Report Generated From Altium Designer

Value	Out	an @ty mment	Footprint	Description	Designator	LibRef
value		•			•	
	1	SN74LVC3G07-EP	VSSOP-8	Triple Buffer/Driver With Open-Drain	U12	SN74LVC3G07-E
		AD0700	TOCODAC	Output	LIZ DTD interfered	·
	3	ADG709	TSSOP16	CMOS Analog 4-Channel Multiplexer	U7_RTD_interface1, U7_RTD_interface2, U10	ADG709
	1	SN74AHC125-EP	TSSOP14_L	QUADRUPLE BUS BUFFER GATE	U14	SN74AHC125-EP
	•	31174A110123-L1	10001 14_L	WITH 3-STATE OUTPUTS	014	SIVI TALLO 125-LI
100u	8	Tantalum	Tantalum cap D	Polarized Capacitor (Radial)	C16, C17, C18, C19, C21, C22, C31,	Cap Pol1
1.000		· dirediciri	· aa.aoap	· old in the superior (industry)	C32	
100u/50	V 1	Tantalum	Tantalum cap D	Polarized Capacitor (Radial)	C5	Cap Pol1
	1	Tact Switch	Tact Switch 3x6		S1	TactSwitch
LTC6079	9 2	LTC6079	SSOP-16	Rail-to-rail, quad operational amplifier.	U8_RTD_interface1,	LTC6079
				Library compatible with LTC608X	U8_RTD_interface2	
				LTC607X op-amps		
TPS381	3x 1	TPS3813xxxDBV	SOT23-6	Processor Supervisory Circuits with	U15	TPS3813xxxDBV
xxDBV	4	LAMOO	00700.0	Window-Watchdog.	1140 1140 1140 1140	LNOO
	4	LM60	SOT23-3	Analog temperature sensor	U16_LM601, U16_LM602, U16_LM603, U16_LM604	LM60
	1	FM25W256	SOIC-8-N	256Kb (8k x 32) SPI F-RAM	U13	FM25W256
	2	AT45DB641E	SOIC-8-N	64-Mbit DataFlash (with Extra 2-Mbits)		AT45DB641E
FPF2700		FPF2700MX	SOIC-8-N	Adj over-current protection 0.4-2A, Load		FPF2700MX
MX		(<u></u>	() ()	Switch	U2 Current Limit CH1,	<u></u>
					U2 Current Limit CH2,	
					U2 Current Limit CH3	
BAT165	1	BAT165	SOD323	Madium Power AF Schottky 750mA 40\	<mark>/ D1</mark>	BAT165
				Diode		
<mark>10</mark>	17	<mark>1206</mark>	SMD_Resistor_1	Resistor	R42, R43, R44, R45_FLASH1,	Res2
			206		R45_FLASH2, R46,	
					R76_RTD_interface1, R76_RTD_interface2,	
					R111 RTD interface1,	
					R111 RTD interface2, R112, R117,	
					R118, R119, R120, R125, R127	
10	4	0805	SMD Resistor 0	Resistor	R123 LM601, R123 LM602,	Res2
			805		R123 LM603, R123 LM604	
100k	<u>5</u>	0805	SMD_Resistor_0	Resistor	R33, R34, R35, R36, R47	Res2
			805			
1k/1%	1	0805	SMD_Resistor_0	Resistor	R78	Res2
400	40	0000	805	Desistes	D7 D0 D0 D40 D47 D40 D40 D00	D. O
100	42	0603	SMD_Resistor_0	Resistor	R7, R8, R9, R10, R17, R18, R19, R20,	, Resz
			603		R21, R22, R32, R58_RTD_interface1, R58 RTD interface2.	
					R59_RTD_interface1,	
					R59_RTD_interface2,	
					R60 RTD interface1,	
					R60_RTD_interface2, R67, R68, R69,	
					R73, R93, R94, R95, R97, R98, R99,	
					R100, R101, R102, R103, R104, R105	
					R106, R107, R108, R109, R110, R113),
100:			0115	-	R114, R115, R116	
100k	24	0603	SMD_Resistor_0	Resistor	R1_Current_Limit_CH0,	Res2
			603		R1_Current_Limit_CH1,	
					R1_Current_Limit_CH2, R1_Current_Limit_CH3,	
					R1_Current_Limit_CH3, R3_Current_Limit_CH3,	
					NO_OUNGIL_LINIL_ONO,	

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Value	Oua	n @ty mment	Footprint	Description	Designator	LibRef
value	Qua	inadymment	rootprint	Description		LIDITO
					R3_Current_Limit_CH1,	
					R3_Current_Limit_CH2,	
					R3_Current_Limit_CH3, R30, R37,	
					R61_RTD_interface1,	
					R61_RTD_interface2,	
					R62_RTD_interface1,	
					R62_RTD_interface2,	
					R63_RTD_interface1,	
					R63_RTD_interface2, R87,	
					R124_LM601, R124_LM602,	
					R124_LM603, R124_LM604, R126,	
lar.	5	0603	SMD_Resistor_0	O. Danister	R137, R138	Des 2
<mark>1k</mark>	<u>5</u>	0003	603	U Resistor	R91, R92, R96, R121, R122	Res2
1k/0.1%	3	0603	SMD_Resistor_0	0 Resistor	R51_RTD_interface1,	Res2
			603		R51 RTD interface2, R77	
1k/1%	7	0603	SMD_Resistor_0	0 Resistor	R52_RTD_interface1,	Res2
			<mark>603</mark>		R52_RTD_interface2,	
					R53_RTD_interface1,	
					R53_RTD_interface2,	
					R55_RTD_interface1,	
0.71./0.40/	4	0000	OMD Desists of	O Decistes	R55 RTD interface2, R79	Des 2
2.7k/0.1%	1)	0603	SMD_Resistor_0 603	U Resistor	R75	Res2
26.1k/0.1	12	0603	SMD_Resistor_0	0 Resistor	R48_RTD_interface1,	Res2
%			603		R48_RTD_interface2,	
					R49_RTD_interface1,	
					R49_RTD_interface2,	
					R50_RTD_interface1,	
					R50_RTD_interface2,	
					R54_RTD_interface1,	
					R54_RTD_interface2,	
					R56_RTD_interface1,	
					R56_RTD_interface2,	
					R57_RTD_interface1,	
			(CLUB D		R57 RTD interface2	
47k	46	0603	SMD_Resistor_0	U Resistor	R4, R5, R6, R11, R12, R13, R14, R15,	Res2
			603		R16, R23, R24, R25, R26, R27, R28,	
					R29, R31, R38, R39, R40, R41,	
					R64_RTD_interface1,	
					R64_RTD_interface2,	
					R65_RTD_interface1,	
					R65_RTD_interface2, R66_RTD_interface1,	
					R66_RTD_interface1, R66_RTD_interface2, R70, R71, R72,	
					R74, R84, R85, R86, R88, R89, R90,	
					R128, R129, R130, R131, R132, R133,	
					R134, R135, R136	,
500k/1%	4	0603	SMD_Resistor_0	0 Resistor	R2_Current_Limit_CH0,	Res2
	_		603		R2_Current_Limit_CH1,	
					R2_Current_Limit_CH2,	
					R2 Current Limit CH3	
15R/1%	4	15R/1%		TE CONNECTIVITY 352115RFT	R80, R81, R82, R83	352115RFT
10u	1	ESR < 0.1 Ohm	unt_2512 SMD_Capacitor_	RESISTOR, 2512, 2W, 15R, 1%	C26	Сар
			1206			
<mark>10u</mark>	2	1206	SMD_Capacitor_	Capacitor	C24, C25	Сар
			1206			

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Value	Qua	an @ty mment	Footprint	Description	Designator	LibRef
100n	1	0805	SMD_Capacitor_ 0805	Capacitor	C15	Сар
10mH	2	Inductor	SMD_Capacitor_ 0805	Inductor	L1, L2	Inductor
<mark>10n</mark>	1	0805	SMD_Capacitor_ 0805	Capacitor	C35	Сар
100n	34)	0603)	SMD_Capacitor_ 0603	Capacitor	C6, C7, C10, C11, C12, C13, C14, C20, C23_FLASH1, C23_FLASH2, C29_RTD_interface1, C29_RTD_interface2, C33, C34, C36_RTD_interface1, C36_RTD_interface2, C37_RTD_interface1, C37_RTD_interface2, C38, C39, C40, C41, C42, C43_LM601, C43_LM602, C43_LM603, C43_LM604, C44_LM601, C44_LM602, C44_LM603, C44_LM604, C45, C46, C47	Cap1, Cap1, Cap,
10n	7	0603	SMD_Capacitor_ 0603	Capacitor	C3, C27_RTD_interface1, C27_RTD_interface2, C28_RTD_interface1, C28_RTD_interface2, C30_RTD_interface1, C30_RTD_interface2	Cap1, Cap, Cap, Cap, Cap, Cap, Cap
<mark>10p</mark>	2	0603	SMD_Capacitor_ 0603	Capacitor	(C8, C9)	Cap1)
<mark>18p</mark>	2	0603	SMD_Capacitor_ 0603	Capacitor	C1, C2	Cap1
	1	Value	SMD, 5mm x 3.2mm	Resonator Ceramic	XT2	Crystal_SMD
2.048MH	lz 1	2.048MHz	SG7050	Crystal Oscillator	XT3	Crystal Oscillator
	1	AD7714YRZ	(RW-24_M)	5 Channel 24-Bit Signal Conditioning Analog-to-Digital Converter with Serial, SPI Interface, 500 uA, CMOS, 3 V / 5 V 1KSPS, -40 to +105 degC, RW-24, Pb-Free, Tube	(U1) ,	AD7714YRZ
	1	PCA9515APW	PW8_L	Dual Bidirectional I2C Bus and SMBus Repeater, 2 Channel Width, 2.3 to 3.6 V, -40 to 85 degC, 8-pin TSSOP (PW), Green (RoHS & no Sb/Br)		PCA9515APW
	1	LTC6655-2.5	MSOP-8	0.25ppm Noise, Low Drift Precision References	<u>U6</u>	LTC6655-2.5
	1	LT1963AES8-3.3#PBF		1.5 A, Low Noise, Fast Transient Response LDO Regulator, 2.1 to 20 V Vin, 3.3 V Vout, 8-pin SOIC (S8-8), -40 to 125 degC, Pb-Free	(U5)	LT1963AES8-3.3) #PBF
	1		(LT-Q-5_N)	1.5 A, Low Noise, Fast Transient Response LDO Regulator, 2.1 to 20 V Vin, Adjustable Vout, 5-pin DPAK (Q-5), -55 to 125 degC, Pb-Free	•	LT1963AMPQ#P BF
	1	JTAG	HDR2X5	Header, 5-Pin, Dual row	P2	Header 5X2
	2	Header 6	HDR1X6	Header, 6-Pin	P5, P6	Header 6
	1	Sat Power UART	HDR1X3	Header, 3-Pin	P4 P1	Header 3 Header 3
	2	Header 3	HDR1X3	Header, 3-Pin Header, 3-Pin	P1 P11, P12	Header 3
	1	Sat I2C	HDR1X2	Header, 2-Pin	P3	Header 2
	1	SOL A	HDR1X2	Header, 2-Pin	P7	Header 2
					• •	

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Value	Quan@bymment	Footprint	Description	Designator	LibRef
	1 SOL B	HDR1X2	Header, 2-Pin	(P8)	Header 2
	1 SOL_C	HDR1X2	Header, 2-Pin	(P9)	Header 2
	1 SOL D	HDR1X2	Header, 2-Pin	P10	Header 2
2.4576MH z	1 (2.4576MHz)	HC49U	AKER C-2.4576-18-3050-X	XT1	Crystal
	1 ATmega325PA-AU	64A_N	8-bit AVR Microcontroller, 1.5-5.5V, 32KB Flash, 1KB EEPROM, 2KB SRAM, 64-pin TQFP, Industrial Grade (-40°C to 85°C)	(U4)	ATmega325PA-A U

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