

Bill of Materials

Project: PICOZED
Project Name: Z7PZ-720x0
Revision: C
Variant: NONE



Report Date: 17-Nov-14

#	Quantity	Designator	Description	MFG Code	MFG PN
1	1	BPH1	PCB	AVNET	Z7PZ-720x0-PCB-C
2	22	C1, C3, C9, C10, C13, C14, C15, C17, C18, C22, C23, C27, C29, C30, C35, C37, C38, C41, C46, C49, C176, C182	CAP SM 100uF 6.3V 20% XSR C1210	MUR	GRM32EF50J107ZE20K
3	53	C2, C6, C20, C24, C25, C32, C62, C63, C64, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C77, C78, C79, C80, C82, C83, C84, C86, C87, C127, C136, C137, C140, C141, C142, C143, C146, C148, C152, C153, C156, C158, C160, C161, C163, C165, C168, C170, C171, C172, C175, C177, C179, C181	CAP SM 0.1uF 10V 10% XSR C0201	AVX	02016D104KAT2A
4	28	C4, C5, C12, C26, C28, C33, C36, C39, C65, C76, C92, C97, C101, C102, C103, C104, C105, C106, C110, C115, C118, C126, C128, C131, C173, C174, C178, C180	CAP SM 4.7uF 6.3V 20% XSR C0402	AVX	GRM155R60J475ME87D
5	2	C7, C81	CAP SM 2.2uF 6.3V 10% XSR C0603	AVX	06036D225KAT2A
6	4	C8, C40, C48, C119	CAP SM 10uF 6.3V 20% XSR C0603	AVX	06036D106MAT2A
7	2	C11, C21	CAP SM 100uF 6.3V 20% XSR C1210	MUR	GRM32EF50J107ZE20K
8	30	C16, C19, C88, C89, C90, C91, C93, C94, C95, C96, C98, C99, C100, C107, C108, C109, C111, C112, C113, C114, C116, C117, C120, C121, C122, C124, C129, C130, C132, C133	CAP SM 0.47uF 6.3V 10% XSR C0402	TAI	JMK105B3474KV-F/BKN
9	22	C31, C34, C123, C125, C135, C138, C139, C144, C145, C147, C149, C150, C151, C154, C155, C157, C159, C162, C164, C166, C167, C169	CAP SM 0.01uF 10V 10% XSR C0201	AVX	02012D103KAT2A
10	6	C42, C43, C44, C45, C85, C134	CAP SM 47uF 6.3V 20% XSR C0805	TYC	JMK212B3476MG-T
11	1	C47	CAP SM 0.22uF 6.3V 10% XSR C0402	AVX	04026D224KAT2A
12	4	C50, C52, C54, C56	CAP SM 22uF 16V 20% XSR C0805	TAIYO YUDEN	EMK212BBJ226MG-T
13	4	C51, C53, C55, C57	CAP SM 10uF 25V 10% XSR C1206	AVX	12063D106KAT2A
14	4	C58, C59, C60, C61	CAP SM 0.0033uF 25V 5% X7R C0402	AVX	04023C332JAT2A
15	1	D1	LED, GREEN 525nm 3.2V 20mA 150mcd LED-G LED_LITE-LTST-C191TBK1-G	LTP	LTST-C191TGKT
16	1	JP1	CONN-HEADER 3POS SMT	TE CONNECTIVITY	BSS138
17	4	JT1, JT3, JT4, JT7	Jumper 3-pad 0402 RES - 0 Ohm - Pads 1-2	DAL	CRCW0402000020ED
18	2	JT2, JT5	Jumper 3-pad 0402 RES - 1K-Ohm - Pads 1-2	DAL	CRCW04021K00FKED
19	1	JT6	Jumper 3-pad 0402 RES - 4.75 K-ohm - Pads 1-2	DAL	CRCW04024K75FKED
20	3	JX1, JX2, JX3	Microheader 100 pos Plug .8mm	FCI	61082-101400LF
21	5	L1, L2, L3, L4, L5	FB SM 220 ohm@100MHz 2000mA 0.25 0.045 ohm@DC L0805	MUR	BLM21P2G221SN1D
22	3	L6, L7, L8	IND SM 1uH 2.35A DCR=48mOhm	BNS	SRN3015-1R0Y
23	1	L9	IND SM 2.2uH 6.3A DCR=7mOhm	BNS	SRN8040-2R2Y
24	27	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	Net Tie 2 Points, 2210 NT2-2210	None	None
25	6	Q1, Q2, Q3, Q4, Q5, Q6	MOSFET-N	ON SEMI	BSS138LT1G
26	8	R1, R2, R4, R6, R37, R43, R72, R73	RES SM 1K 62mW 0.01 R0402	DAL	CRCW04021K00FKED
27	8	R3, R5, R41, R45, R64, R71, R79, R81	RES SM 240 62mW 0.01 R0402	DAL	CRCW0402240RFKED
28	4	R7, R8, R49, R50	RES SM 0 ohm 62mW J R0402	DAL	CRCW0402000020ED
29	27	R9, R12, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R78, R80, R82, R83, R84, R85, R86	RES SM 40.2 62mW 0.01 R0402	DAL	CRCW0402402RFKED
30	8	R10, R11, R13, R47, R56, R59, R70, R76	RES SM 20.0K 62mW 0.01 R0402	DAL	CRCW040220K0FKED
31	4	R14, R52, R55, R68	RES SM 0 ohm 62mW J R0402	DAL	CRCW0402000020ED
32	13	R33, R34, R53, R57, R58, R60, R61, R62, R63, R66, R67, R69, R89	RES SM 10.0K 62mW 0.01 R0402	DAL	CRCW040210K0FKED
33	2	R35, R39	RES SM 18.7K 62mW 0.01 R0402	DAL	CRCW040218K7FKED
34	1	R36	RES SM 13.0K 62mW 0.01 R0402	DAL	CRCW040213K0FKED
35	1	R38	RES SM 15.0K 62mW 0.01 R0402	DAL	CRCW040215K0FKED
36	1	R40	RES SM 1.9K 62mW 0.01 R0402	DAL	CRCW04021K95FKED
37	1	R42	RES SM 96.2K 62mW 0.01 R0402	DAL	CRCW040296K2FKED
38	1	R44	RES SM 18.2K 62mW 0.01 R0402	DAL	CRCW040218K2FKED
39	7	R46, R48, R54, R65, R87, R88, R90	RES SM 4.99K 62mW 0.01 R0402	DAL	CRCW04024K99FKED
40	1	R51	RES SM 8.06k 62mW 0.01 R0402	DAL	CRCW04028K06FKED
41	3	R74, R75, R77	RES SM 80.6 62mW 0.01 R0402	DAL	CRCW040280R6FKED
42	1	R91	RES SM 300.0K 62mW 0.01 R0402	DAL	CRCW0402300KFKED
43	2	RP1, RP2	RPACK SM 4.7K 62mW 0.05 RPACK4-LCC	BNS	CAT16-472J4LF
44	1	SW1	SLIDE SWITCH SPDT 2POS 6V	COPAL	GAS-020B
45	2	U1, U2	Quad 1-of-2 Multiplexer/Demultiplexer	NXP	74CBTLV3257BQ
46	1	U3	eMMC Memory: 4GB/8GB/16GB/32GB/64GB, 153-ball/169-ball FBGA, 3.3V	MIC	MTFC4GMDE4M-4M IT
47	1	U4	High Integrated 10/100/1000 Ultra Gigabit Ethernet Transceiver	MARVELL	88E1512-A0-NNP2C000
48	1	U5	USB 2.0 ULP1 OTG Transceiver	SMSC	USB3320C-EZK
49	1	U6	NOR Flash Serial-SPI 3V3.3V 128Mbit 128M x 1bit 8ns 24-Pin BGA	SPN	S25FL128SAGBH200
50	1	U7	OSC. SM, Abrakon, 1.8V, 24.0000MHz, 50ppm, 2.5x2 0mm	ABRACON	ASDMB-24.000MHZ-LC-T
51	1	U8	OSC. SM, Abrakon, 1.8V, 25.0000MHz, 50ppm, 2.5x2 0mm	ABRACON	ASDMB-25.000MHZ-LC-T
52	1	U9	Low Power Dual 2-Input Positive-AND Gate	TIS	SN74AUP2G38DQER
53	1	U10	2-Bit Bidirectional Voltage Level Translator	TIS	TXS0102DCE
54	1	U11	2-pin 7010/7020 SOC CLG400	XLX	XC72010-1CLG400C
55	1	U12	OSC. SM, Abrakon, 1.8V 33.3300MHz, 50ppm, 2.5x2 0mm	ABRACON	ASDMB-33.33MHZ-LC-T
56	2	U13, U14	4Gb 64M x 16 DDR3 SDRAM	MIC	MT41K256M16HA-125-E
57	1	U15	DDR Termination Regulator, 2A	TIS	TPS51206DSQT
58	4	U16, U17, U18, U19	Step Down Switcher, 3A, 3V-17V, Adjustable	TIS	TLV62130RGIT
59	1	U20	Low Power Single 2-Input Positive-AND Gate	TIS	SN74AHC1G08DRLR

Approved

Notes