Comment	Description	Designator	Footprint	LibRef	Quantity
PWR2.5	Low Voltage Power Supply Connector	1	DCJACK	PWR2.5	1
Oscillator	50 MHZ	50MHZ	OSC3.2X2.5MM	Oscillator	1
TPS563201DDCT	4.5 V to 17 V input, 3 A output, synchronous step-down converter in Eco-mode	B1, B2, B3	SOT95P280X110-6N	TPS563201DDCT	3
100nf	C33	C1, C2, C3, C4, C5, C6, C7, C8, C10, C11, C12, C13, C14, C15, C16, C17, C19, C20, C23, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C42	cap0603_manu3d	Cap	35
10UF	C0805, CAP0805	C9, C18, C21, C22, C24, C40, C41	0805_CAP	Cap, Cap Semi	7
10CL120 F484		FPGA1	FBGA484-3	10CL120 F484	1
Header 6	Header, 6-Pin	JP3	HDR1X6	Header 6	1
Header 5X2	Header, 5-Pin, Dual row	JTAG	IDC5x2	Header 5X2	1
Inductor	Inductor	L1	RES0603_manu3d	Inductor	1
SRN4012BTA-4R7M	Ind,4x4x1.0mm,4.7uH+/-20%,2.5A,shd	L2, L3, L4	SRN4012BTA4R7M	SRN4012BTA-4R7M	3
Header 3	Header, 3-Pin	Passive / Active	HDR1X3	Header 3	1
Header 15X2	Header, 15-Pin, Dual row	PMOD	HDR2X15	Header 15X2	1
LED3	Typical BLUE SiC LED	POWER, TEST LED V8	LED0805R	LED3	2
22R	R0603	R1	RES0603_manu3d	Res2	1
4K7	4K7	R2, R3, R4, R5, R6, R7, R8, R9, R13, R18	RES0603_manu3d	Res2	10
220R	RES, 75R	R10, R11	RES0603_manu3d	Res2	2
1K		R14, R16	RES0603_manu3d	Res2	2
0R		R15, R17	RES0603_manu3d	Res2	2
33K	75R	R19, R23	RES0603_manu3d	Res2	2
10K	75R	R20, R21, R24, R27	RES0603_manu3d	Res2	4
75K	75R	R22	RES0603_manu3d	Res2	1
56K	75R	R25	RES0603_manu3d	Res2	1
100K	75R	R26	RES0603_manu3d	Res2	1
RESET	Switch	RESET, USER	SPST-2	SW-PB	2
AS4C32M16SB-7TCN	256Mb Synchronous High-Speed CMOS DRAM, 16Mb x 16Bit x 4 Banks, 54-Pin TSOP, Commercial	SDRAM 64MB	TSOP2-54	MT48LC16M16A2TG-75	1
AS7C34096A-10TIN	HM62V8100I Series 8M SRAM (102AS7C34096A-10TIN	SRAM 2MB	TSOP44-II_MANU	HM62V8100LTTI-5	1
M25P16		U1	SOIC8NA_L	W25Q32BV	1
Conector 32x2		U4, U5	DIP64	Conector 32x2	2