

Bill of Materials

Project: PicoZed 7015/7030
Project Name: PicoZed 7015/7030
Revision: C
Variant: A

Report Date: 12/9/2014 10:23:45 AM



#	Quantity	Designator	Description	MFG	MFGPN	Temp	DNP
1	1	BPH1	PCB		Z7PZP-Z70xx-PCB-C		
2	6	C1, C6, C19, C24, C108, C134	CAP SM 47uF 6.3V 20% X5R C0805	Taiyo Yuden	JMK212B3476MG-T	I	
3	51	C2, C3, C4, C5, C7, C8, C9, C10,	CAP SM 0.1uF 16V 10% X5R C0201	TDK	C0603X5R1C104K030BC	I	
4	23	C11, C12, C13, C14, C15, C16,	CAP SM 0.01uF 10V 10% X5R C0201	AVX	0201D103KAT2A	I	
5	4	C40, C41, C63, C99	CAP SM 10uF 6.3V 20% X5R C0603	AVX	06036D106MAT2A	I	
6	1	C42	CAP SM 0.22uF 6.3V 10% X5R C0402	AVX	04026D224KAT2A	I	
7	21	C45, C46, C77, C80, C83, C100,	CAP SM 100uF 6.3V 20% X5R C1206, CAP SM 100uF 6.3V 20% X5R C1206,	Murata	GRM32EF50J107ZE20K	I	
8	25	C47, C48, C51, C56, C78, C81,	CAP SM 4.7uF 6.3V 20% X5R C0402	Murata	GRM155R60J475ME87D	I	
9	34	C57, C93, C109, C110, C117,	CAP SM 0.47uF 6.3V 10% X5R C0402	Taiyo Yuden	JMK105B3474KV-F	I	
10	2	C68, C182	CAP SM 2.2uF 6.3V 10% X5R C0603	AVX	06036D225KAT2A	I	
11	6	C70, C193, C195, C196, C197,	CAP SM 0.1uF 10V 10% X5R C0201	AVX	0201D104KAT2A	I	
12	5	C71, C74, C86, C89, C190	CAP SM 100uF 16V 20% X5R C1206	Taiyo Yuden	EMK325ABJ107MM-T	I	
13	5	C72, C75, C87, C90, C191	CAP SM 2.2uF 16V 20% X5R C0402	Taiyo Yuden	EMK105ABJ225MV-F	I	
14	7	C161, C163, C164, C165, C173,	CAP SM 10uF 25V 10% X5R C1206	AVX	12063D106KAT2A	I	
15	1	C169	CAP SM 56pF 25V 10% NPO C0402	AVX	0402A560KAT2A	I	
16	1	C170	CAP SM 0.0022uF 16V 10% X7R C0402	AVX	0402C22KAT2A	I	
17	3	C172, C175, C178	CAP SM 22uF 10V 20% X5R C0805	Taiyo Yuden	EMK212B3226MG-T	I	
18	3	C174, C177, C180	CAP SM 0.0033uF 25V 5% X7R C0402	AVX	0402C332JAT2A	I	
19	1	D3	LED, GREEN	Avago	H5MM-C190	I	
20	1	JP1	CONN HEADER 3POS SMT	TE Connectivity	3-647166-3	C	DNP
21	1	JT1	Jumper 3-pad 0402 Pin 1-2	Vishay	CRCW04021K00FKED	I	
22	2	JT2, JT5	Jumper 3-pad 0402 Pin 1-2, Jumper 3-pad 0402 RES - 1K-Ohm : Pads 1-2	Vishay	CRCW04021K00FKED	I	
23	3	JT3, JT4, JT6	Jumper 3-pad 0402 Pin 1-2, Jumper 3-pad 0402 Pin 1-2, Jumper 3-pad 0402	Vishay	CRCW04020000Z0ED	I	
24	1	JT7	Jumper 3-pad 0402 RES - 0 Ohm : Pads 1-2	Vishay	CRCW04020000Z0ED	I	
25	3	JX1, JX2, JX3	Microheader 100 pos Plug, 8mm	FCI	61082-101400LF	C	
26	8	L1, L2, L3, L4, L5, L6, L7, L8	FB SM 220 ohm@100MHz 2000mA 0.25 0.045 ohm@DC L0805	Murata	BLM21PG221SN1D	C	
27	1	L9	IND SM 0.800uH 15A DCR=5.14mOhm	Bourns	SRP6540-R82M	C	
28	3	L10, L11, L12	IND SM 1uH 2.35A DCR=48mOhm	Bourns	SRN3015-1ROY	C	
29	27	NT1, NT2, NT3, NT4, NT5, NT6,	Net Tie 2 Points, 2210 NT2 NT2-2210		None		DNP
30	6	Q1, Q2, Q3, Q4, Q5, Q6	MOSFET-N	On Semi	BSS138LT1G	I	
31	7	R1, R2, R33, R39, R50, R58, R75	RES SM 240 62mW 0.01 R0402	Vishay	CRCW0402240RFKED	I	
32	3	R3, R7, R30	RES SM 80.6 62mW 0.01 R0402	Vishay	CRCW040280RFKED	I	
33	27	R4, R5, R6, R8, R9, R10, R11,	RES SM 40.2 62mW 0.01 R0402	Vishay	CRCW040240RFKED	I	
34	15	R19, R20, R45, R48, R49, R52,	RES SM 10K 62mW 0.01 R0402, RES SM 10K 62mW 0.01 R0402, RES SM	Vishay	CRCW040210K0FKED	I	
35	8	R32, R34, R35, R36, R38, R41,	RES SM 1K 62mW 0.01 R0402	Vishay	CRCW04021K00FKED	I	
36	5	R37, R43, R61, R65, R69	RES SM 4.99K 62mW 0.01 R0402	Vishay	CRCW04024K99FKED	I	
37	4	R40, R44, R51, R87	RES SM 0 ohm 62mW J R0402	Vishay	CRCW04020000Z0ED	I	
38	2	R47, R56	RES SM 8.06K 62mW 0.01 R0402	Vishay	CRCW04028K06FKED	I	
39	1	R54	RES SM 2.55K 62mW 0.01 R0402	Vishay	CRCW04022K55FKED	I	
40	1	R57	RES SM 232K 0.1W 0.01 R0603	Vishay	CRCW0603232KFKEA	I	
41	1	R62	RES SM 13.0K 62mW 0.01 R0402	Vishay	CRCW040213K0FKED	I	
42	1	R63	RES SM 56.2K 62mW 0.01 R0402	Vishay	CRCW040256K2FKED	I	
43	1	R64	RES SM 15.0K 62mW 0.01 R0402	Vishay	CRCW040215K70FKED	I	
44	1	R66	RES SM 18.2K 62mW 0.01 R0402	Vishay	CRCW040218K2FKED	I	
45	1	R67	RES SM 1.5K 62mW 0.01 R0402	Vishay	CRCW04021K50FKED	I	
46	1	R68	RES SM 18.7K 62mW 0.01 R0402	Vishay	CRCW040218K7FKED	I	
47	1	R70	RES SM 15.0K 62mW 0.01 R0402	Vishay	CRCW040215K0FKED	I	
48	4	R71, R72, R73, R74	RES SM 0 ohm 62mW J R0402	Vishay	CRCW04020000Z0ED	I	DNP
49	7	R82, R83, R84, R85, R88, R89,	RES SM 20.0K 62mW 0.01 R0402	Vishay	CRCW040220K0FKED	I	
50	1	R91	Res Thick Film 0402 100 Ohm 1% 1/16W ±100ppm/C Molded SMD Paper T/R	Vishay	CRCW0402100RFKED	I	
51	1	R93	RES SM 300.0K 62mW 0.01 R0402	Vishay	CRCW0402300KFKEA	I	
52	2	RP1, RP2	RPACK SM 4.7K 62mW 0.05 RPACK4-LCC	Bourns	CAT16-47234LF	I	
53	1	SW1	SLIDE SWITCH SPDT 2POS 6V	Copal Electronics	CAS-D20B	C	
54	1	U1	Zynq 7015/7030 SOC S8G485	Xilinx	XC7Z015-1CLG485-C	C	
55	2	U2, U3	4Gb 64M x 16 DDR3 SDRAM	Micron	MT41K256M16HA-125-E	C	
56	1	U4	DDR Termination Regulator, 2A	Texas Instruments	TPS51206DSQT	C	
57	1	U5	High Integrated 10/100/1000 Ultra Gigabit Ethernet Transceiver	Marvell	88E1512-AD-NNP2C000	C	
58	1	U6	OSC, SM, Discera, 1.8V, 25.000MHz, 50ppm, 2.5x2.0mm	Abracon	ASDMB-25.000MHz-LC-T	C	
59	1	U7	USB 2.0 ULPI OTG Transceiver	Microchip	USB3320C-EZK	C	
60	1	U8	Low Power Dual 2-Input Positive-AND Gate	Texas Instruments	SN74AUP2G08DQER	C	
61	1	U9	OSC, SM, Discera, 1.8V, 24.000MHz, 50ppm, 2.5x2.0mm	Abracon	ASDMB-24.000MHz-LC-T	C	
62	1	U10	Low Power Single 2-Input Positive-AND Gate	Texas Instruments	SN74AHC1G08DRLR	I	
63	1	U11	Step Down Switcher, 6A, 3V-17V, Adjustable	Texas Instruments	TPS54618RTE	C	
64	3	U12, U13, U14	Step Down Switcher, 3A, 3V-17V, Adjustable	Texas Instruments	TLV62130RGT	C	
65	1	U15	eMMC Memory: 4GB/8GB/16GB/32GB/64GB, 153-ball/169-ball FBGA, 3.3V	Micron	MTFC4GMDEA-4M IT	I	
66	1	U16	OSC, SM, 1.8V 33.3300MHz, 50ppm, 2.5x2.0mm	Abracon	ASDMB-33.333MHz-LC-T	C	
67	1	U17	Quad SPI Flash, 128Mbit, 3.3V	Spansion	S25FL128AGBHA00	I	
68	2	U18, U19	Quad 1-of-2 Multiplexer/Demultiplexer	NXP	74CBTLV3257BQ	C	
69	1	U20	2-Bit Bidirectional Voltage-Level Translator	Texas Instruments	TXS0102DQE	I	

Approved

Notes