Speed Differential	Analog Devices	8
					Driver		
AD9215	1		ADC_1		Analog Digital Converter	l Analog Devices	28
ADF4355	1		1	5-2BCP Z	Sythesizer with integrated VCO	Analog Devices	33
ADL5365	2		MIX_2	ADL536 ADL5365 5ACPZ- R7	RF Mixer	Analog Devices	21
ADR3412	1		VREF_ 1	ADR341 ADR3412	1.2 Voltage Ref Source	Analog Devices	6
Balun	1		B4	HHM1918A 2	SMD Balun	TDK	4
Balun	2		B1, B2	T16-1-KK81 +		Mini Circuits	6
Balun	2		B3, B5	MABA-0072 37-ETC410,	SMD Balun	MACOM, ?	5
Cap1	1	100uF	C118	·	SMD Capacitor		2
Cap1	1	220pF	C203		SMD Capacitor		2
Cap1	1	330pF	C119		SMD Capacitor		2
Cap1	1	33nF	C129		SMD Capacitor		2
Cap1	1	4.7pF	C117		SMD Capacitor		2
Cap1	14	1uF	C4, C9, C13, C32, C35, C41, C85, C94, C116, C149, C154, C159, C186, C196		SMD Capacitor		2
Cap1	2	0.47uF	C115, C121		SMD Capacitor		2
Cap1	2	1.5nF	C126, C132		SMD Capacitor		2
Cap1	2	184.8pF	C27, C55		SMD Capacitor		2
Cap1	2	1pF	C77, C202		SMD Capacitor		2
Cap1	2	272.3pF	C24,		SMD		2

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Cap	Comment Digi Key C	Ord <b>Q</b> u6	a <b>oviey</b> ue		erDescription Manufacturer Mateing part Pir	Number Pins	Pitch
Cap1         2         3.5 nF         C101, SMD         2           Cop1         2         3.6 nF         C102, Cupacitor         2           Cop1         2         64.3 nF         C180, SMD         2           Cup1         2         64.3 nF         C180, SMD         2           Cup1         2         64.3 nF         C12, SMD         2           Cup1         2         85.8 nF         C22, SMD         2           Cup1         2         85.8 nF         C12, SMD         2           Cup1         2         0.1 nF         C7, SMD         C12, SMD         2           Cup1         C12, SMD         C12, SMD         C12, SMD         C12, SMD         C13, SMD         C13, SMD         C13, SMD         C13, SMD         C13, SMD         C14, SMD	Cap1	2	3.54pF	C23,	SMD	2	
Cap1 2 9F C79, SMD 2 Cop1 2 64310F C49 Capacitor 2 Cap1 2 64310F C49 Capacitor 2 Cap1 2 1 64310F C49 Capacitor 2 Cap1 2 1 64310F C49 Capacitor 2 Cap1 2 1 10F C71, SMD 2 Cap1 2 1 10F C71, SMD 2 Cap1 C49, C49, C49, C49, C49, C49, C49, C49,	Cap1	2	3.5nF	C101,	SMD	2	
Cap1 2 64.31pF C18, SMD 2 C3pc. C3pc	Cap1	2	3pF	C79,	SMD	2	
Cap1         2         64.3pF         C31,         SMD         2           Cap1         2         85.88pF         C22         SMD         2           Cap1         2         28.37pF         C19,         Cap1         C2           Cap1         C2         28.37pF         C19,         C28         C2           Cap1         C3         C7         CM         C3         C3           Cap1         C3         C7         CM         C3         C3           Cap2         C3	Cap1	2	64.31pF	C18,	SMD	2	
Gap1 2 85-88pF C22, SMD 2 Cap1 2 93.57pF C19. SMD 2 Cap1 2 93.57pF C19. SMD 2 Cap1 2 0 1nF C7. SMD 2 Cap2 C3. Capacitor C12. C16. C34. C34. C34. C34. C34. C34. C34. C34	Cap1	2	64.3pF	C31,	SMD	2	
Cap1   2   93.57 F   19	Cap1	2	85.88pF	C22,	SMD	2	
Cap1 20 InF C7, SMD 2 C12, Capacitor C13, C13, C13, C13, C13, C13, C13, C13,	Cap1	2	93.57pF	C19,	SMD	2	
C68, Capacitor C73, C75, C76, C81, C81, C82, C83, C130, C131, C135, C142, C142, C145, C148, C150, C150, C167, C171, C173, C175, C177, C176, C177, C177, C178 Cap1 3 0.3pF C89, SMD 2	Cap1			C7, C12, C16, C34, C37, C69, C70, C91, C96, C99, C138, C153, C158, C164, C165, C185, C193, C198, C199, C199, C200	SMD Capacitor		
Cap1 3 0.3pF C89, SMD 2	Cap1	21	10pF	C68, C73, C75, C76, C81, C82, C83, C130, C131, C135, C142, C145, C145, C146, C170,	SMD Capacitor	2	
	Cap1	3	0.3pF	C89,	SMD Capacitor	2	

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Comment Digi Key Or	denac	o <b>Via</b> jue		erDescription Manufacturer Mateing part PinNumber	Pins Pitch
Cap1	3	20pF	C194 C90, C160, C190	SMD Capacitor	2
Cap1	4	22pF	C62, C66, C168, C170	SMD Capacitor	2
Cap1	4	260.4pF	C21, C26, C49, C52	SMD Capacitor	2
Cap1	4	5.67pF	C20, C28, C47, C54	SMD Capacitor	2
Cap1	4	560pF	C67, C72, C172, C174	SMD Capacitor	2
Cap1	52	100nF	C1, C2, C5, C6, C10, C11, C14, C15, C17, C25, C29, C30, C33, C36, C38, C39, C40, C43, C45, C56, C58, C60, C61, C65, C71, C74, C84, C88, C97, C114, C125, C127, C128, C133, C134, C139, C140, C141,	SMD Capacitor	

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Comment Digi K	ey Ord <b>Q</b> u@	i <b>oVisy</b> ue	Designatorder CottertNumberDescri	ption Manufacturer Mateing part PinNumber Pins Pitch
Ochimical Dig.	cy Ordinate	<b>ious</b> yue	C144, C146, C147, C151, C152, C157, C162, C169, C176, C188, C189, C191,	Ston Mandracturer Matering part i initialiser. I inis
Cap1	6	1.5pF	C197 C95, SMD C100, Capaci C155, C156,	tor 2
			C183, C184	
Cap1	7	10uF	C3, SMD C8, Capaci C64, C103, C104, C105,	tor 2
Cap1	7	2.2uF	C106  C98, SMD  C112, Capaci  C113,  C123,  C124,  C166,	tor 2
Cap1	8	100pF	C182 C44, SMD C63, Capaci C93, C136, C137, C161, C187,	tor
Cap1	8	4.7uF	C195  C78, SMD C107, Capaci C108, C109, C110, C111, C122, C179	tor 2
Cap1	9	10nF	C179 C42, SMD C80, Capaci C86, C87, C92, C120, C143, C181,	tor 2

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Comment	Digi Key Ord	dene	a <b>olia</b> jue		de toumbe	rDescription	Manufactu	rer Mateing part Pin	Number P	ins	Pitch	
DAC9744		1		C201 DAC_1 AD9744	AD9744	Digital Analog	g Analog		2	8		
DC. Conn	CP-037A-ND	12		ARZ Conn_		Converter Coaxial DC	Devices	EP501A-ND	2			
ector	OF OUTAINE	, _		1,Conn 2		connector - female		EI SOTA ND	2			
Ferrit Bead		2	300Ohm @2MHz		FB20022-4 B-RC	Ferrit Bead	Bourns		2			
	M20-976154	6	@ZIVITZ	Header	D-RC	29 Pin		30	3	0	2.54mm	
	6-ND			1,Head er2,He ader3, Header 5,Head er7,He		Header						
				ader8								
	3M156386-4 8-ND	2		Header 4,Head er6		48 Pin Header		48	4	8	2.54mm	
HMC789S T89E		3		AMP_2 HMC78 ,AMP_ 9ST89E 3, AMP_4		Gain Block MMIC	Analog Devices		4			
HMC8073		2		DIG_A HMC80 TT_1, 73LP3D DIG_A E TT_2		Digital Attenuator	Analog Devices		1	7		
Inductor		2	0nH	L2, L13		SMD Inducto	r		2			
Inductor		2	1.5nH	L21, L28		SMD Inducto	r		2			
Inductor		2	333.3nH	L7, L18		SMD Inducto	r		2			
Inductor		2	339.2nH	L4, L16		SMD Inducto	r		2			
Inductor		2	7.5nH	L24, L25		SMD Inducto			2			
Inductor		2	722.6nH	L6, L15		SMD Inducto	r		2			
Inductor		3	18nH	L22, L26, L27		SMD Inducto	r		2			
Inductor		4		L1, L10, L11, L20		SMD Inducto	r		2			
Inductor		4	450.5nH			SMD Inducto	r		2			
Inductor		4	9.82nH	L5, L8, L14, L17		SMD Inducto	r		2			
	495-6782-1- ND	1	1.2uH	L23		SMD Inducto	r		2			
LED_Gre en		12		LED1, LED2, LED3, LED4,	LTST-C171 KGKT	Diode	LITEON		2			

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Comment Digi K	ey Orderua	<b>aottay</b> ue	Designation der CortertNumb	erDescription	Manufact	urer Mateing part PinNumber Pins	Pitch
			LED5,	•		<u>.                                    </u>	
			LED6,				
			LED7,				
			LED8,				
			LED9,				
			LED10				
			,LED1				
			1,				
			LED12				
LT5538	2		DET_1 LT5538I LT5538	Detector	Analog	9	
			, DD#PB		Devices		
			DET_2 F				
LT8646S	1		SWPS LT8646 LT8646S	Step-Down	Analog	38	
			_1 SEV#P	Silent	Devices		
			BF	Switcher			
LTCCOOF	4		000 4170000 1700005	Power Suppl	<u>у</u>		
LTC6905	1		OSC_1 LTC690 LTC6905-		Analog	5	
			5-100 00	frequency	Devices		
LTI1965	4		LDO_1 LT1965 LTI1965	oscillator Low Dropout	Analog	9	
L111903	4		,LDO_ EDD#P	Low Dropout Linear	Devices	¥	
			2,LDO_ EDD#F	Regulator	Devices		
			_3,	Regulator			
			_5, LDO_4				
Resistor	1	1.75k	R98	SMD Resisto	r	2	
Resistor	<u> </u>	100k	R107	SMD Resisto		2	
Resistor	<u> </u>	17.8k	R109	SMD Resisto	r	2	
Resistor	1	193K	R106	SMD Resisto	r	2	
Resistor	1	1M	R105	SMD Resisto	r	2	
Resistor	1	2k	R42	SMD Resisto	r	2	
Resistor	1	3.3K	R111	SMD Resisto	r	2	
Resistor	1	4.7K	R118	SMD Resisto	r	2	
Resistor	1	65	R93	SMD Resisto	r	2	
Resistor	1	7.5k	R108	SMD Resisto	r	2	
Resistor	1	800	R50	SMD Resisto		2	
Resistor	10	37.4	R64,	SMD Resisto	r	2	
			R65,				
			R73,				
			R75,				
			R121,				
1			R122, R141,				
1			R141, R142,				
			R142, R149,				
1			R149, R150				
Resistor	2		R52,	SMD Resisto	r	2	
	_		R143	5111D 11001310	•	_	
Resistor	2	1.5k	R66,	SMD Resisto	r	2	
	_		R67			_	
Resistor	2	1.7k	R57,	SMD Resisto	r	2	
			R139				
Resistor	2	100	R79,	SMD Resisto	r	2	
			R88				
Resistor	2	110	R68,	SMD Resisto	r	2	
			R69				
Resistor	2	51	R51,	SMD Resisto	r	2	
<u></u>			R132				
Resistor	2	56	R59,	SMD Resisto	r	2	

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Comment Digi Ke	ey Ord <b>Q</b> u@	a <b>otia</b> jue		CotartNumberDescription Manufacturer Mate	ing part PinNumber Pins Pitch	
Resistor	2	750	R145 R61, R62	SMD Resistor	2	
Resistor	3	150	R94, R95.	SMD Resistor	2	
Resistor	3	3.16k	R96 R100, R102,	SMD Resistor	2	
Resistor	37	200	R104  R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R76, R77,	SMD Resistor	2	
Resistor	39	0	R76, R77, R78, R126, R127, R128, R129, R146, R147, R148 R1, R20, R21, R22, R23, R24, R41, R43, R44, R45, R46,	SMD Resistor	2	

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<b>Comment Digi</b>	i Key Ord <b>o</b> ruk	a <b>otia</b> jue	Designatoder (	CoRtertNumberDescription	Manufacturer Mateing	part PinNumber Pins	Pitch		
			R47,						
			R48, R49,						
			R53, R54,						
			R54,						
			R55, R70,						
			R71, R72,						
			R110						
			R112,						
			R114, R115						
			R112, R114, R115, R116, R117,						
			R117, R120,						
			R123,						
			R124, R125,						
			R130.						
			R131, R133, R134,						
			R134,						
			R135, R137,						
			R138,						
lo		0.4	R144	0110 0					i
Resistor	4	0.1	R89, R90,	SMD Resisto	r	2			
			R91,						
Resistor	5	10k	R92 R40,	SMD Resisto	r	2			
			R56,						
			R58, R60,						
D : (		450.5	R136	0145.5					
Resistor	5	150.5	R63, R74,	SMD Resisto	r	2			
			R119,						
			R140, R151						
Resistor	8	500	R80,	SMD Resisto	r	2			
			R81, R82,						
			R83,						
			R84, R85,						
			R86,						
Resistor	9	1k	R87 R3	SMD Resisto	r	2			
1100.0101	Ü		R4,	CIME Model	•	_			
			R5, R6						
			R97,						
			R99, R101						
			R3, R4, R5, R6, R97, R99, R101, R103, R113						
			R113						

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	D: : 1/	10-	5 W. I		2.51.41					D:	D'. 1	
	Digi Key Or		andayue				Manufacturer M	lateing part Pi	inNumber		Pitch	
SMA1		13		SMA1,		SMA Female	RF Solutions			2		
				SMA2,	EDGE-S,C		Ltd., RF					
				SMA3,	ON-SMA-E		Solutions					
				SMA4,	DGE-S,CO		Ltd., RF					
				SMA5,	N-SMA-ED		Solutions					
				SMA6,	GE-S,CON-		Ltd., RF					
				SMA7,	SMA-EDGE		Solutions					
				SMA8,	-S,		Ltd.,					
				SMA9,	[NoValue],		[NoValue],					
				SMA10	[NoValue],		[NoValue],					
				,SMA1	[NoValue],		[NoValue],					
				1,SMA	[NoValue],		[NoValue],					
				12,	[NoValue],		[NoValue],					
				SMA13	[NoValue],		[NoValue],					
					[NoValue],		[NoValue],					
					[NoValue],		[NoValue],					
					[NoValue]		[NoValue]					
Socket1	S7083-ND	8		Socket		30 Pin Socket		30	0	30	2.54mm	
				1,Sock								
				et2,So								
				cket3,								
				Socket								
				4,Sock								
				et5,So								
				cket6,								
				Socket								
				7,Sock								
				et8								
Switch	EG2355-ND	1		Power		3 state switch		3		3	2.54mm	
				Switch								
VariableR		1	5k	R2		SMD Variable				3		
esistor						Resistor						

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