

Bill Of Materials for ARTY FPGA SDR

Design Title ARTY FPGA SDR
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Document Number 2
Revision B
Design Created Friday, March 30, 2018
Design Last Modified Sunday, September 16, 2018
Total Parts In Design 134

0 Modules

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
Sub-totals:				\$0.00

50 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
7	C1, C7, C9, C13, C15, C17, C45	1n	Digikey 478-1352-1-ND	
4	C2, C8, C10-C11	470n	Digikey 478-1352-1-ND	
2	C3, C6	56p	Digikey 478-1352-1-ND	
2	C4-C5	160p	Digikey 478-1352-1-ND	
14	C12, C14, C16, C21, C25-C30, C39, C42-C44	100n	Digikey 478-1352-1-ND	
2	C18, C20	100p	Digikey 478-1352-1-ND	
2	C19, C22	2u2	Digikey 478-1352-1-ND	
2	C23-C24	1u	Digikey 478-1352-1-ND	
2	C31, C33	330nF	Digikey 478-1352-1-ND	
1	C32	470nF	Digikey 478-1352-1-ND	
1	C34	100nF	Digikey 478-1352-1-ND	
2	C35-C36	1u	Digikey 495-2200-2-ND	
2	C37, C41	22u	Digikey 495-2182-2-ND	
1	C38	27p	Digikey 478-1352-1-ND	
6	C40, C46-C50	10n	Digikey 478-1352-1-ND	

Sub-totals: \$0.00

27 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	R1	28R7	72-0502	
17	R2-R4, R7-R8, R13, R16, R18-R27	10k	72-0502	
3	R5, R14, R17	100R	72-0502	
2	R6, R15	1k	72-0502	
2	R9-R10	0R	72-0502	
1	R11	56k	72-0502	
1	R12	1M	72-0502	

Sub-totals: \$0.00

8 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
2	U1, U3	NC7SZ125	NC7SZ125	
1	U2	LTC6401-20	LTC6401-20	
1	U4	LTC2248	LTC2248	
1	U5	66.6666 MHz		
1	U6	SSM2211	SSM2211	
1	U7	LTC1655L		
1	U8	MAX6951		

Sub-totals: \$0.00

2 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
2	Q1-Q2	2N7002		

Sub-totals: \$0.00

5 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
2	D1, D3	SMBJ3V3HE3/5B	SMAJ58A	
1	D2	ADC_OVFL		
1	D4	LED-RED		
1	D5	LED-GRN		
Sub-totals:				\$0.00

42 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	CON1	RF IN		
2	E1-E2	ENC+SW	PEC11R-4015K-N0024	
1	FU1	50mA (150mA trip)		
1	J1	ANT		
1	J2	Bias Tee		
1	J3	ADC MODE		
1	J4	ADC SENSE		
1	J5	CONN-SIL3		
1	J6	DAC_O		
1	J7	PMOD C		
1	J8	PMOD D		
2	J9, J13	CONN-SIL4		
1	J10	PMOD A		
1	J11	PMOD B		
1	J12	TEST		
2	L1, L4	330n	Digikey PCD1214CT-ND	
1	L2	270n	Digikey PCD1214CT-ND	
3	L3, L7-L8	150n	Digikey PCD1214CT-ND	
4	L5, L9, L12-L13	BLM31KN102SN1L		
1	L6	1.5m	Digikey L04021R0AHN-ND	
2	L10-L11	470uH	Digikey PCD1214CT-ND	
1	LS1	SPEAKER		
2	RN1-RN2	220R		
1	RV1	AF_GAIN		
8	Z1-Z8	LSHD-A103	LSHD-A103	
Sub-totals:				\$0.00

Totals: \$0.00

Friday, September 21, 2018 8:15:08 PM