

Eval Board Name	SI5383-EB
Revision	2.1

CreationDate	Proto Rev	Released
12/8/2016	2.00	0

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
	25	C9 C10 C105 C106 C107 C108 C109	1.0uF		6.3V	±10%	X5R	C0402 C0402L	C0402X5R6R3-105K	Venkel
	8	C11 C16 C18 C24 C26 C32 C34 C38	10uF		6.3V	±20%	X5R	C0603 C0603L	C0603X5R6R3-106M	Venkel
	13	C12 C13 C14 C19 C21 C22 C28 C29 C31 C35 C36 C37 C92	0.1uF		10V	±10%	X7R	C0402 C0402L	C0402X7R100-104K	Venkel
	24	C139 C140 R145 R146 R147 R148 R201 R202 R203 R204 R205 R206 R207 R208 R217 R218 R223 R224 R231 R232 R235 R236 R276 R277	0	1A			ThickFilm	R0402 R0402L	CR0402-16W-000	Venkel
	11	C46 C81 C101	0.1uF		16V	±20%	X7R	C0603	C0603X7R160-104M	Venkel
	18	C41 C42 C47 C49 C52 C68 C69 C72 C76 C77 C78 C85 C87 C89 C125 C129 C133 C137	1uF		16V	±10%	X7R	C0603	C0603X7R160-105K	Venkel
	9	C74 C83 C122	4.7uF		10V	±20%	X7R	C1206	C1206X7R100-475M	Venkel
	9	C84 C88 C123	10uF		25V	±20%	TANT	C6032	T491C106M025ZT	Kemet
	9	C82 C86 C124	0.01uF		16V	±20%	X7R	C0603	C0603X7R160-103M	Venkel
	1	C79	1nF		50V	±5%	C0G	C0603	C0603C0G500-102J	Venkel
	1	C80	33uF		10V	±10%	TANT	C6032	T491C336K010AT	Kemet
	1	D10	SP0503BAHT	300mW	20V		TVS	SOT143-AKKK SOT143	SP0503BAHTG	Littlefuse
	3	D11 D12 D13	Green	20mA	3.4V		SMT, ChipLED	LED-HSMX-C170	HSMQ-C170	Avago Technologies
	5	D5 D7 D8 D18 D19	Blue	20mA	3.4V		SMT, ChipLED	LED-HSMX-C170	HSMR-C170	Avago Technologies
	1	FB1	22 Ohm	6000mA			SMT	L0805	BLM21PG220SN1	MuRata
	26	J15 J16 J25 J26 J29	SMA				SMA	SMA-EDGE-3	142-0701-801	Johnson Components
	1	J20	CONN TRBLK 2	24A			TERM BLK	CONN-TB-1711026	1711026	PHOENIX CONTACT
	1	J21	USB Type B				USB	CONN-USB-B	292304-1	Tyco
	2	J22 J47	5X2 Shrouded Header				Shrouded	CONN2X5-4W	5103309-1	Tyco
	2	J27 JP5	HEADER 1x3				Header	CONN-1X3	TSW-103-07-T-S	Samtec
	1	J48	Header 0.1in-2X3				Header	CONN2X3	TSW-103-01-L-D	Samtec
	8	JP31 JP32 JP33	Header 1x2 TH				Header	CONN1X2	TSW-102-07-G-S	Samtec
	4	MH8	4-40				HDW	MH-125NP MH-125	NSS-4-4-01	Richco Plastic Co
	1	Q1	BSS138	200mA	50V		N-CHNL	SOT23-GSD	BSS138	Diodes Inc.

Eval Board Name	SI5383-EB
Revision	2.1

CreationDate	Proto Rev	Released
12/8/2016	2.00	0

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
	12	R102 R103 R108 R114 R122 R123 R133 R140 R169 R242 R249 R256	10K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-1002F	Venkel
	8	R105 R106 R116 R119 R134 R243 R250 R257	1.0	1/10W		±1%	ThickFilm	R0603	CR0603-10W-1R00F	Venkel
	7	R107 R109 R125 R136 R238 R245 R252	4.42K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-4421F	Venkel
	7	R137 R240 R247	9.53K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-9531F	Venkel
	8	R138 R142 R239	5.90K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-5901F	Venkel
	2	R117 R121	8.06	1/2W		±0.1%	±50PPM	R2010	TFCR2010-2W-C-8R06B	Venkel
	1	R128	11.5K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-1152F	Venkel
	1	R129	8.06K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-8061F	Venkel
	1	R130	5.36K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-5361F	Venkel
	1	R135	3.01	1/2W		±0.1%	±50PPM	R2010	TFCR2010-2W-C-3R01B	Venkel
	22	R159 R160 R161	0	1A			ThickFilm	R0603 R0603L	CR0603-16W-000	Venkel
	9	R18 R19 R26 R27 R34 R36 R41 R144 R149	49.9	1/16W		±1%	ThickFilm	R0402 R0402L	CR0402-16W-49R9F	Venkel
	2	R219 R220	4.7K	1/16W		±1%	ThickFilm	R0402 R0402L	CR0402-16W-4701F	Venkel
	2	R227 R228	22	1/16W		±1%	ThickFilm	R0402	CR0402-16W-22R0F	Venkel
	4	R268 R269 R270 R271	4.99K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-4991F	Venkel
	2	R273 R274	22	1/16W		±1%	ThickFilm	R0603	CR0603-16W-22R0F	Venkel
	4	R3 R4 R5 R12	0	2A			ThickFilm	R0805	CR0805-10W-000	Venkel
	1	R48	100	1/10W		±1%	ThickFilm	R0603 R0603L	CR0603-10W-1000F	Venkel
	7	R65 R71 R73 R74 R260 R262 R265	1K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-1001F	Venkel
	12	R66 R67 R101 R104 R120 R124 R132 R139 R237 R244 R251 R275	10.0K	1/10W		±0.1%	±25PPM	R0603	ERA-3AEB103V	Panasonic
	1	R68	17.4K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-1742F	Venkel
	18	R7 R8 R9 R10 R15 R16 R17 R51 R52 R53 R54 R55 R69 R72 R115 R171 R173 R261	2.49K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-2491F	Venkel
	7	R131 R241 R248	30.1	1/4W		±0.1%	±25PPM	R1206	TFCR1206-4W-E-30R1B	Venkel

Eval Board Name	SI5383-EB
Revision	2.1

CreationDate	Proto Rev	Released
12/8/2016	2.00	0

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB Footprint	ManufacturerPN	Manufacturer
	1	S1	SW PUSHBUTTON	50mA	12Vdc		Tactile	SW4N6.5X4.5-PB	101-0161-EV	Mountain Switch
	4	SO1 SO2 SO3 SO4	STANDOFF				HDW		1902D	Keystone Electronics
	1	U1	SI5383				Timing	QFN56M8X8P0.5E5.0	SI5383A-D06791-GM	SiLabs
	1	U11	MAX8869	1A			LDO	TSSOP16N6.5P0.65E	MAX8869EUE50	Maxim
	2	U13 U26	PCA9535CPW				I2C	TSSOP24N6.4P0.65	PCA9535CPW	NXP
	1	U15	TPS79501	500mA			LDO	DFN8N3.0P0.65E2.4X1.65	TPS79501DRBT	TI
	4	U19 U20 U21 U22	ADG728		2.7-5.5V			TSSOP16N6.4P0.65	ADG728BRUZ	Analog Devices
	1	U2	PCA9517D				I2C	SO8N6.0P1.27	PCA9517D	NXP
	1	U3	C8051F380				MCU	QFP48N9X9P0.5	C8051F380-GQ	SiLabs
	1	U4	DS2411					SOJ6N4.45P1.27	DS2411P+	Maxim
	1	U5	AD8628		5V		OPAMP	SOT23-5N	AD8628AUJ-R2	Analog Devices
	8	U8 U9 U10 U12 U14 U23 U24 U25	TPS76201	100mA			LDO	SOT5N2.8P0.95	TPS76201DBV	TI
	1	Y1	48MHz Crystal				Quartz	XTAL4N3.2X2.5-7M48072002	7M48072002	TXC

Not Installed Components

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB Footprint	ManufacturerPN	Manufacturer
NI	2	C93 C94	0.1uF		10V	±10%	X7R	C0402 C0402L	C0402X7R100-104K	Venkel
NI	2	C95 C96	1nF		50V	±5%	COG	C0402	C0402C0G500-102J	Venkel
NI	4	D2 D3 D4 D6	Blue	20mA	3.4V		SMT, ChipLED	LED-HSMX-C170	HSMR-C170	Avago Technologies
NI	1	D9	RED	25mA	1.9V		SMT, ChipLED	LED-HSMX-C170	HSMC-C170	Avago Technologies
NI	9	JP14 JP15 JP18 JP19 JP22 JP23 JP25 JP27 JP29	Header 1x2 TH				Header	CONN1X2	TSW-102-07-G-S	Samtec
NI	8	JP16 JP17 JP20 JP21 JP24 JP26 JP28 JP30	HEADER 1x3				Header	CONN-1X3	TSW-103-07-T-S	Samtec
NI	4	R143 R150 R151 R152	0	1A			ThickFilm	R0402 R0402L	CR0402-16W-000	Venkel
NI	9	R179 R180 R184 R185 R186 R187 R189 R190 R272	0	1A			ThickFilm	R0603 R0603L	CR0603-16W-000	Venkel
NI	14	R193 R194 R195 R196 R197 R198 R199 R200 R221 R222 R225 R226 R229 R230	10K	1/16W		±1%	ThickFilm	R0402 R0402L	CR0402-16W-1002F	Venkel
NI	1	R40	49.9	1/16W		±1%	ThickFilm	R0402 R0402L	CR0402-16W-49R9F	Venkel
NI	5	R6 R13 R14 R170 R172	0	2A			ThickFilm	R0805	CR0805-10W-000	Venkel

Eval Board Name	SI5383-EB
Revision	2.1

CreationDate	Proto Rev	Released
12/8/2016	2.00	0

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB Footprint	ManufacturerPN	Manufacturer
NI	1	R64	2.49K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-2491F	Venkel
NI	2	TP1 TP2	BLUE				Loop	TESTPOINT	151-205-RC	Kobiconn
NI	13	TP3 TP4 TP5 TP6 TP7 TP8 TP9 TP10 TP11 TP12 TP13 TP14 TP15	RED				Loop	TESTPOINT	151-207-RC	Kobiconn