

Tabelle1

Manufacturer	Manufacturer Number	Designator	Qty	Description	Case	SMD/ TH	PCB side	Comments
Intel	10M02SCE144C8G	U2	1	FPGA - Field Programmable Gate Array,	144EQFP	SMD	Top	When hand-soldering: Solder center pad from bottom side
Texas Instruments	THS7316DR	AMP1,AMP2	2	Video Amplifiers 3-Ch HDTV Video Amp	SOIC-8	SMD	Top	
Texas Instruments	LM1117IMPX-3.3/NOPB	REG1,REG2	2	LDO Voltage Regulators 800MA LDO LINEAR REG	SOT-223-4	SMD	Top	
IQD Frequency Products	LFSPXO024957Reel	OSC1	1	Standard Clock Oscillators 25MHz 3.3V 50ppm -40C +85C	5 mm x 3.2 mm	SMD	Top	
NKK Switches	SS14MDH2	SW1	1	Slide Switches SP3T ON-ON-ON		TH	Top	
Cliff	FC68125	J1	1	TRRS Jack		TH	Top	
any		L1,L2,L3	3	Fixed inductors 10uH, 20%	2012	SMD	Top	
any		C8	1	Aluminium Electrolytic Capacitor 100uF 16V	6.3 mm diameter	SMD	Top	
any		C1,C2,C3,C4,C5,C9,C30	7	Ceramic capacitor 10uF, 16V, 20%	2012	SMD	Top	
any		C10,C28,C29	3	Ceramic capacitor 100nF, 16V, 20%	1608	SMD	Top	
any		C6,C7	2	Ceramic capacitor 100nF, 16V, 20%	1608	SMD	Top/Bottom	Bottom until Rev.3, Top from Rev.4 on
any		C11-C27,C31-C34	21	Ceramic capacitor 100nF, 16V, 20%	1608	SMD	Bottom	
any		R27,R28,R29,R33,R34,R35	6	Thick film resistor, 75 Ohm, 1%	2012	SMD	Top	
any		R17,R18,R19	3	Thick film resistor, 150 Ohm, 1%	2012	SMD	Top	
any		R37,R40	2	Thick film resistor, 330 Ohm, 1%	2012	SMD	Top	
any		R36,R38,R39	3	Thick film resistor, 680 Ohm, 1%	2012	SMD	Top	
any		R2,R7,R12,R31	4	Thick film resistor, 1k Ohm, 1%	2012	SMD	Top	
any		R1	1	Thick film resistor, 1.1k Ohm, 1%	2012	SMD	Top	
any		R3,R8,R13	3	Thick film resistor, 2k Ohm, 1%	2012	SMD	Top	
any		R32	1	Thick film resistor, 2.2k Ohm, 1%	2012	SMD	Top	
any		R30	1	Thick film resistor, 3.3k Ohm, 1%	2012	SMD	Top	
any		R4,R9,R14	3	Thick film resistor, 4.02k Ohm, 1%	2012	SMD	Top	
any		R5,R10,R15	3	Thick film resistor, 8.06k Ohm, 1%	2012	SMD	Top	
any		R6,R11,R16	3	Thick film resistor, 16k Ohm, 1%	2012	SMD	Top	
any		R20-R26	7	Thick film resistor, 10k Ohm, 1%	2012	SMD	Top	
any		GPIO1	1	Standard pin header, 2x10 pins, 2.54mm , gold plated		TH	Top	
any		JTAG1	1	Standard pin header, 2x5 pins, 2.54mm, gold plated		TH	Top	