

SI473x Breakout Board						
Desig	Qty	Value	Package	Vendor	Data / Vendor PN	Digikey
C1	1	10nF 50V X7R	0402	Samsung	CL05B103KB5NNNC	1276-1028-1-ND
C2	1	1µF 6.3V X5R	0402	Samsung	CL05A105JQ5NNNC	1276-1444-1-ND
C3, C4	2	10µF Feed through	2mmx1.5mm	Murata	NFM21PS106B0J3D	490-11841-1-ND
C5	1	47nF 10% 10V X7R	0402	Samsung	CL05B473KP5NNNC	1276-1573-1-ND
C6	1	18pF 50V 5% C0G NP0	0402	Samsung	CL05C180JB5NNNC	1276-1140-1-ND
C7	1	1µF 10V X5R	0603	Samsung	CL10A105KP8NNNC	1276-1182-1-ND
C9	1	470nF 25V X7R	0603	Samsung	CL10B474KA8NFNC	1276-2082-1-ND
C10	1	22nF	0603	TDK	C1608X7R2A223K080AA	445-2275-1-ND
C11, C15	2	4.7µF	0603	Samsung	CL10A475KP8NNNC	1276-1044-1-ND
C8, C12	2	10µF	0603	TDK	C1608X5R1A106K080AC	445-7486-1-ND
C13	1	2.2µF 25V X5R	0603	Taiyo Yuden	TMK107ABJ225KA-T	587-2909-1-ND
C14	1	22pF 50V 5% C0G, NP0	0402	Samsung	CL05C220JB5NNNC	1276-1116-1-ND
D1	1	LED RED	0603	Lite-On	LTST-C190KRKT	160-1646-1-ND
D2	1	TVS DIODE 3.3V 10V	SOT-23-3	ON Semi	CM1213A-01SO	CM1213A-01SOOSCT-ND
J3, J4	2	Audio Jack	3.5mm 3 Conductor	CUI Devices	SJ1-3513-SMT-TR	CP1-3513SJCT-ND
J5	1	SMA Connector	Edge Mount SMA Female 50Ω	Molex	732511150	WM5534-ND
J6	1	Speaker Jack	Term Block, 1x2 P3.5mm 18-26AWG	TE/AMP	1776275-2	A98036-ND
J7	1	Conn_01x09_Male	Header 1x09 P2.54mm	Generic		
JP1, JP3	2	Conn_01x02_Male	Header 1x02 P2mm	Harwin	M22-2510205	952-1311-ND
JB1, JB2	2	Jumper Block	2mm Shorting Block	Harwin	M22-1900005	952-1305-ND
L1	1	180nH 140mA 2.2Ω	0603	Murata	LQW18ANR18J00D	490-6928-1-ND
Q1, Q2	2	NPN BEC 40V 06.A	SOT23-3	Diodes Inc	MMBT2222A-7-F	MMBT2222A-FDICT-ND
R2, R3	2	10kΩ 1%	0603	Yageo	RC0603FR-0710KL	311-10.0KHRCT-ND
R1, R4, R7, R8	4	4.7kΩ 1%	0603	Yageo	RC0603FR-074K7L	311-4.70KHRCT-ND
R6	1	1kΩ 1%	0603	Yageo	RC0603FR-071KL	311-1.00KHRCT-ND
R9-R11, R14-R16	6	2.0kΩ 1%	0603	Yageo	RC0603FR-072KL	311-2.00KHRCT-ND
R5, R12, R13	3	100kΩ 1%	0603	Yageo	RC0603FR-07100KL	311-100KHRCT-ND
SH1	1	BMI-S-203-F	Shield 26.21x26.21mm Frame	Laird_Technologies	BMI-S-203-F	903-1052-1-ND
SH1	1	BMI-S-203-C	Shield 26.21x26.21mm Cover	Laird_Technologies	BMI-S-203-C	903-1015-ND
U1	1	Si4732	SOIC-6 3.9x9.9mm P1.27mm	Silicon Labs	SI4732-A10-GS	336-5736-ND
U2	1	Si4735	SSOP24 3.9x8.7mm P0.635mm	Silicon Labs	SI4735-D60-GU	336-2140-ND
U5	1	Class AB Amp	SOIC8 3.9x4.9mm P1.27mm	TI	TPA301DR	296-1945-1-ND
X1	1	32768Hz TXCO	4Pin 3.2x2.5mm	Abracon	ECS-327TXO-33-TR	XC3158CT-ND