

# Component List



Source Data: ZYNQ\_Mini-ITX\_REVE.PrjPcb

Project: ZYNQ\_Mini-ITX\_REVE.PrjPcb

Variant: None

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#	Quantity	Designator	Description	MFGPN	DNP
1	1	Y1	Silicon Oscillator 200MHz 15pF ±25ppm 6-Pin SMD T/R	ASDMPLV-200.00MHZ-LR-T	
2	1	Y4	Silicon Oscillator 12MHz 15pF ±25ppm 4-Pin QFN EP Tube	ASE-12.000MHZ-I-R-T	
3	1	Y2	Silicon Oscillator 33MHz 15pF ±25ppm 4-Pin SMD Tube	ASE3-33.000MHZ-I-R-T	
4	1	Y3	SMD, 18PF, 25.00MHZ	ABM8G-25.000MHZ-18-D2Y-T	
5	1	U33	Clock Fanout Buffer 3-OUT 8-Pin TSSOP Tube	CDCLVC1103PW	
6	2	U16, U29	EEPROM Serial-I2C 8K-bit 1K x 8 2.5V/3.3V/5V 8-Pin TSSOP T/R	M24C08-RDW6TP	
7	2	U11, U12	I2C Bus Repeater 8-Pin TSSOP T/R	PCA9517ADP	
8	1	U21	Volt Supervisor PWR Supply 16-Pin TQFN EP	MAX16025TE+	
9	1	U18	Voltage Level Translator 16-Pin TQFN EP	MAX13035EETE+	
10	13	TP15, TP16, TP17, TP18, TP19,	Test Point 24 mil pad, round, 10 mil hole, small symbol TPS TP24TH	None	DNP
11	8	TP11, TP12	Test Pad	N/A	
12	7	SW8, SW9	SWIT TCTL SPST RND BTN SMD 0.02A 15VDC 1.56N SMD	8-1437565-0	
13	1	SW2	SWITCH DIP HALF PITCH 8POS SMD	1-1571983-1	
14	1	SW12	SPDT Slide Switch	1101M2S3CQE2	
15	1	D1	Diode Small Signal Switching 250V 0.2A 3-Pin SOT-23 T/R	BAS21	
16	2	Q1, Q18	MOSFET N-CH 60V 115MA SOT-23	2N7002	
17	16	Q10, Q11, Q12, Q13, Q14, Q15,	Trans GP BJT NPN 40V 0.2A 3-Pin SOT-23 T/R	MMBT3904	
18	1	U6	AND SM CMOS Single 74V1G08 SOT23-5	74V1G08STR	
19	2	U9, U37	LDO Regulator Neg/Pos -0.1V to 3.5V 3A 10-Pin VSON EP T/R	TPS5120DRCT	
20	1	U24	Dual Negative Edge Triggered J-K Flip-Flop w/ CLR and PRE, 5V	SN74HC112D	
21	1	D28	Diode Small Signal Switching 75V 0.2A 2-Pin SOD-523 T/R	BAS16XV2T1	
22	1	U5	Hex Scmitt-Trigger Inverter, 5V	SN74HC14D	
23	2	U19, U20	NOR Flash Serial-SPI 3V/3.3V 128Mbit 128M x 1bit 8ns 16-Pin SOIC W Tube	S25FL128SAGMFIRO	
24	1	U15	Real Time Clock Serial 16-Pin SOIC W	DS1337C	
25	1	SW7	Switch DIP OFF ON SPDT 5 Raised Slide 0.05A 24VDC Gull Wing 2.54mm SMD Tube	204-125ST	
26	1	SW11	Switch DIP OFF ON SPST 4 Recessed Slide 0.025A 24VDC Gull Wing 1000Cycle 1.27mm SMD T/R	TDA04H0SB1R	
27	1	SW10	Switch DIP OFF ON SPST 2 Recessed Slide 0.025A 24VDC Gull Wing 1000Cycle 1.27mm SMD Tube	TDA02H0SB1	
28	2	U22, U23	AND Gate 1-Element 2-IN CMOS 5-Pin SC-70 T/R	SN74LVC1G08DCKT	
29	1	U2	Voltage Level Translator 6-Pin SC-70 T/R	SN74AVC1T45DCK	
30	15	RP7, RP8, RP9, RP10, RP11,	Res Thick Film Array 4.7K Ohm 5% ISOL Molded 8-Pin 1206 Concave SMD Paper T/R	CAT16-472J4LF	
31	1	R198	Load resistor for ATX Power Supply minimum load	RSF100JB-73-47K	
32	3	R8, R104, R105	Res Thick Film 0402 330 Ohm 5% 1/16W ±200ppm/°C Molded SMD SMD Paper T/R	CRCW0402330RJNED	
33	34	R31, R32, R33, R37, R41, R46,	Res Thick Film 0402 1K Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD Paper T/R	CRCW04021K00FKED	
34	20	R95, R110, R111, R114, R115,	Res Thick Film 0402 0 Ohm Molded SMD Paper T/R	CRCW04020000Z0ED	
35	8	R226, R229, R230	Res Thick Film 0402 49.9 Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD Paper T/R	CRCW040249R9FKED	
36	37	R63, R65, R66, R71, R72, R73,	Res Thick Film 0402 4.75K Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD Paper T/R	CRCW04024K75FKED	
37	3	R76, R113, R120	Res Thick Film 0402 0 Ohm Molded SMD Paper T/R	CRCW04020000Z0ED	DNP
38	1	R89	Res Thick Film 0402 24.9K Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD Paper T/R	CRCW040224K9FKED	
39	6	R244	Res Thick Film 0402 2K Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD Paper T/R	CRCW04022K00FKED	
40	2	R218, R219	Res Thick Film 0402 33 Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD Paper T/R	CRCW040233R0FKED	
41	1	R11	Res Thick Film 0402 4.75K Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD Paper T/R	CRCW04024K75FKED	DNP
42	4	R98, R99, R102, R103	Res Thick Film 0402 49.9K Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD Paper T/R	CRCW040249K9FKED	
43	6	R217	Res Thick Film 0402 100 Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD Paper T/R	CRCW0402100RFKED	
44	27	R127, R128, R129, R130, R131,	Res Thick Film 0402 10K Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD Paper T/R	CRCW040210K0FKED	
45	2	R237, R239	Res Thick Film 0402 100 Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD Paper T/R	CRCW0402100RFKED	DNP
46	4	R29, R30, R163, R164	Res Thick Film 0402 100K Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD Paper T/R	CRCW0402100KFKED	

47	1	R138	Res Thick Film 0402 200K Ohm 1% 1/16W ±100ppm/°C Molded SMD Paper T/R	CRCW0402200KFED
48	7	R119, R121	Res Thick Film 0402 20K Ohm 1% 1/16W ±100ppm/°C Molded SMD Paper T/R	CRCW040220K0FKED
49	1	R209	Res Thick Film 0402 22 Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD Paper T/R	CRCW040222R0FKED
50	3	R87, R88, R112	Res Thick Film 0402 22.1 Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD Paper T/R	CRCW040222R1FKED
51	4	R19, R20, R156, R157	Res Thick Film 0402 240 Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD Paper T/R	CRCW0402240RFKED
52	1	R225	Res Thick Film 0402 27K Ohm 5% 1/16W ±200ppm/°C Molded SMD SMD Paper T/R	CRCW040227K0JNED
53	1	R152	Res Thick Film 0402 4.99K Ohm 1% 1/16W ±100ppm/°C Molded SMD Paper T/R	CRCW04024K99FKED
54	47	R42, R43, R44, R45, R47, R48,	Res Thick Film 0402 40.2 Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD Paper T/R	CRCW040240R2FKED
55	1	R144	Res Thick Film 0402 47K Ohm 1% 1/16W ±100ppm/°C Molded SMD Paper T/R	CRCW040247K0FKED
56	2	R143, R214	Res Thick Film 0402 649 Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD Paper T/R	CRCW0402649RFKED
57	3	R124, R125, R145	Res Thick Film 0402 8.06K Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD Paper T/R	CRCW04028K06FKED
58	10	R81, R158, R159, R189	Res Thick Film 0402 80.6 Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD Paper T/R	CRCW040280R6FKED
59	1	R232	Res Thick Film 0402 887 Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD Paper T/R	CRCW0402887RFKED
60	1	U32	SINGLE-PORT GIGABIT ETHERNET PHY WITH EEE, RGMII, 1.8V IO O	88E1518-A0-NNB2C000
61	1	U17	Audio Codec 2ADC / 2DAC 24-Bit 32-Pin LFCSP EP	ADAU1761BCPZ
62	1	U25	MULTI-FREQUENCY USB 2.0 ULP PHY	USB3320C-EZK
63	1	U39	PLL Frequency Synthesizer Single 43.75MHz to 683.28MHz 32-Pin VQFN EP T/R	CDCM61001RHB
64	1	U26	USB Hub Controller 28-Pin QFN EP Bulk	CY7C65632-28LTXC
65	1	U34	SINGLE-CHIP USB TO UART BRIDGE	CP2103-GM
66	1	U10	I2C Multiplexer 1-Element 8-IN 24-Pin VQFN EP T/R	PCA9548BARGER
67	1	U40	Silicon Oscillator 100MHz ±100ppm 14-Pin QFN EP T/R	DSC557-0343F10
68	1	Y6	Silicon Oscillator 150MHz 15pF ±25ppm 6-Pin SMD Tube	FXO-LC325-150.000
69	1	Y5	Silicon Oscillator 25MHz 15pF ±25ppm 6-Pin QFN EP T/R	ASD-25.000MHZ-E-R-T
70	1	J12	SATA II CONN, 7P,V/T,LB,G/F	06-7800500-5
71	2	U4, U38	Buffer/Driver 2-CH Non-Inverting Open Drain CMOS 6-Pin MicroPak T/R	NCTWZ07FHX
72	1	U43	HDMI Transmitter 100-Pin LQFP	ADV7511
73	4	D13, D17, D26, D27	LED Uni-Color Yellow 585nm 2-Pin Chip LED T/R	LTST-C190YKT
74	8	D24, D25	LED Uni-Color Green 525nm 2-Pin Chip LED T/R	LTST-C191TGKT
75	1	D3	LED Uni-Color Blue 468nm 2-Pin Chip LED T/R	LTST-C191TBKT
76	8	D4, D5, D6, D7, D8, D9, D10, D11	LED Uni-Color Red 630nm 2-Pin Chip LED T/R	HSMS-C190
77	18	L15, L16, L18, L20, L23, L24, L25,	Ind Chip Bead 220Ohm 25% 100MHz Ferrite 2A 0805 Paper T/R	BLM21PG221SN1D
78	1	U3	JTAG SMT2 HIGH SPEED PROGRAMMING MODULE	210-251
79	2	JP10, JP11	CONN HEADR BRKWAY RA .100 3POS STR, CONN HEADR BRKWAY RA .100 3POS STR	103148-3
80	2	JP1, JP12	CONN HEADR BRKWAY .100 3POS STR	5-146280-3
81	2	L21, L22	Inductor, 1uH, 500mA, 1210	ELJ-EA1R0MF
82	1	J11	Conn Unshrouded Header HDR 20 POS 2.54mm Solder ST Thru-Hole	6-146256-0
83	1	JP7	Header TH 100mil 3x2 HDR3X2 HDR3X2	5-146256-3
84	6	J14, JP2, JP5, JP6, JP8, JP9	CONN HEADR BRKWAY .100 2POS STR	5-146280-2
85	1	J15	CONN HEADR BRKWAY RA .100 2POS STR	103148-2
86	1	D29	ESD Suppressor 25KV 2-Pin SMD T/R/Box	PESD0402-140
87	3	D30, D31, D32	ESD Suppressor Diode Arrays 20KV 5-Pin DFN	RF3076-000
88	11	D36, D37, D38, D39, D40	ESD SM ESD Protection POLY_ESD ESD0201	SESD0201X1UN-0020-09
89	5	U13, U14, U31, U41, U42	Voltage Level Translator 8-Pin X2SON T/R	TXS0102DQE
90	4	D2, D12, D41, D42	Diode SM MBRA130LT3G Schottky 1.0A 30V DIO-S SMA	MBRA130LT3G
91	1	J6	CONN TH RJ45 Jack 10/100/1000 w/Mags and LEDs 15 pin 8 pos RJ45_MAG_AMP_1840808-7 CON_TYCO_1840808-7	SI-51005-F
92	1	J7	CONN RCPT MICRO USB TYPE AB RA	1981584-1
93	1	J4	Conn Micro SD Card HDR 8 POS Solder RA SMD T/R 0.5A/Contact	1871602-2
94	1	P3	Conn Display Port RCP 20 POS 1mm Solder RA Thru-Hole 20 Terminal 1 Port Reel	2040451-1
95	1	J13	Conn HDMI RCP 19 POS 0.5mm Solder RA Flag Thru-Hole 19 Terminal 1 Port Embossed	2007435-1
96	1	P4	SFP Host Connector	1367073-1
97	1	J17	CONN FAN PWR.100 3POS KEYED	640456-3
98	1	J16	CONN FAN PWR.100 3POS KEYED	292161-3
99	1	P5	Conn PCI Express Card SKT 164 POS 1mm Solder ST Thru-Hole Tube	PCIE-164-02-F-D-TH
100	1	J8	Conn Socket Strip SKT 10 POS 5.08mm Solder ST Thru-Hole Tube	HPF-10-01-T-S
101	1	J9	Conn Socket Strip SKT 8 POS 5.08mm Solder ST Thru-Hole Tube	HPF-08-01-T-S
102	1	J10	Conn Socket Strip SKT 10 POS 1.27mm Solder ST SMD Tube	CLP-105-02-F-D
103	1	JX1	Conn Array Socket SKT 400 POS 1.27mm Solder ST SMD Tray	ASP-134486-01
104	1	J1	Conn Shrouded Header HDR 14 POS 2mm Solder ST SMD Tube	87832-1420
105	1	P2	Conn Wire to Board HDR 24 POS 4.2mm Solder ST Thru-Hole Tray	44206-0007
106	2	J2, J3	Conn 3.5MM Stereo Jack F/F 3/3 POS Solder RA Thru-Hole 6 Terminal 2 Port	STX-4235-3/3-N
107	1	J5	USB 2.0 Connector Type A Stacked Ports Quad	USB-A-Q-RA

108	44	C76, C77, C81, C82, C83, C88,	Cap Ceramic 0.1uF 6.3V X5R 10% SMD 0402 85°C T/R	04026D104KAT2A	
109	2	C71, C78			DNP
110	34	C199, C200, C201, C202, C203,	Cap Ceramic 100uF 6.3V X5R 20% SMD 1206 85°C Embossed T/R	GRM31CR60J107ME39L	
111	4	C98, C107, C111, C132	Cap Ceramic 2.2uF 6.3V X5R 20% SMD 0402	GRM155R60J225ME15D	
112	2	C282, C287	CAP 22UF 4V X5R 20% SMD 0603	AMK107BJ226MA-T	
113	30	C74, C79, C80, C84, C85, C89,	Cap Ceramic 10uF 6.3V X5R 20% SMD 0603 85°C Paper T/R	06036D106MAT2A	
114	1	C5	Cap Ceramic 1uF 6.3V X5R 10% SMD 0603 85°C Paper T/R	06036D105KAT2A	
115	1	C120	Cap Ceramic 0.0047uF 50V X7R 5% SMD 0402 125°C Paper T/R	04025C472JAT2A	
116	5	C86, C87, C95, C96, C105	Cap Ceramic 0.1uF 6.3V X5R 10% SMD 0402 85°C T/R	04026D104KAT2A	DNP
117	33	C226, C227, C234, C235, C238,	Cap Ceramic 0.47uF 6.3V X5R 10% SMD 0402 85°C Paper T/R	GRM155R60J474KE19D	
118	3	C113, C318, C319	Cap Ceramic 1uF 6.3V X5R 10% SMD 0402 85°C Paper T/R	04026D105KAT2A	
119	2	C127, C128	Cap Ceramic 33pF 25V C0G 5% SMD 0402 125°C Paper T/R	04023A330JAT2A	
120	25	C183, C184, C189, C190, C194,	Cap Ceramic 4.7uF 6.3V X5R 20% SMD 0402 85°C Paper T/R	GRM155R60J475ME87D	
121	16	C151, C156, C197, C228, C229,	Cap Ceramic 47uF 6.3V X5R 10% SMD 1210 85°C Embossed T/R	12106D476KAT2A	
122	1	C106	CAP SM 3300pF 50V 10% X7R C0402	04025C332KAT2A	
123	36	C28, C29, C40, C41, C42, C43,	Cap Ceramic 0.01uF 10V X7R 10% SMD 0201 125°C Paper T/R	GRM033R71A103KA01D	
124	90	C18, C19, C20, C21, C31, C32,	Cap Ceramic 0.1uF 6.3V X5R 10% SMD 0201 85°C Paper T/R	GRM033R60J104KE19D	
125	2	C193, C195	Cap Ceramic 0.22uF 6.3V X5R 10% SMD 0402 85°C Paper T/R	04026D224KAT2A	
126	4	U7, U8, U35, U36	DRAM Chip DDR3L SDRAM 4G-Bit 256Mx16 1.35V 96-Pin FBGA	MT41K256M16HA-125-E	
127	1	BTH2	Conn Battery SKT 2 POS 2.54mm Solder RA Thru-Hole 3 Terminal 1 Port Tray	120591-1	
128	1	BPH1	1 Port Solder SFP+ Cage Right Angle	2007194-1	
129	1	BPH5	Avnet Maxim Power Module	BD-POM-MXM1-G	
130	1	BTH1	Conn Battery SKT 2Conn BatteryLR44 Coin Cell Battery Holder, SM	BHX1-LR44-SM	
131	1	BAT1	Energizer Lithium Coin Battery 3v	CR2032BP2	
132	1	U1	IC SOC CORTEX ZYNQ K7 900FBGA	XC7Z045-2FFG900	
133	1	BPH4	Low Profile Aluminum Heat Sink/Fan Assembly	SB-ZMITX-FAN	
134	1	BPH3	LR44 Coin Cell Battery 1.5V	ANY	
135	1	BPH2	Power Module Stand-off Kit	ADS-POMXXX1-HARDWARE	
136	10	SH8, SH9, SH10, SH11	SHUNT,ECON,PHBR 15AU,BLACK L/P	1-382811-6	
<b>Approved</b>				<b>Notes</b>	