













Component list

Payload Computer - Overview

Source Data From:

Project: Variant: PC PCB 2011.PrjPcb

None

Altum,
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1 1	Report Date:	5/11/2011	3:44:59 PM				Think it, Design it, Build it™		
	Print Date:	11-May-11	3:45:07 PM						
#	Designator	LibRef	olumn Name Error:Manufa	Description	Footprint	#Column Name Error:Library Name	Comment	Quantity	
1	C1	Cap Pol3		Polarized Capacitor (Surface Mount)	C0805		Cap Pol3		
	C2	Cap Semi		Capacitor (Semiconductor SIM Model)	C0805		Cap Semi		
		Cap Semi		Capacitor (Semiconductor SIM Model)	C0805		Cap Semi		
	C10, C11	Cap Semi		Capacitor (Semiconductor SIM Model)	C0805		Cap Semi		
	C12, C31, C32, C35, C36, C39, C40, C4 C44	Cap Semi		Capacitor (Semiconductor SIM Model)	C0805		Cap Semi		
	C20, C21, C22, C23, C46	Cap Semi		Capacitor (Semiconductor SIM Model)	C0805		Cap Semi		
	C24, C27, C30, C34, C38, C42	Cap Semi		Capacitor (Semiconductor SIM Model)	C0805		Cap Semi		
	C28	Cap Semi		Capacitor (Semiconductor SIM Model)	C0805		Cap Semi		
		Cap Semi		Capacitor (Semiconductor SIM Model)	C0805		Cap Semi		
		Cap Semi		Capacitor (Semiconductor SIM Model)	C0805		Cap Semi		
11 (C49	Cap Semi		Capacitor (Semiconductor SIM Model)	C0805		Cap Semi		
12	D2, D3, D6, D7, D8	LED2		Typical RED, GREEN, YELLOW, AMBER	DSO-F2/D6.1		LED2		
				GaAs LED					
13 [BAT54C		Schottky Barrier Double Diode	SOT23_N		BAT54C		
14	D9, D10, D11	V5.5MLA0603		Multilayer varistor - Transient voltage protection device	MLA-1206		V5.5MLA		
15	FR1	Ferrite Bead		Standard Ferrite Bead	AXIAL-0.3		Ferrite Bead		
	FB2, FB4, FB5	Ferrite Bead		Standard Ferrite Bead	AXIAL-0.3		Ferrite Bead		
17		D Connector 9		Receptacle Assembly, 9 Position, Right Ang			D Connector 9		
18	J2	Header 10X2		Header, 10-Pin, Dual row	HDR2X10		Header 10X2		
19	J3, J4, J7, J8, J9	Header 5X2		Header, 5-Pin, Dual row	HDR2X5		Header 5X2		
	J5	miniUSB-AB		MiniUSB AB type socket	miniUSB-AB		Mini-AB Socket		
21	J10	Header 20X2		Header, 20-Pin, Dual row	HDR2X20		Header 20X2		
	JP1, JP2, JP3, JP4, JP5	2 position jumper		3 pin jumper for selection	HDR1X3		Jumper		
	JP6, JP7	Jumper		Jumper Wire	HDR1X2		Jumper		
24 [Inductor		Inductor	INDC13855X60N		Inductor		
25 I		Header 2		Header, 2-Pin	HDR1X2		5V Input Pins (Lab Supply)		
	Q1, Q2, Q3, Q4, Q5	BSP100		N-channel Enhancement Mode MOSFET	SOT223_N		BSP100		
27	Q6	BSP225		P-channel Enhancement Mode Vertical D- MOSFET	SOT223_N		BSP225		
28	R1, R2, R3, R4	Res Semi		Semiconductor Resistor	6-0805_L		Res Semi		
	R5, R6, R23, R24, R25, R33	Res Semi		Semiconductor Resistor	6-0805 L		Res Semi		
	R7, R8, R9, R10, R11, R12, R13, R14,	Res Semi		Semiconductor Resistor	6-0805 L		Res Semi		
	R15, R16, R17, R18, R49, R50, R51, R5 R111, R112, R113, R114, R115, R116				· · · · · ·				
		Res Semi		Semiconductor Resistor	6-0805_L		Res Semi		
	R20, R21, R22, R32 R26	Res Semi		Semiconductor Resistor	6-0805_L 6-0805_L		Res Semi		
	R27, R31	Res Semi Res Semi		Semiconductor Resistor Semiconductor Resistor	6-0805_L		Res Semi Res Semi		
		Res Semi		Semiconductor Resistor	6-0805 L		Res Semi		
	R28, R29, R30 R34, R35, R37	Res Semi		Semiconductor Resistor Semiconductor Resistor	6-0805 L		Res Semi		
37		Res Semi		Semiconductor Resistor	6-0805_L		Res Semi		
	R44, R45, R46, R47, R48	Res Semi		Semiconductor Resistor	6-0805_L		Res Semi		
		Res Semi		Semiconductor Resistor	6-0805 L		Res Semi		
	R102, R103, R104, R105, R106, R107, R108, R109, R110								
40		SW-PB		Switch	SPST-2		SW-PB		
	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TF TP9, TP10, TP11, TP12	Test Point		Test point	PIN1		Test Point		
421		LT1763		Linear Technology Voltage Regulator	SOIC127P600X175-8N		LT1763		
43 (LTC3447EDD		I2C Controlled VReg	LTC3447_DFP11		LTC3447EDD		
44 1		ADM811		Supervisory Circuit	SOT190P230X102-4N		ADM811		
45		74LVC2G07GW		Non-inverting buffers with open-drain output			74LVC2G07GW		
				and a super					
46		NC7SB3257		2:1 Mux, Fairchild	TSOP65P210X110-6N		NC7SB3257		
47		LPC3143		NXP ARM9 based microcontroller	BGA180C80P14X14_1200X1200X120		LPC3143		
48 (U7	PRTR5V0U2X		Electrostatic discharge protection diode IC -	SOT190P230X110-4N		PRTR5V0U2X		
49 (U9	IS42S16160B		NXP 16Mb x 16 (256Mb) Parallel Interface SDRA	WISOP80P1180X120-54M		IS42S16160B		
E0	140 144	NAND128W3A		128Mb 8b wide NAND Flash	TSSOP50P2000X120-48M		NAND128W3A		
50		NAND128W3A XTAL		128Mb 8b wide NAND Flash Crystal Oscillator	TSSOP50P2000X120-48M RAD-0.3		NAND128W3A XTAL		
51				Oryotal Oscillator	1V-U-0.0		ALAL		
51 Appro		71712	Notes			•	•	172	