

Component List

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Source Data: Zynq_Z010_uZed_C_Prod.PrjPCB

Project: Zynq_Z010_uZed_C_Prod.PrjPCB

Variant: Rev-C Release 03

Report Date: 4/25/2013 11:57:30 AM

Print Date: 10/27/2013 11:26:41 PM

#	Quantity	Designator	Description	MFG	MFGPN	AVLNo	DNP	Comments
1	1	BPH1	PCB	ADX	MMP-7Z045-PCB-B	N/A		
2	6	C41, C42, C43, C44, C94, C160	CAP SM 47uF 6.3V 20% X5R C0805	TYC	JMK212BJ476MG-T	AVPC-0000521		
3	51	C31, C35, C67, C70, C74, C75,	Ceramic Chip Capacitor 0201 0.1uF 6.3V 10% X5R	MUR	GRM033R60J104KE19D	AVPC-0000020		
4	22	C172, C173, C174, C175, C178,	CAP SM 0.01uF 16V 10% X7R C0201	TYC	EMK063BJ103KP-F	AVPC-0000497		
5	4	C11, C26, C48, C55	CAP SM 10uF 6.3V 20% X5R C0603	AVX	06036D106MAT2A	AVPC-0000086		
6	1	C49	CAP SM 0.22uF 6.3V 10% X5R C0402	AVX	04026D224KAT2A	AVPC-0000231		
7	20	C22, C23, C27, C29, C30, C32,	CAP SM 100uF 6.3V 10% X5R C1210	MUR	GRM32EF50J107ZE20K	AVPC-0000530		
8	35	C39, C45, C68, C73, C96, C97,	CAP SM 4.7uF 6.3V 20% X5R C0402	MUR	GRM155R60J475ME87D	AVPC-0000499		
9	44	C99, C100, C102, C103, C104,	CAP SM 0.47uF 6.3V 10% X5R C0402	TYC	JMK105BJ474KV-F/BKN	AVPC-0000529		
10	1	C10	CAP SM 2.2uF 6.3V 10% X5R C0603	AVX	06036D225KAT2A	AVPC-0000155		
11	4	C71, C72, C76, C77	CAP SM 0.1uF 50V 10% X7R C0603	KEM	C0603C104K5RAC TU	AVPC-0000239		
12	5	C18, C28, C212, C217, C218	CAP SM 100uF 16V 10% X5R C1210	TYC	EMK325ABJ107MM-T		DNP	
13	4	C115, C139, C143, C156	CAP SM 4.7uF 6.3V 20% X5R C0402	MUR	GRM155R60J475ME87D	AVPC-0000499	DNP	
14	4	C127, C130, C136, C137	CAP SM 0.47uF 6.3V 10% X5R C0402	TYC	JMK105BJ474KV-F/BKN	AVPC-0000529	DNP	
15	1	C165	CAP SM 470pF 50V 5% X7R C0402	AVX	04025C471JAT2A	AVPC-0000490		
16	1	C69	CAP SM 22uF 10V 20% X5R C0805	MUR	GRM219R61A226MEAD0	AVPC-0000531	DNP	
17	1	C66	CAP SM 10uF 25V 10% X5R C1206	AVX	12063D106KAT2A	AVPC-0000219	DNP	
18	1	C65	CAP SM 0.0033uF 25V 5% X7R C0402	AVX	04023C332JAT2A	AVPC-0000190	DNP	
19	5	C3, C51, C52, C56, C57	CAP SM 22uF 10V 20% X5R C0805	TYC	LMK212BJ226MG-T	AVPC-0000531		
20	4	C53, C54, C58, C59	CAP SM 10uF 25V 10% X5R C1206	AVX	12063D106KAT2A	AVPC-0000219		
21	4	C60, C61, C63, C64	CAP SM 0.0033uF 25V 5% X7R C0402	AVX	04023C332JAT2A	AVPC-0000190		
22	1	D3	LED, RED 631nm SM 2.0V 20mA 54mcd LED-R LED_LITE-LTST-C191KRKT	LTP	LTST-C191KRKT	AVDL-0000015		
23	3	D4, D6, D9	Diode SM Barrier Rectifier Schottky 3A 30V DIO-S SMA	DII	B330A-13-F	AVDD-0000031		
24	2	D1, D7	ESD Protection array	BNS	CDSOT23-SR208	AVDO-0000008		
25	1	D5	LED, GREEN 525nm 3.2V 20mA 150mcd LED-G LED_LITE-LTST-C191TBKT-G	LTP	LTST-C191TGKT	AVDL-0000018		
26	1	D2	LED, BLUE 468nm SM 3.4V 20mA 20mcd LED-B LED_LITE-LTST-C191TBKT-B	LTP	LTST-C191TBKT	AVDL-0000007		
27	1	D6	Diode SM BAS21 Fast Switching 200mA 250V 225mW DIO SOT23AXC	FSC	BAS21	AVDD-0000001		
28	1	J6	Secure Micro Digital Card Socket	MLX	502570-0893	AVEC-0000173		
29	1	J5	Header TH 100mil 6X2	SAT	BCS-106-L-D-TE	AVEH-0000141		
30	1	J1	RJ45/USB 2.0 Combo Jack 10/100/1000 w/Mags and LEDs	BEL	0821-1X1T-43-F	AVEC-0000174		
31	1	J2	CONN RCPT MICRO USB TYPE AB RA	FCI	10104111-0001LF	AVEC-0000175		
32	1	J3	2.0mm 7x2 shrouded header	MLX	MLX 87832-1420	AVEH-0000037		
33	1	J4	CONN SM Barrel Jack 2.1MMX5.5MM Barrel_Socket-2 CON_CUI-PJ-002B-SMT		PJ-002AH-SMT	AVEC-0000068	DNP	
34	3	JP1, JP2, JP3	Header TH 100mil 3x1 HDR3 HDR3-100	AMP	5-146280-3	AVEH-0000003		
35	1	JP4	CONN HEADER 3POS	MLX	22-28-3030	AVEH-0000024	DNP	
36	3	JT1, JT2, JT3	Jumper 3-pad 0402 RES-3padJPR R0402-DUAL_JMP	DAL	CRCW04021K00FKED		DNP	
37	9	R40, R42, R53	Jumper 3-pad 0402, RES SM 1K 62mW 0.01 R0402, (JT4 = 1-2)	DAL	CRCW04021K00FKED	AVPR-0000052		
38	2	JX1, JX2	Microheader 100 pos Plug .8mm	FCI	61082-101400LF	AVEH-0000140		
39	1	L10	IND SM 1uH 2.35A DCR=48mOhm	BNS	SRN3015-1R0Y	AVPI-0000091	DNP	
40	1	L8	IND SM 2.2uH 6.3A DCR=7mOhm	BNS	SRN8040-2R2Y	AVPI-0000092		
41	5	L1, L2, L3, L4, L5	FB SM 220 ohm @ 100MHz 2000mA 0.25 0.045 ohm @ DC L0805	MUR	BLM21PG221SN1D	AVPF-0000009		
42	3	L6, L7, L9	IND SM 1uH 2.35A DCR=48mOhm	BNS	SRN3015-1R0Y	AVPI-0000091		
43	33	NT7, NT8, NT9, NT10, NT11,	Net Tie 2 Points, 2210 NT2 NT2-2210	None		AVPO-0000030	DNP	
44	1	Q1	NPN SM BJT 200mA 60V 225mW NPN SOT23BEC	ONC	MMBT3904LT1G	AVDT-0000008		
45	9	R71, R79, R85	RES SM 240 62mW 0.01 R0402	DAL	CRCW0402240RFKED	AVPR-0000051		
46	3	R74, R75, R77	RES SM 80 6 62mW 0.01 R0402	DAL	CRCW040280R6FKED	AVPR-0000565		
47	28	R18, R19, R20, R21, R22, R23,	RES SM 40.2 62mW 0.01 R0402	DAL	CRCW040240R2FKED	AVPR-0000573		
48	7	R87	RES SM 10K 62mW 0.01 R0402	DAL	CRCW040210K0FKED	AVPR-0000034		
49	1	PCB	Zynq MicroZed Z7010 PCB	EMI	Z7MB-720x0-PCB-C			
50	8	R70, R76	RES SM 20.0K 62mW 0.01 R0402	DAL	CRCW040220K0FKED	AVPR-0000061		
51	7	R69	RES SM 0 ohm 62mW J R0402	DAL	CRCW0402000Z0ED	AVPR-0000027		
52	1	R2	RES SM 0 ohm 62mW J R0402	DAL	CRCW0402000Z0ED	AVPR-0000027	DNP	
53	10	R88, R89, R90, R91	RES SM 4.99K 62mW 0.01 R0402	DAL	CRCW04024K99FKED	AVPR-0000094		
54	1	R52	RES SM 100K 62mW 0.01 R0402	DAL	CRCW0402100KFKED	AVPR-0000029	DNP	

55	1	R49	RES SM 9.53K 62mW 0.01 R0402	DAL	CRCW04029K53FKED		DNP
56	1	R48	RES SM 1.78K 62mW 0.01 R0402	DAL	CRCW04021K78FKED	AVPR-0000440	DNP
57	1	R57	RES SM 8.06K 62mW 0.01 R0402	DAL	CRCW04028K06FKED	AVPR-0000561	
58	1	R43	RES SM 56.2K 62mW 0.01 R0402	DAL	CRCW040256K2FKED	AVPR-0000101	
59	1	R38	RES SM 13.0K 62mW 0.01 R0402	DAL	CRCW040213K0FKED	AVPR-0000043	
60	1	R44	RES SM 18.2K 62mW 0.01 R0402	DAL	CRCW040218K2FKED	AVPR-0000051	
61	2	R37, R39	RES SM 15.0K 62mW 0.01 R0402	DAL	CRCW040215K0FKED	AVPR-0000046	
62	1	R36	RES SM 18.7K 62mW 0.01 R0402	DAL	CRCW040218K7FKED	AVPR-0000536	
63	1	R50	RES SM 0R0 0.1W 0.01 R0603	DAL	CRCW06030000Z0EA		
64	2	RP1, RP2	RPACK SM 4.7K 62mW 0.05 RPACK4-LCC	BNS	CAT16-472J4LF	AVPR-0000010	
65	3	SH1, SH2, SH3	Shunt 100mil 2x1 Shunt	AMP	1-382811-6	AVEH-0000115	
66	2	SW1, SW2	Switch Momentary SM PB-SPST Push Button NO 1ch 16VDC 100mA	BNS	7914J-1-000E	AVES-0000013	
67	1	U9	Zynq 7010/7020 SOC CLG400	XLX	XC7Z010-1CLG400C	AVIC-0000420	
68	1	U18	Step Down Switcher, 1A, 3V-17V, Adjustable	TIS	TLV62150RGT	AVIP-0000190	DNP
69	2	U11, U12	4Gb 64M x 16 DDR3 SDRAM	MIC	MT41K256M16HA-125:E	AVIM-0000099	
70	1	U13	DDR Termination Regulator, 2A	TIS	TPS51206DSQT	AVIP-0000192	
71	1	U1	6ch High Speed Level Translator, Bidirectional, 1.8V-3.3V	MXM	MAX13035EETE+	AVIL-0000022	
72	1	U7	QSPI Flash 128Mb 3.3V FBGA 1mm	ADV	S25FL128SAGBHIA00	AVIM-0000100	
73	1	U3	High Integrated 10/100/1000 Ultra Gigabit Ethernet Transceiver	MVL	88E1512-A0-NNP2C000	AVIY-0000047	
74	1	U19	UHS Dual Buffer 1.65V-5.5V	FSC	NC7WZ07FHX	AVID-0000488	
75	1	U4	USB 2.0 ULPI OTG Transceiver	MCC	USB3320C-EZK	AVIY-0000045	
76	1	U20	AND SM LVCMOS Single	TIS	SN74LVC1G08DCKT	AVID-0000485	
77	1	U8	2-Bit Bidirectional Voltage-Level Translator	TIS	TXS0102DQER	AVID-0000486	
78	4	U14, U15, U16, U17	Step Down Switcher, 3A, 3V-17V, Adjustable	TIS	TLV62130RGT	AVIP-0000191	
79	1	U2	USB UART Bridge	SLL	CP2104-F03-GM	AVIY-0000046	
80	1	U10	OSC, SM, Discera, 1.8V 33.3300MHz, 50ppm, 2.5x2.0mm	DSE	DSC1001D11-033.3300	AVIT-0000119	
81	1	U6	OSC, SM, Discera, 1.8V, 25.0000MHz, 50ppm, 2.5x2.0mm	DSE	DSC1001DI1-025.0000	AVIT-0000121	
82	1	U5	OSC, SM, Discera, 1.8V, 24.0000MHz, 50ppm, 2.5x2.0mm	DSE	DSC1001DI1-024.0000	AVIT-0000120	
84	1	JT6	RES SM 4.7k 62mW 0.05 R0402 (place on pads 2-3)	DAL	CRCW04024K70JNED	AVPR-0000091	
84	4	M1	3M Bumper, SJ53002, 7.9mm x 2.2mm	3M	SJ5302		
85	1	*	Antistatic shipping bag				EMI
86	1	*	Label for PCB - board serial number				EMI
87	1	*	Label for antistatic bag - board part/serial number				EMI

Approved

Notes

Rev	DATE	BOM CHANGE NOTES	INITIALS
C-01	8/2/13	Rev-C initial release	PCB
C-02	8/5/13	Deleted comment on line 47 and updated Qty on Line 85, Add bag and labels	JAJ
C-03	8/21/13	Updated QTY on Line Items 37, 47, 48 to match EALs assessment. Line 37 - consolidated all 1K resistors on BOM. Line 47: removed one 40.2 res, added 10K (Line 48) in it's place.	PCB

DATE	ASSEMBLY NOTES	INITIALS
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