

Eval Board Name	SI5121X-EVB
Revision	1.0

CreationDate	Proto Rev	Released
1/22/2016	4.00	0

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB Footprint	ManufacturerPN	Manufacturer
	2	C1 C4	0.1uF		16V	±10%	X7R	C0805	C0805X7R160-104K	Venkel
	1	C10	4.7uF		10V	±20%	X7R	C1206	C1206X7R100-475M	Venkel
	5	C11 C16 C22 C23 C29	1uF		10V	±10%	X5R	C0402	GRM155R61A105KE15J	MuRata
	2	C14 C28	10uF		25V	±20%	TANT	C6032	T491C106M025ZT	Kemet
	5	C17 C18 C19 C20	2pF		50V	±0.25pF	C0G	C0402	GRM1555C1H2R0CA01D	MuRata
	2	C2 C3	1.0uF		6.3V	±10%	X5R	C0402 C0402L	C0402X5R6R3-105K	Venkel
	1	C24	0.1uF		16V	±20%	X7R	C0402	C0402X7R160-104M	Venkel
	1	C26	0.01uF		25V	±10%	X7R	C0402	C0402X7R250-103K	Venkel
	1	C27	4.7uF		10V	±10%	X5R	C0603	C0603X5R100-475K	Venkel
	2	C5 C6	1uF		10V	±10%	X7R	C0603	C0603X7R100-105K	Venkel
	1	C7	10uF		6.3V	±20%	X5R	C0603 C0603L	C0603X5R6R3-106M	Venkel
	1	C8	0.01uF		10V	±20%	X7R	C0402	C0402X7R100-103M	Venkel
	4	C9 C12 C13 C15	0.1uF		10V	±10%	X7R	C0402 C0402L	C0402X7R100-104K	Venkel
	3	D1 D2 D4	Blue	20mA	3.4V		SMT, ChipLED	LED-HSMX-C170	HSMR-C170	Avago Technologies
	1	D3	SP0503BAHT	300mW	20V		TVS	SOT143-AKKK SOT143	SP0503BAHTG	Littlefuse
	1	FB1	22 Ohm	6000mA			SMT	L0805	BLM21PG220SN1	MuRata
	1	J1	USB TYPE A				USB	USB_A_RA_SMT	48037-1000	Molex
	6	J2 J3 J4 J5 J6 J7	Turret				Turret	TP[12594]	2551-2-00-44-00-00-07-0	Mill-Max
	1	J8	SMA				SMA	CONN-SMA-ST	142-0701-201	Johnson Components
	5	JP1 JP2 JP3 JP4	Header 1x2 TH				Header	CONN1X2	TSW-102-07-G-S	Samtec
	2	JS1 JS2	Jumper Shunt				Shunt	N/A SHUNT	SNT-100-BK-T	Samtec
	2	M1 M2	VT6J1T2CR	±100mA	-20V		Dual P-CHNL	VMT6N1.2P0.4	VT6J1T2CR	Rohm Semiconductor
	1	PCB1	SI5121x-EVB REV 1.0				BARE PCB	N/A	SI5121x-EVB REV 1.0	SiLabs
	2	R1 R4	100	1/16W		±1%	ThickFilm	R0402	CR0402-16W-1000F	Venkel
	2	R11 R12	2.49K	1/16W		±1%	ThickFilm	R0402	CR0402-16W-2491F	Venkel
	5	R2 R3 R5 R6 R21	10K	1/16W		±5%	ThickFilm	R0402	CR0402-16W-103J	Venkel
	1	R22	100K	1/16W		±5%	ThickFilm	R0402	CR0402-16W-104J	Venkel
	1	R23	22.6k	1/16W		±1%	ThickFilm	R0402	CR0402-16W-2262F	Venkel
	1	R24	7.15K	1/16W		±1%	ThickFilm	R0402	CR0402-16W-7151F	Venkel
	5	R25 R26 R29 R30 R31	1K	1/16W		±5%	ThickFilm	R0402	CR0402-16W-102J	Venkel
	2	R27 R50	8.06K	1/16W		±0.1%	±25PPM	R0402	TFCR0402-16W-E-8061B	Venkel
	1	R28	100	1/10W		±1%	ThickFilm	R0805	CR0805-10W-1000F	Venkel
	2	R46 R49	10K	1/10W		±1%	ThickFilm	R0805	CR0805-10W-1002F	Venkel
	2	R47 R53	1.0	1/10W		±1%	ThickFilm	R0603	CR0603-10W-1R00F	Venkel
	1	R48	100K	1/16W		±5%	ThickFilm	R0402 R0402L	MCR01MRTJ104	Rohm
	1	R51	11.5K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-1152F	Venkel
	1	R52	5.36K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-5361F	Venkel
	2	R54 R55	10K	1/10W		±5%	ThickFilm	R0603	CR0603-10W-103J	Venkel
	1	R56	1.0	1/16W		±1%	ThickFilm	R0402	CR0402-16W-1R00F	Venkel

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	1	R57	4.42K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-4421F	Venkel
	1	R58	9.53K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-9531F	Venkel
	1	R59	5.90K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-5901F	Venkel
	17	R8 R13 R14 R15 R16 R17 R18 R19 R20 R32 R34 R37 R39 R41 R42 R44 R45	0	1A			ThickFilm	R0402 R0402L	CR0402-16W-000	Venkel
	1	TP1	RED				Loop	TESTPOINT	151-207-RC	Kobiconn
	1	TP2	BLACK				Loop	TESTPOINT	151-203-RC	Kobiconn
	1	U1	SI51211				Timing	DFN8M1.4X1.6P0.4	SI51211-A01AFM	SiLabs
	2	U2 U7	MAX8869	1A			LDO	TSSOP16N6.5P0.65E	MAX8869EUE50	Maxim
	1	U3	C8051F380				MCU	QFP48N9X9P0.5	C8051F380-GQ	SiLabs
	1	U4	DS2411					SOJ6N4.45P1.27	DS2411P+	Maxim
	1	U5	25MHz				FA-238	XTAL4N3.2X2.5-FA238	FA-238 25.0000MB	Epson
	1	U6	SI514		3.3V	±30PPM		OSC6N3.2X5P1.27	514MCA000776BAG	SiLabs
	1	U8	TPS76201	100mA			LDO	SOT5N2.8P0.95	TPS76201DBV	TI

Not Installed Components

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
NI	1	C25	0.01uF		10V	±20%	X7R	C0402	C0402X7R100-103M	Venkel
NI	1	JP5	Header 1x2 TH				Header	CONN1X2	TSW-102-07-G-S	Samtec
NI	2	JS3 JS4	Jumper Shunt				Shunt	N/A SHUNT	SNT-100-BK-T	Samtec
NI	6	R33 R35 R36 R38	0	1A			ThickFilm	R0402 R0402L	CR0402-16W-000	Venkel
NI	2	R9 R10	0	2A			ThickFilm	R0805	CR0805-10W-000	Venkel
NI	11	TP3 TP4 TP5 TP7 TP8 TP9 TP10 TP11 TP12 TP13 TP14	RED				Loop	TESTPOINT	151-207-RC	Kobiconn
NI	1	TP6	BLUE				Loop	TESTPOINT	151-205-RC	Kobiconn