

Si473x Breakout v1.31 (2/12/2011)

Bill of Materials

Name	Value	Package	Manufacturer	P/N	Supplier	Price	\$29.79
Antennas							
C1	18pF	805	Vishay/Vitramon	VJ0805A180GXQCW1BC	Mouser	\$0.15	\$11.19
C2	.47uF	805	Murata	GRM21BF51C474ZA01L	Mouser	\$0.21	
C9	33pF	805	Vishay/Vitramon	VJ0805A330JXBAT	Mouser	\$0.08	
IC2	-	SOT-23-3	California Micro Devices	CM1213A-01SO	Mouser	\$0.45	
IC3	-	SOT-23-3	California Micro Devices	CM1213A-01SO	Mouser	\$0.45	
L1	180nH	805	Murata	LQW2BHNR18J03L	Mouser	\$0.67	
L2	4.7uH	805	Fastron	0805AS-4R7J-01	Mouser	\$0.24	
S2	SPDT Toggle	-	Mountain Switch	108-2UD3T1258-EV	Mouser	\$4.62	
X2	-	-	Phoenix Contact	1725656	Mouser	\$1.09	
X1	-	-	Xicon	43AR106	Mouser	\$3.11	
SCREW	-	-	Eagle Plastic Devices	38SM026	Mouser	\$0.12	
Si473x							
C3	.1uF	805	Murata	GCM21BR71H104KA37K	Mouser	\$0.08	\$9.42
C4	22nF	805	Kemet	C0805C223K5RACTU	Mouser	\$0.05	
IC1	-	-	Silicon Labs	Si4735-B20	Avnet	\$5.53	
JP2	1x2	.1" THRU	Molex	70553-0001	Mouser	\$0.74	
JP3	1x3	.1" THRU	FCI	68001-103H	Mouser	\$0.18	
JP4	1x2	.1" THRU	FCI	68001-102H	Mouser	\$0.81	
JP5	1x4	.1" THRU	FCI	68001-104HLF	Mouser	\$0.20	
JP6	1x2	.1" THRU	FCI	68001-102H	Mouser	\$0.81	
R1	2K	805	Vishay/Dale	CRCW08052K00FKEA	Mouser	\$0.06	
R10	2K	805	Vishay/Dale	CRCW08052K00FKEA	Mouser	\$0.06	
R11	2K	805	Vishay/Dale	CRCW08052K00FKEA	Mouser	\$0.06	
R12	0R	805	Vishay/Dale	CRCW08050000Z0EB	Mouser	\$0.05	
R2	10K	805	Vishay/Dale	CRCW080510K0FKEA	Mouser	\$0.05	
R3	2K	805	Vishay/Dale	CRCW08052K00FKEA	Mouser	\$0.06	
R4	2K	805	Vishay/Dale	CRCW08052K00FKEA	Mouser	\$0.06	
R5	2K	805	Vishay/Dale	CRCW08052K00FKEA	Mouser	\$0.06	
R6	2K	805	Vishay/Dale	CRCW08052K00FKEA	Mouser	\$0.06	
R7	4.7K	805	Vishay/Dale	CRCW08054K70FKEA	Mouser	\$0.05	
R8	4.7K	805	Vishay/Dale	CRCW08054K70FKEA	Mouser	\$0.05	
R9	604R	805	Vishay/Dale	CRCW0805604RFKEA	Mouser	\$0.05	
S1	-	-	Omron	COM-00097	Sparkfun	\$0.35	
LED1	BLUE	805	Dialight	598-8191-107F	Mouser	\$0.32	
R3	5.6R	805	KOA Speer	RK73H2ATTD5R60F	Mouser	\$0.09	
Headphone Amp							
C6	1uF	805	Kemet	C0805C105M3RACTU	Mouser	\$0.14	\$4.83
C7	.39uF	805	Kemet	C0805C394K3RACTU	Mouser	\$0.53	
C8	.39uF	805	Kemet	C0805C394K3RACTU	Mouser	\$0.53	
IC4	-	SO-8	National Semiconductor	LM4910MA	Digikey	\$1.54	
R13	20K	805	Vishay/Dale	CRCW080520K0FKEA	Mouser	\$0.05	
R18	20K	805	Vishay/Dale	CRCW080520K0FKEA	Mouser	\$0.05	
R19	20K	805	Vishay/Dale	CRCW080520K0FKEA	Mouser	\$0.05	
R20	100K	805	Vishay/Dale	CRCW0805100KFKEB	Mouser	\$0.05	
R21	20K	805	Vishay/Dale	CRCW080520K0FKEA	Mouser	\$0.05	
S3	-	-	C&K Components	BD01	Mouser	\$0.80	
X3	-	-	Switchcraft	35RAPC2BHN2	Mouser	\$1.04	
Clock							
C5	.01uF	805	Xicon	140-CC501B103K-RC	Mouser	\$0.06	\$4.35
IC5	32.768 kHz	-	ABRACON	ASVK-32.768KHZ-ER	Mouser	\$4.29	

Pat Satyshur