

Eval Board Name	SI5332-AM1 32-PIN QFN CUSTOMER EVB
Revision	1.0

CreationDate	Proto Rev	Released
8/6/2019	3.00	0

End product must be RoHS compliant

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
	19	C1 C6 C7 C8 C58 C61 C62 C65 C66 C69 C70 C73 C74 C77 C78 C81 C93 C94 C96	0.1uF		10V	±10%	X7R	C0402 C0402L	C0402X7R100-104K	Venkel
	9	C10 C12 C14 C16 C18 C20 C22 C24 C26	1uF		10V	±10%	X7R	C0603 C0603L	GRM188R71A105KA61D	MuRata
	8	C27 C30 C35 C39 C43 C46 C51 C55	0.01uF		16V	±20%	X7R	C0603	C0603X7R160-103M	Venkel
	9	C28 C31 C36 C38 C44 C47 C52 C56 C85	4.7uF		10V	±20%	X7R	C1206	C1206X7R100-475M	Venkel
	8	C29 C32 C37 C40 C45 C48 C53 C91	10uF		25V	±20%	TANT	C6032	T491C106M025ZT	Kemet
	12	C33 C34 C41 C42 C49 C50 C54 C57 C86 C88 C92 C95	1uF		16V	±20%	X7R	C0805	C0805X7R160-105M	Venkel
	10	C4 C9 C11 C13 C15 C17 C19 C21 C23 C25	0.1uF		10V	±10%	X7R	C0402 C0402L	GRM155R71A104KA01D	MuRata
	10	C82 C83 C87 C89 C90 C97 C98 C99 C100 C101	0.1uF		16V	±10%	X7R	C0805	C0805X7R160-104K	Venkel
	1	C84	0.1uF		16V	±20%	X7R	C0603	C0603X7R160-104M	Venkel
	1	D1	SP0503BAHT	300mW	20V		TVS	SOT143-AKKK SOT143	SP0503BAHTG	Littlefuse
	1	D2	Blue	20mA	3.4V		SMT, ChipLED	LED-HSMX-C170	HSMR-C170	Avago Technologies
	2	D3 D4	Green	20mA	3.4V		SMT, ChipLED	LED-HSMX-C170	HSMQ-C170	Avago Technologies
	1	FB1	22 Ohm	6000mA			SMT	L0805	BLM21PG220SN1	MuRata
	15	J1 J2 J3 J4 J5 J6 J7 J8 J9 J10 J11 J12 J13 J14 J15	SMA				SMA	SMA-EDGE-3	142-0701-801	Johnson Components
	1	J16	CONN TRBLK 2	24A			TERM BLK	CONN-TB-1711026	1711026	PHOENIX CONTACT
	1	J17	Header 1x3				Header	CONN-1X3	TSW-103-07-G-S	Samtec
	1	J18	USB Type B				USB	CONN-USB-B	61729-0010BLF	FCI
	1	J19	5X2 Shrouded Header				Shrouded	CONN2X5-4W	5103309-1	Tyco
	1	JP1	HEADER 1x3				Header	CONN-1X3	TSW-103-07-T-S	Samtec
	1	JP2	Header 1x2 TH				Header	CONN1X2	TSW-102-07-G-S	Samtec
	1	JS1	Jumper Shunt				Shunt	N/A SHUNT	SNT-100-BK-T	Samtec

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	1	R1	2.32K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-2321F	Venkel
	2	R101 R118	4.7K	1/10W		±1%	ThickFilm	R0603	CR0603-10W-4701F	Venkel
	1	R103	0.050	2W		±100PPM, ±1%	ThickFilm	R2512	LRC-LR2512LF-01-R050F	TT Electronics
	1	R104	0	2A			ThickFilm	R1206	CR1206-4W-000	Venkel
	1	R106	100	1/10W		±1%	ThickFilm	R0805	CR0805-10W-1000F	Venkel
	16	R11 R12 R14 R15 R29 R30 R31 R32 R47 R49 R50 R51 R63 R64 R69 R70	10K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-1002F	Venkel
	2	R112 R115	10K	1/16W		±1%	ThickFilm	R0402 R0402L	CR0402-16W-1002F	Venkel
	2	R113 R114	10.0K	1/10W		±0.1%	±25PPM	R0603	ERA-3AEB103V	Panasonic
	2	R119 R120	10K	1/10W		±1%	ThickFilm	R0805	CR0805-10W-1002F	Venkel
	5	R124 R125 R126 R127 R128	4.7K	1/16W		±1%	ThickFilm	R0402 R0402L	CR0402-16W-4701F	Venkel
	10	R129 R130 R131 R132 R133 R134 R135 R136 R137 R138	100	1/16W		±1%	ThickFilm	R0402	CR0402-16W-1000F	Venkel
	8	R13 R16 R33 R34 R48 R52 R65 R72	1.0	1/10W		±1%	ThickFilm	R0603	CR0603-10W-1R00F	Venkel
	6	R17 R21 R35 R39 R53 R57	3.74K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-3741F	Venkel
	6	R18 R22 R36 R40 R54 R58	6.65K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-6651F	Venkel
	6	R19 R23 R37 R41 R55 R59	21.5K	1/10W		±1%	ThickFilm	R0603	CR0603-10W-2152F	Venkel
	15	R2 R3 R73 R76 R77 R80 R81 R84 R85 R88 R89 R92 R93 R96 R121	0	1A			ThickFilm	R0402 R0402L	CR0402-16W-000	Venkel
	7	R20 R24 R38 R42 R56 R60 R105	8.06K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-8061F	Venkel
	1	R4	1K	1/16W		±5%	ThickFilm	R0402 R0402L	CR0402-16W-102J	Venkel
	2	R5 R6	49.9	1/16W		±1%	ThickFilm	R0402 R0402L	CR0402-16W-49R9F	Venkel
	1	R66	4.42K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-4421F	Venkel
	1	R67	9.53K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-9531F	Venkel
	3	R68 R107 R108	5.90K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-5901F	Venkel
	7	R7 R8 R25 R26 R43 R44 R61	0	1A			ThickFilm	R0603 R0603L	CR0603-16W-000	Venkel

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	1	R71	2.49K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-2491F	Venkel
	7	R9 R10 R27 R28 R45 R46 R62	4.99	1/4W		±1%	ThickFilm	R1206	CR1206-4W-4R99F	Venkel
	10	R97 R98 R99 R100 R102 R109 R110 R111 R116 R117	1K	1/10W		±1%	ThickFilm	R0805	CR0805-10W-1001F	Venkel
	1	S1	MOMENTARY				Tactile	SW4N6.5X4.5-PB	EVQ-PAD04M	PANASONIC CORP
	7	SW1 SW2 SW3 SW4 SW5 SW6 SW7	SW4-DIP-SMT	0.025A	24V		DIP	SW4-DIP-SMT	SDA04H0SB	C&K Components
	1	SW8	SW DIP-8	0.025A	24V		DIP	SW8-J-DIP-SMT	TDA08H0JB1	C&K Components
	5	TP15 TP16 TP17 TP18 TP19	BLUE				Loop	TESTPOINT	151-205-RC	Kobiconn
	1	TP7	RED				LOOP	TESTPOINT	5000	Keystone
	1	U1	Si5332A-D-AM1				Timing	QFN32M5X5P0.5E3.15	Si5332A-D-AM1	SiLabs
	1	U10	DS2431					SOJ6N4.45P1.27	DS2431P+	Maxim
	2	U11 U17	PCA9517D				DO NOT SUB	SO8N6.0P1.27	PCA9517D	NXP
	1	U12	C8051F380				MCU	QFP48N9X9P0.5	C8051F380-GQ	SiLabs
	2	U13 U15	ADG728		2.7-5.5V			TSSOP16N6.4P0.65	ADG728BRUZ	Analog Devices
	1	U14	AD8628		5V		OPAMP	SOT23-5N	AD8628AUJ-R2	Analog Devices
	1	U16	LTC4311		5.5V			SOT6N2.1P0.65	LTC4311CSC6#TRMPBF	Linear Technology
	2	U18 U19	PCA9535CPW				I2C	TSSOP24N6.4P0.65	PCA9535CPW	NXP
	8	U2 U3 U4 U5 U6 U7 U8 U9	TPS76201	100mA			LDO	SOT5N2.8P0.95	TPS76201DBV	TI
	1	Y1	25MHz				FA-238	XTAL4N3.2X2.5-FA238	FA-238 25.0000MB-K	Epson

Not Installed Components

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
NI	1	C2	0.1uF		10V	±10%	X7R	C0402 C0402L	GRM155R71A104KA01D	MuRata
NI	2	C3 C5	10pF		50V	±2%	C0G	C0402 C0402L	GRM1555C1H100GA01D	MuRata
NI	12	C59 C60 C63 C64 C67 C68 C71 C72 C75 C76 C79 C80	2pF		50V	±0.1pF	C0G	C0402 C0402L	GRM1555C1H2R0BA01D	MuRata
NI	1	JP3	Header 1x2 TH				Header	CONN1X2	TSW-102-07-G-S	Samtec
NI	12	R74 R75 R78 R79 R82 R83 R86 R87 R90 R91 R94 R95	49.9	1/16W		±1%	ThickFilm	R0402 R0402L	CR0402-16W-49R9F	Venkel
NI	7	TP1 TP2 TP3 TP4 TP5 TP6 TP8	RED				LOOP	TESTPOINT	5000	Keystone
NI	3	TP10 TP12 TP13	BLUE				Loop	TESTPOINT	151-205-RC	Kobiconn
NI	1	TP11	BLACK				Loop	TESTPOINT	151-203-RC	Kobiconn

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NI	1	TP9	RED				Loop	TESTPOINT	151-207-RC	Kobiconn