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MicroZed Component List

Source Data: Zynq_2010_MicroZed.PrjPCB
 Project: Zynq_2010_MicroZed.PrjPCB
 Variant: Rev-B

Release 02

Report Date: 4/25/2013 11:57:30 AM
 Print Date: 7/30/2013 1:16:52 PM



#	Quantity	Designator	Description	MFG	MFGPN	AVLNo	DNP	Comments
1	1	BPH1	PCB	ADX	Z7MB-7Z06-PCB-B	NA		
2	6	C41, C42, C43, C44, C94, C160	CAP SM 47uF 6.3V 20% XSR C0805	TYC	JMK212B3476MG-T	AVPC-0000521		
3	51	C2, C5, C7, C8, C9, C12, C24, C31, C35, C67, C70, C74, C75, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C89, C90, C92, C93, C152, C169, C170, C176, C177, C179, C181, C182, C184, C185, C186, C188, C189, C190, C194, C199, C201, C202, C204, C205, C206, C208, C214, C216	Ceramic Chip Capacitor 0201 0.1uF 6.3V 10% XSR	MUR	GRM033R60J104KE19D	AVPC-0000020		
4	22	C37, C38, C148, C149, C171, C172, C173, C174, C175, C178, C180, C183, C187, C191, C192, C193, C195, C196, C197, C198, C200, C203	CAP SM 0.01uF 16V 10% X7R C0201	TYC	EMK0638J103KP-F	AVPC-0000497		
5	4	C11, C26, C48, C55	CAP SM 10uF 6.3V 20% XSR C0603	AVX	06036D106MAT2A	AVPC-0000086		
6	1	C49	CAP SM 0.22uF 6.3V 10% XSR C0402	AVX	04026D224KAT2A	AVPC-0000231		
7	20	C1, C13, C14, C19, C20, C21, C22, C23, C27, C29, C30, C32, C33, C40, C46, C47, C50, C62, C207, C211	CAP SM 100uF 6.3V 10% XSR C1210	MUR	GRM32EF50J107ZE20K	AVPC-0000530		
8	35	C4, C6, C16, C17, C34, C36, C39, C45, C68, C73, C96, C97, C101, C108, C110, C111, C112, C114, C117, C118, C120, C123, C129, C133, C140, C151, C157, C158, C162, C164, C166, C209, C210, C213, C215	CAP SM 4.7uF 6.3V 20% XSR C0402	MUR	GRM155R60J475ME87D	AVPC-0000499		
9	44	C15, C25, C88, C91, C95, C98, C99, C100, C102, C103, C104, C105, C106, C107, C109, C113, C116, C119, C121, C122, C124, C125, C128, C129, C131, C132, C134, C135, C138, C141, C142, C144, C145, C146, C147, C150, C153, C154, C156, C159, C161, C163, C167, C168	CAP SM 0.47uF 6.3V 10% XSR C0402	TYC	JMK105B3474KV-F8KN	AVPC-0000529		
10	1	C10	CAP SM 2.2uF 6.3V 10% XSR C0603	AVX	0603D2225KAT2A	AVPC-0000155		
11	4	C71, C72, C76, C77	CAP SM 0.1uF 50V 10% X7R C0603	KEM	C0603C104KSRAC TU	AVPC-0000239		
12	5	C18, C28, C122, C217, C218	CAP SM 100uF 16V 10% XSR C1210	TYC	EMK325ABJ107MM-T		DNP	
13	4	C115, C139, C143, C156	CAP SM 4.7uF 6.3V 20% XSR C0402	MUR	GRM155R60J475ME87D	AVPC-0000499		DNP
14	4	C127, C130, C136, C137	CAP SM 0.47uF 6.3V 10% XSR C0402	TYC	JMK105B3474KV-F8KN	AVPC-0000529		DNP
15	1	C165	CAP SM 470pF 50V 5% X7R C0402	AVX	0402SC471AT2A	AVPC-0000493		
16	1	C59	CAP SM 22uF 10V 20% XSR C0805	MUR	GRM219R61A226MEAD0	AVPC-0000531		DNP
17	1	C66	CAP SM 10uF 25V 10% XSR C1206	AVX	12063D10KAT2A	AVPC-0000219		DNP
18	1	C65	CAP SM 0.0033uF 25V 5% X7R C0402	AVX	0402C332JAT2A	AVPC-0000190		DNP
19	5	C3, C51, C52, C56, C57	CAP SM 22uF 10V 20% XSR C0805	TYC	LMK212B226MG-T	AVPC-0000531		
20	4	C53, C54, C58, C59	CAP SM 10uF 25V 10% XSR C1206	AVX	12063D10KAT2A	AVPC-0000219		
21	4	C60, C61, C63, C64	CAP SM 0.0033uF 25V 5% X7R C0402	AVX	0402C332JAT2A	AVPC-0000190		
22	1	D33	LED, RED 831nm SM 2.0V 20mA 54mcd LED-R LED-LITE-LTST-C191KRKT	LTP	LTST-C191KRKT	AVEH-0000015		
23	3	D4, D8, D9	Diode SM Barrier Rectifier Schottky 3A 30V DIO-S SMA	DIJ	8330A-13F	AVDD-0000031		
24	2	D1, D7	ESD Protection array	BNS	CDSOT23-SR208	AVDD-0000008		
25	1	D5	LED, GREEN 525nm 3.2V 20mA 150mcd LED-G LED-LITE-LTST-C191TBKT-G	LTP	LTST-C191TBKT	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	J1	Header TH 100mil 6X2	SAT	BGS-106-LD-TE	AVEH-0000141		
30	1	J11	RJ45/USB 2.0 Combo Jack 10/100/1000 mW/Agg and LEDs	BEL	0821-1X11-4-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	PJ-002AH-SMT	AVEC-0000068		DNP
34	3	JP1, JP2, JP3	Header TH 100mil 3x1 HDR3 HDR3-3SMT	AMP	5-146280-3	AVEH-0000003		
35	1	JP4	CONN HEADER 3POS	MLX	22-28-3030	AVEH-0000024		DNP
36	3	J11, J12, J13	Jumper 3-pad 0402 RES-3pad3PR RH402-DUAL_JMP	DAL	CRCW04021K00FKED	AVPR-0000052		DNP
37	5	J14, J15, R56, R72, R73	Jumper 3-pad 0402 RES SM 8.2mW 0.01 R0402, (J14 + 1-2)	DAL	CRCW04024K75FKED	AVPR-0000092		
38	2	JX1, JX2	Microheader 100 pos Plug 8mm	FCI	51082-10140LF	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 20 ohm@100MHz 2000mA 0.25 0.045 ohm@DC L0805	MUR	BLM21PG221SMT1D	AVPF-0000009		
42	3	L6, L7, L9	IND SM 1uH 2.35A DCR=48mOhm	BNS	SRN3015-1R0Y	AVPI-0000091		
43	33	NT1, NT2, NT3, NT4, NT5, NT6, NT7, NT8, NT9, NT10, NT11, NT12, NT13, NT14, NT15, NT16, NT17, NT18, NT19, NT20, NT21, NT22, NT23, NT24, NT25, NT26, NT27, NT28, NT29, NT30, NT31, NT32, NT33	Net Tie 2 Points, 2210 NT2-T2210	None		AVPO-0000030		DNP
44	1	Q1	NPN SM BJT 200mA 60V 225mW NPN SOT23BEC	ONC	MMBT3904LT1G	AVDT-0000008		
45	9	R10, R11, R14, R41, R65, R66, R71, R79, R85	RES SM 240 62mW 0.01 R0402	DAL	CRCW0402240RFKED	AVPR-0000511		
46	3	R74, R75, R77	RES SM 80.6 62mW 0.01 R0402	DAL	CRCW0402806RFKED	AVPR-0000565		
47	29	J16, R5, R6, R9, R13, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R76, R80, R81, R82, R83, R84, R86	RES SM 40.2 62mW 0.01 R0402 (J16 Place 1-2)	DAL	CRCW0402402RFKED	AVPR-0000573		J16 is a 40.2 ohm resistor placed at pins 1 - 2.
48	6	R32, R33, R62, R63, R64, R87	RES SM 10K 62mW 0.01 R0402	DAL	CRCW040210K0FKED	AVPR-0000034		
49	4	R3, R4, R59, R69	RES SM 4.75K 62mW 0.01 R0402	DAL	CRCW04024K75FKED	AVPR-0000092		
50	8	R7, R8, R46, R55, R58, R61, R70, R76	RES SM 20.0K 62mW 0.01 R0402	DAL	CRCW040220K0FKED	AVPR-0000061		
51	7	R1, R12, R47, R51, R54, R60, R69	RES SM 0 ohm 62mW J R0402	DAL	CRCW0402000020ED	AVPR-0000027		
52	1	R2	RES SM 0 ohm 62mW J R0402	DAL	CRCW0402000020ED	AVPR-0000027		DNP
53	2	R45, R67	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	AVPR-0000064		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	5	R34, R35, R40, R42, R53	RES SM 100K 62mW 0.01 R0402	DAL	CRCW0402100KFKED	AVPR-0000029		
59	1	R43	RES SM 56.2K 62mW 0.01 R0402	DAL	CRCW040256K2FKED	AVPR-0000101		
60	1	R38	RES SM 13.0K 62mW 0.01 R0402	DAL	CRCW040213K0FKED	AVPR-0000043		
61	1	R44	RES SM 18.2K 62mW 0.01 R0402	DAL	CRCW040218K2FKED	AVPR-0000051		
62	2	R37, R39	RES SM 15.0K 62mW 0.01 R0402	DAL	CRCW040215K0FKED	AVPR-0000046		
63	1	R36	RES SM 18.7K 62mW 0.01 R0402	DAL	CRCW040218K7FKED	AVPR-0000536		
64	1	R50	RES SM 0R0 0.1W 0.01 R0603	DAL	CRCW0603000020EA			
65	2	RP1, RP2	RPACK SM 4.7K 62mW 0.05 RPACK4-LCC	BNS	CAT16-472JALF	AVPR-0000010		
66	3	SH1, SH2, SH3	Shunt 100mV 2x1 Shunt	AMP	1-382811-6	AVEH-0000115		
67	2	SW1, SW2	Switch Momentary SM PB-SPST Push Button NO 1ch 16VDC 100mA	BNS	7914J-1-000E	AVES-0000013		
68	1	U9	Zynq 7010/7020 SOC CLG400	XLX	XC7Z010-1CLG400C	AVIC-0000420		
69	1	U18	Step Down Switcher, 1A, 3V-17V, Adjustable	TIS	TLV62150RGT	AVIP-0000190		DNP
70	2	U11, U12	4Gb 64M x 16 DDR3 SDRAM	MIC	MT41K256M16HA-125.E	AVIM-0000099		
71	1	U13	DDR Termination Regulator, 2A	TIS	TPS51206DSQT	AVIP-0000192		
72	1	U1	6ch High Speed Level Translator, Bidirectional, 1.8V-3.3V	MMX	MAX1303SEE1E+	AVIL-0000022		

MicroZed Component List



Source Data: Zynq_Z010_MicroZed.PrjPCB
 Project: Zynq_Z010_MicroZed.PrjPCB
 Variant: Rev-B Release 02
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#	Quantity	Designator	Description	MFG	MFGPN	AVLNo	DNP	Comments
73	1	U7	QSPI Flash 128M5 3.3V FBGA 1mm	ADV	S25FL128SAGBHA00	AVIM-0000100		
74	1	U3	High Integrated 10/100/1000 Ultra Gigabit Ethernet Transceiver	MVL	38E1512-AG-NNP2C200	AVIF-0000947		
75	1	U19	LHS Dual Buffer 1.65V-5.5V	FSC	NC7WZ07FHX	AVID-0000488		
76	1	U4	USB 2.0 ULPI OTG Transceiver	MCC	USB3320C-E2K	AVIY-0000045		
77	1	U20	AND SM LVCMOS Single	TIS	SN74LVC1G08DCKT	AVID-0000485		
78	1	U8	2-Bit Bidirectional Voltage-Level Translator	TIS	TXS0102DQER	AVID-0000486		
79	4	U14, U15, U16, U17	Step Down Switcher, 3A, 3V-17V, Adjustable	TIS	TLV62130RGT	AVIP-0000191		
80	1	U2	USB UART Bridge	SLL	CP2104-F03-GM	AVIY-0000046		
81	1	U10	OSC, SM, Discera, 1.8V, 33.3300MHz, 50ppm, 2.5x2.0mm	DSE	DSC1001D11-033.3300	AVIT-0000119		
82	1	U6	OSC, SM, Discera, 1.8V, 25.0000MHz, 50ppm, 2.5x2.0mm	DSE	DSC1001D11-025.0000	AVIT-0000121		
83	1	U5	OSC, SM, Discera, 1.8V, 24.0000MHz, 50ppm, 2.5x2.0mm	DSE	DSC1001D11-024.0000	AVIT-0000120		

Approved: 404
 Notes: 404