

Report Generated From Altium Designer

Comment	Digi Key	Order Qty	Altium Value	Designator	Order Code	Part Number	Description	Manufacturer	Mateing part	PinNumber	Pins	Pitch
AD8131		1		AMP_1	AD8131	AD8131	High Speed Differential Driver	Analog Devices			8	
AD9215		1		ADC_1		AD9215	Analog Digital Converter	Analog Devices			28	
ADF4355		1		SYTH_1	ADF435	ADF4355	Sythesizer with integrated VCO	Analog Devices			33	
ADL5365		2		MIX_1, MIX_2	ADL536	ADL5365	RF Mixer	Analog Devices			21	
ADR3412		1		VREF_1	ADR341	ADR3412	1.2 Voltage Ref Source	Analog Devices			6	
Balun		1		B4		HHM1918A	SMD Balun	TDK			4	
Balun		2		B1, B2		T16-1-KK81	SMD Balun	Mini Circuits			6	
Balun		2		B3, B5		MABA-0072	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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Cap1		2	3.54pF	C53, C23, C51,			Capacitor SMD Capacitor				2	
Cap1		2	3.5nF	C101, C102			SMD Capacitor				2	
Cap1		2	3pF	C79, C180			SMD Capacitor				2	
Cap1		2	64.31pF	C18, C46			SMD Capacitor				2	
Cap1		2	64.3pF	C31, C57			SMD Capacitor				2	
Cap1		2	85.88pF	C22, C50			SMD Capacitor				2	
Cap1		2	93.57pF	C19, C48			SMD Capacitor				2	
Cap1		20	1nF	C7, C12, C16, C34, C37, C69, C70, C91, C96, C99, C138, C153, C158, C164, C165, C185, C193, C198, C199, C200			SMD Capacitor				2	
Cap1		21	10pF	C59, C68, C73, C75, C76, C81, C82, C83, C130, C131, C135, C142, C145, C148, C150, C167, C171, C173, C175, C177, C178			SMD Capacitor				2	
Cap1		3	0.3pF	C89, C163,			SMD Capacitor				2	

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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			2		

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Cap1		6	1.5pF	C144, C146, C147, C151, C152, C157, C162, C169, C176, C188, C189, C191, C192, C197			SMD Capacitor				2		
Cap1		7	10uF	C95, C100, C155, C156, C183, C184			SMD Capacitor				2		
Cap1		7	2.2uF	C3, C8, C64, C103, C104, C105, C106			SMD Capacitor				2		
Cap1		8	100pF	C98, C112, C113, C123, C124, C166, C182			SMD Capacitor				2		
Cap1		8	4.7uF	C44, C63, C93, C136, C137, C161, C187, C195			SMD Capacitor				2		
Cap1		9	10nF	C78, C107, C108, C109, C110, C111, C122, C179			SMD Capacitor				2		
Cap1				C42, C80, C86, C87, C92, C120, C143, C181,			SMD Capacitor						

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DAC9744		1		C201 DAC_1	AD9744	AD9744	Digital Analog Converter	Analog Devices			28	
DC_Connector	CP-037A-ND	2		Conn_1,Conn_2			Coaxial DC connector - female		EP501A-ND		2	
Ferrit Bead		2	300Ohm @2MHz	FB1		FB20022-4 B-RC	Ferrit Bead	Bourns			2	
Header1	M20-976154-6-ND	6		Header 1,Header2,Header3,Header5,Header7,Header8			29 Pin Header			30	30	2.54mm
Header2	3M156386-4-8-ND	2		Header 4,Header6			48 Pin Header			48	48	2.54mm
HMC789ST89E		3		AMP_2,AMP_3,AMP_4	HMC789ST89E	HMC789ST89E	Gain Block MMIC	Analog Devices			4	
HMC8073		2		DIG_A TT_1,DIG_A TT_2	HMC8073LP3D E	HMC8073	Digital Attenuator	Analog Devices			17	
Inductor		2	0nH	L2,L13			SMD Inductor				2	
Inductor		2	1.5nH	L21,L28			SMD Inductor				2	
Inductor		2	333.3nH	L7,L18			SMD Inductor				2	
Inductor		2	339.2nH	L4,L16			SMD Inductor				2	
Inductor		2	7.5nH	L24,L25			SMD Inductor				2	
Inductor		2	722.6nH	L6,L15			SMD Inductor				2	
Inductor		3	18nH	L22,L26,L27			SMD Inductor				2	
Inductor		4	39.78nH	L1,L10,L11,L20			SMD Inductor				2	
Inductor		4	450.5nH	L3,L9,L12,L19			SMD Inductor				2	
Inductor		4	9.82nH	L5,L8,L14,L17			SMD Inductor				2	
Inductor	495-6782-1-ND	1	1.2uH	L23			SMD Inductor				2	
LED_Green		12		LED1,LED2,LED3,LED4,		LTST-C171 KGKT	Diode	LITEON			2	

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				LED5, LED6, LED7, LED8, LED9, LED10 ,LED1 1, LED12								
LT5538		2		DET_1 , DET_2 F	LT5538I DD#PB	LT5538	Detector	Analog Devices			9	
LT8646S		1		SWPS _1	LT8646 SEV#P BF	LT8646S	Step-Down Silent Switcher Power Supply	Analog Devices			38	
LTC6905		1		OSC_1	LTC690 5-100	LTC6905-1 00	Fixed frequency oscillator	Analog Devices			5	
LTI1965		4		LDO_1 ,LDO_ 2,LDO _3, LDO_4	LT1965 EDD#P BF	LTI1965	Low Dropout Linear Regulator	Analog Devices			9	
Resistor		1	1.75k	R98			SMD Resistor				2	
Resistor		1	100k	R107			SMD Resistor				2	
Resistor		1	17.8k	R109			SMD Resistor				2	
Resistor		1	193K	R106			SMD Resistor				2	
Resistor		1	1M	R105			SMD Resistor				2	
Resistor		1	2k	R42			SMD Resistor				2	
Resistor		1	3.3K	R111			SMD Resistor				2	
Resistor		1	4.7K	R118			SMD Resistor				2	
Resistor		1	65	R93			SMD Resistor				2	
Resistor		1	7.5k	R108			SMD Resistor				2	
Resistor		1	800	R50			SMD Resistor				2	
Resistor		10	37.4	R64, R65, R73, R75, R121, R122, R141, R142, R149, R150			SMD Resistor				2	
Resistor		2		R52, R143			SMD Resistor				2	
Resistor		2	1.5k	R66, R67			SMD Resistor				2	
Resistor		2	1.7k	R57, R139			SMD Resistor				2	
Resistor		2	100	R79, R88			SMD Resistor				2	
Resistor		2	110	R68, R69			SMD Resistor				2	
Resistor		2	51	R51, R132			SMD Resistor				2	
Resistor		2	56	R59,			SMD Resistor				2	

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Resistor		2	750	R145 R61, R62			SMD Resistor				2	
Resistor		3	150	R94, R95, R96			SMD Resistor				2	
Resistor		3	3.16k	R100, R102, R104			SMD Resistor				2	
Resistor		37	200	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, R78, R126, R127, R128, R129, R146, R147, R148			SMD Resistor			2		
Resistor		39	0	R1, R19, R20, R21, R22, R23, R24, R41, R43, R44, R45, R46,			SMD Resistor				2	

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				R47, R48, R49, R53, R54, R55, R70, R71, R72, R110, R112, R114, R115, R116, R117, R120, R123, R124, R125, R130, R131, R133, R134, R135, R137, R138, R144								
Resistor		4	0.1	R89, R90, R91, R92			SMD Resistor				2	
Resistor		5	10k	R40, R56, R58, R60, R136			SMD Resistor				2	
Resistor		5	150.5	R63, R74, R119, R140, R151			SMD Resistor				2	
Resistor		8	500	R80, R81, R82, R83, R84, R85, R86, R87			SMD Resistor				2	
Resistor		9	1k	R3, R4, R5, R6, R97, R99, R101, R103, R113			SMD Resistor				2	

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SMA1			13	SMA1, SMA2, SMA3, SMA4, SMA5, SMA6, SMA7, SMA8, SMA9, SMA10, ,SMA1 1,SMA 12, SMA13		CON-SMA- EDGE-S,C ON-SMA-E DGE-S.CO N-SMA-ED GE-S,CON- SMA-EDGE -S, [NoValue], [NoValue], [NoValue], [NoValue], [NoValue], [NoValue], [NoValue], [NoValue]	SMA Female RF Solutions Ltd., RF Solutions Ltd., RF Solutions Ltd., RF Solutions Ltd., RF [NoValue], [NoValue], [NoValue], [NoValue], [NoValue], [NoValue], [NoValue], [NoValue]			2		
Socket1	S7083-ND		8	Socket 1,Socket 2,Socket 3, Socket 4,Socket 5,Socket 6, Socket 7,Socket 8			30 Pin Socket			30	30	2.54mm
Switch	EG2355-ND		1	Power Switch			3 state switch			3	3	2.54mm
VariableResistor			1	5k	R2		SMD Variable Resistor				3	