Eval Board Name	SI5381E-E-EB
Revision	1.1

CreationDate	Proto Rev	Released
7/28/2017	1.00	0

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
	8	C1 C5 C6 C10 C11 C15 C16 C20	10uF		6.3V	±20%	X5R	C0603|C0603L	C0603X5R6R3-106M	Venkel
	46	C2 C3 C4 C7 C8 C9 C12 C13 C14 C17	0.1uF		10V	±10%	X7R	C0402|C0402L	C0402X7R100-104K	Venkel
	12	C69 C70 C71 C72 C73 C74 C75 C76 C78 C79 C82 C83	1.0uF		6.3V	±10%	X5R	C0402|C0402L	C0402X5R6R3-105K	Venkel
	12	C84 C88 C117 C121 C125 C129 C133 C137 C141 C145 C149 C153	0.01uF		16V	±20%	X7R	C0603	C0603X7R160-103M	Venkel
	13	C85 C89 C100	4.7uF		10V	±20%	X7R	C1206	C1206X7R100-475M	Venkel
	12	C86 C104 C119 C123 C127 C131 C135 C139 C143 C147 C151 C155	10uF		25V	±20%	TANT	C6032	T491C106M025ZT	Kemet
	19	C87 C90 C94 C96 C101 C105 C120 C124 C128 C132 C136 C140 C144 C148 C152 C156 C157 C158 C163	1uF		16V	±20%	X7R	C0805	C0805X7R160-105M	Venkel
	13	C91 C92 C93 C95 C97 C102 C103 C106 C107 C108 C109 C115 C116	0.1uF		16V	±10%	X7R	C0805	C0805X7R160-104K	Venkel
	4	D11 D22 D26 D27	Blue	20mA	3.4V		SMT, ChipLED	LED-HSMX-C170	HSMR-C170	Avago Technologies
	2	D21 D24	Green	20mA	3.4V		SMT, ChipLED	LED-HSMX-C170	HSMQ-C170	Avago Technologies
	1	D25	RED	25mA	1.9V		SMT, ChipLED	LED-HSMX-C170	HSMC-C170	Avago Technologies
	1	D28	SP0503BAHT	300mW	20V		TVS	SOT143-AKKK|SOT143	SP0503BAHTG	Littlefuse
	1	FB2	22 Ohm	6000mA			SMT	L0805	BLM21PG220SN1	MuRata
	32	J1 J2 J3 J4 J5 J6 J7 J8 J9 J10 J11 J12 J13 J14 J15 J16 J19 J20 J21 J22 J23 J24 J27 J28 J29 J30 J41 J42 J43 J44 J45 J46	SMA				SMA	SMA-EDGE-3	142-0701-801	Johnson Components

Eval Board Name	SI5381E-E-EB
Revision	1.1

CreationDate	Proto Rev	Released
7/28/2017	1.00	0

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
	2	J33 J34	CONN TRBLK 2	24A			TERM BLK	CONN-TB-1711026	1711026	PHOENIX CONTACT
	1	J36	HEADER 5x2				Header	CONN2X5	TSW-105-07-T-D	Samtec
	1	J37	USB Type B				USB	CONN-USB-B	292304-1	Tyco
	1	J38	5X2 Shrouded Header				Shrouded	CONN2X5-4W	5103309-1	Tyco
	2	JP15 JP16	HEADER 1x3				Header	CONN-1X3	TSW-103-07-T-S	Samtec
	7	JP4 JP5 JP6 JP7	Header 1x2 TH				Header	CONN1X2	TSW-102-07-G-S	Samtec
	14	JS4 JS5 JS6 JS7 JS8	Jumper Shunt				Shunt	SHUNT	SNT-100-BK-T	Samtec
	1	L1	30 Ohm	1000mA			SMT	L0603	BLM18PG300SN1	MuRata
	1	LB1	SI5381E-E-EB				POLYIMIDE, WHITE	PTL-14-477	LABEL-SI5381E-E-EB	Silabs
	4	MH1 MH2 MH3 MH4	4-40				HDW	MH-125NP|MH-125	NSS-4-4-01	Richco Plastic Co
	1	PCB1	Si5381-EB-INT REV 1.0				BARE PCB	N/A	Si5381-EB-INT REV 1.0	SiLabs
	1	R153	1.0	1/4W		±1%	ThickFilm	R1206	CR1206-4W-1R00F	Venkel
	24	R154 R155 R158 R159 R211 R212 R218 R219 R225 R226 R232 R233 R239 R240 R246 R247 R253 R254 R260 R261 R267 R268 R274 R275	10K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-1002F	Venkel
	12	R156 R161 R213	1.0	1/10W		±1%	ThickFilm	R0603	CR0603-10W-1R00F	Venkel
	1	R157	6.04K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-6041F	Venkel
	3	R162 R163 R164	2.49K	1/10W		±1%	ThickFilm	R0805	CR0805-10W-2491F	Venkel
	4	R165 R166 R280 R283	10K	1/10W		±1%	ThickFilm	R0805	CR0805-10W-1002F	Venkel
	2	R172 R174	0.050	2W		±100PPM, ±1%	ThickFilm	R2512	LRC-LR2512LF-01-R050F	TT Electronics
	1	R175	0	2A			ThickFilm	R1206	CR1206-4W-000	Venkel
	2	R176 R204	17.4K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-1742F	Venkel
	1	R177	100	1/10W		±1%	ThickFilm	R0805	CR0805-10W-1000F	Venkel
	4	R178 R185 R186 R193	1K	1/10W		±1%	ThickFilm	R0805	CR0805-10W-1001F	Venkel
	9	R20 R21 R22 R23	2.49K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-2491F	Venkel
	3	R205 R206 R207	5.9K	1/10W		±1%	ThickFilm	R0603	CR0603-10W-5901F	Venkel
	2	R209 R285	8.06K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-8061F	Venkel
	10	R210 R217 R224 R231 R238 R245 R252 R259 R266 R273	30.1	1/4W		±1%	ThickFilm	R1206	CR1206-4W-30R1F	Venkel
	10	R214 R221 R228 R235 R242 R249 R256 R263 R270 R277	4.42K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-4421F	Venkel

Eval Board Name	SI5381E-E-EB
Revision	1.1

CreationDate	Proto Rev	Released
7/28/2017	1.00	0

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
	10	R215 R222 R229 R236 R243 R250 R257 R264 R271 R278	9.53K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-9531F	Venkel
	10	R216 R223 R230 R237 R244 R251 R258 R265 R272 R279	5.90K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-5901F	Venkel
	1	R281	1	2W		±100PPM, ±1%	ThickFilm	R2512	LRC-LR2512LF-01-1R00-F	TT Electronics
	1	R282	100K	1/8W		±1%	ThickFilm	R0805	CR0805-8W-1003F	Venkel
	1	R286	11.5K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-1152F	Venkel
	1	R287	5.36K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-5361F	Venkel
	3	R288 R289 R318	10.0K	1/10W		±0.1%	±25PPM	R0603	ERA-3AEB103V	Panasonic
	30	R4 R28 R30 R31 R32 R33 R35 R36 R38 R39 R40 R41 R42 R43 R46 R47 R48 R64 R65 R67 R69 R71 R179 R188 R189 R190 R191 R192 R300 R326	0	1A			ThickFilm	R0603|R0603L	CR0603-16W-000	Venkel
	8	R76 R77 R78 R79 R80 R81 R84 R85	49.9	1/16W		±1%	ThickFilm	R0402|R0402L	CR0402-16W-49R9F	Venkel
	6	R8 R9 R10 R11 R12 R13	0	2A			ThickFilm	R0805	CR0805-10W-000	Venkel
	27	R88 R90 R92 R94	0	1A			ThickFilm	R0402|R0402L	CR0402-16W-000	Venkel
	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	Si5381				Timing	QFN64M9X9P0.5E5.3	Si5381E-E-GM	SiLabs
	1	U11	MC74VHC1G05		2.0V to 5.5V		Inverter	SOT5N2.8P0.95	MC74VHC1G05DTT1G	ON Semiconductor
	1	U2	MIC5235	150mA			LDO	SOT5N2.8P0.95	MIC5235YM5	Micrel
	1	U22	MAX8869	1A			LDO	TSSOP16N6.5P0.65E	MAX8869EUE50	Maxim
	4	U23 U24 U26 U27	ADG728		2.7-5.5V			TSSOP16N6.4P0.65	ADG728BRUZ	Analog Devices
	1	U25	AD8628		5V		OPAMP	SOT23-5N	AD8628AUJ-R2	Analog Devices
	11	U3 U12 U13 U14 U15 U16 U17 U18 U19 U20 U21	TPS76201	100mA			LDO	SOT5N2.8P0.95	TPS76201DBV	TI
	1	U4	LTC4311		5.5V			SC70-6N2.1P0.65	LTC4311CSC6#TRMPBF	Linear Technology

Eval Board Name	SI5381E-E-EB
Revision	1.1

CreationDate	Proto Rev	Released
7/28/2017	1.00	0

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
	1	U5	PCA9517D				I2C	SO8N6.0P1.27	PCA9517D	NXP
	1	U6	C8051F380				MCU	QFP48N9X9P0.5	CF380P0997AGQ	SiLabs
	3	U7 U9 U10	PCA9535CPW				I2C	TSSOP24N6.4P0.65	PCA9535CPW	NXP
	1	U8	DS2411					SOJ6N4.45P1.27	DS2411P+	Maxim

Not Installed Components

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
NI	1	C159	0.01uF		100V	±10%	X7R	C0805	C0805X7R101-103K	Venkel
NI	24	C22 C24 C26 C28 C30 C32 C34 C36 C42 C44 C46 C48 C50 C52 C58 C60 C62 C64 C167 C169 C171 C173 C175 C177	0.01uF		50V	±10%	X7R	C0402|C0402L	GRM155R71H103KA88D	MuRata
NI	1	C98	1uF		16V	±20%	X7R	C0805	C0805X7R160-105M	Venkel
NI	17	D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D12 D13 D14 D15 D18 D23 D29	Blue	20mA	3.4V		SMT, ChipLED	LED-HSMX-C170	HSMR-C170	Avago Technologies
NI	1	D17	SP0503BAHT	300mW	20V		TVS	SOT143-AKKK|SOT143	SP0503BAHTG	Littlefuse
NI	1	FB1	22 Ohm	6000mA			SMT	L0805	BLM21PG220SN1	MuRata
NI	1	J35	USB Type B				USB	CONN-USB-B	292304-1	Tyco
NI	2	J47 J48	SMA				SMA	SMA-EDGE-3	142-0701-801	Johnson Components
NI	18	JP1 JP2 JP3 JP10 JP13 JP17 JP19 JP21 JP23 JP25 JP27 JP29 JP31 JP33 JP35 JP39 JP40 JP41	Header 1x2 TH				Header	CONN1X2	TSW-102-07-G-S	Samtec
NI	11	JP18 JP20 JP22 JP24 JP26 JP28 JP30 JP32 JP34 JP36 JP38	HEADER 1x3				Header	CONN-1X3	TSW-103-07-T-S	Samtec

Eval Board Name	SI5381E-E-EB
Revision	1.1

CreationDate	Proto Rev	Released
7/28/2017	1.00	0

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
NI	29	JS1 JS2 JS3 JS10 JS13 JS17 JS18 JS19 JS20 JS21 JS22 JS23 JS24 JS25 JS26 JS27 JS28 JS29 JS30 JS31 JS32 JS33 JS34 JS35 JS36 JS38 JS39 JS40 JS41	Jumper Shunt				Shunt	SHUNT	SNT-100-BK-T	Samtec
NI	11	R124 R127 R130 R133 R305 R308 R311 R314 R317 R319 R320	0	1A			ThickFilm	R0402|R0402L	CR0402-16W-000	Venkel
NI	9	R17 R18 R19 R26 R59 R60 R61 R62 R325	2.49K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-2491F	Venkel
NI	1	R171	0	2A			ThickFilm	R1206	CR1206-4W-000	Venkel
NI	1	R173	17.4K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-1742F	Venkel
NI	22	R2 R49 R66 R75 R167 R168 R169 R170 R180 R181 R182 R183 R184 R187 R291 R292 R294 R298 R321 R322 R323 R327	0	1A			ThickFilm	R0603|R0603L	CR0603-16W-000	Venkel
NI	2	R328 R329	1K	1/10W		±1%	ThickFilm	R0805	CR0805-10W-1001F	Venkel
NI	10	R5 R6 R7 R14 R52 R53 R54 R55 R56 R324	0	2A			ThickFilm	R0805	CR0805-10W-000	Venkel
NI	24	R89 R91 R93 R95 R97 R99 R101 R103 R109 R111 R113 R115 R117 R119 R126 R129 R132 R135 R302 R304 R307 R310 R313 R316	10K	1/16W		±1%	ThickFilm	R0402|R0402L	CR0402-16W-1002F	Venkel
NI	12	TP1 TP2 TP13 TP14 TP15 TP16 TP17 TP18 TP19 TP20 TP21 TP22	RED				LOOP	TESTPOINT	5000	Keystone
NI	3	TP3 TP4 TP12	BLUE				Loop	TESTPOINT	151-205-RC	Kobiconn

Eval Board Name	SI5381E-E-EB
Revision	1.1

CreationDate	Proto Rev	Released
7/28/2017	1.00	0

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
NI	7	TP5 TP7 TP9 TP10 TP11 TP23 TP24	RED				Loop	TESTPOINT	151-207-RC	Kobiconn
NI	2	TP6 TP8	BLACK				Loop	TESTPOINT	151-203-RC	Kobiconn