

item no.	part name	digkey part number	quantity/ board	manufacturer part number	Manufacturer Name	Designator
1	IC FPGA IGLOO 1.2-1.5V CSG121	1100-1084-ND	1	AGL060V2-CSG121	Microsemi SoC	U1
2	OSC 40.000 MHZ 1.8V SMD	535-11709-2-ND	1	ASA2-40.000MHZ-L-T	Abracon Corporation	x1
3	IC REG LDO 1.2V 0.15A 4WLCSP	ADP121-ACBZ12R7CT-ND	3	ADP121-ACBZ12R7	Analog Devices Inc	ldo1, ldo2, ldo3
4	TRIMMER 1M OHM 0.05W SMD	490-2034-1-ND	9	PVZ2A105A01R00	Murata Electronics North America	pot1-pot9
5	RES 10K OHM 1/16W 5% 0402 SMD	541-10KJCT-ND	7	CRCW040210K0JNED	Vishay Dale	r3,r4,r5,r6,r7,r8,r9
6	RES 1.0K OHM 1/16W 5% 0402 SMD	541-1.0KJCT-ND	2	CRCW04021K00JNED	Vishay Dale	r1,r2
7	CAP CER 1UF 6.3V 20% X5R 0201	445-8008-1-ND	21	C0603X5R0J105M030BC	TDK Corporation	c1,c3-c6,c9-c11-c15, c17-c25
8	CAP CER 0.1UF 6.3V 20% X5R 0201	445-4711-1-ND	3	C0603X5R0J104M030BC	TDK Corporation	c2,c7,c8
10	CONN SOCKET P4S .4MM 20POS SMD	255-2519-1-ND	1	AXT320124	Panasonic Electric Works	panasonic2
11	CONN HEADER .4MM 20POS SMD	255-3034-1-ND	1	AXT420324	Panasonic Electric Works	panasonic1
12	CONN .5MM FPC 12PS RA SMD B-FLIP	WM1441CT-ND	3	5034801200	Molex Inc	molex1,molex2,molex_bot1
13	CONN .5MM FPC 8POS RA SMD B-FLIP	WM1388CT-ND	1	5034800800	Molex Inc	molex3
14	IC OPAMP INSTR RRO 8SOIC	598-1170-5-ND	1	CS3004-FSZ	Cirrus Logic Inc	op1
15	IC ADC 8BIT 280KSPS SOT23-6	296-18218-1-ND	2	ADS7868IDBVT	Texas Instruments	adc1,adc2
16	IC LEVEL TRANSLATOR BIDIR 8BGA	296-37552-1-ND	2	LSF0102YZTR	Texas Instruments	ls1,ls2
17	CAP CER 10UF 6.3V 20% X5R 0402 10uF cap input	445-8920-1-ND	4	C1005X5R0J106M050BC	TDK Corporation	c27,c28,c29,c30
18	RES 10.0M OHM 1/16W 1% 0402 SMD feedback res 10M Ohm	541-10.0MLCT-ND	2	CRCW040210M0FKED	Vishay Dale	R11,R12
19	CAP CER 0.015UF 25V 10% X8R 0402 feedback cap	445-9700-1-ND	2	CGA2B3X8R1E153K050BD	Vishay Dale	c16,c26
20	RES 15.0K OHM 1/16W 1% 0402 SMD reference resistors	541-15.0KLCT-ND	2	CRCW040215K0FKED	Vishay Dale	R16,R17
21	RES 200 OHM 1/16W 1% 0402 SMD pull-up resistor (3.3)	541-200LCT-ND	3	CRCW0402200RFKED	Vishay Dale	R10, R15,R1010
22	RES 60.4 OHM 1/16W 1% 0402 SMD pull-up resistor (1.2)	541-60.4LCT-ND	3	CRCW040260R4FKED	Vishay Dale	R13,R14,R1311