

Eval Board Name	SI34062-ISO-FB-EVB
Revision	2.0

CreationDate	Proto Rev	Released
7/31/2019	4.00	1

End product must be RoHS compliant

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
	1	C1	0.1uF		10V	±10%	X5R	C0805	C0805X5R100-104KNE	Venkel
	4	C14	0.01uF		100V	±10%	X7R	C0805	C0805X7R101-103K	Venkel
	4	C30	1nF		2000V	±5%	X7R	C1206	C1206C102JGRACU	Kemet
	1	C17	2.2nF		50V	±10%	C0G	C0805	C0805C0G500-222K	Venkel
	1	C18	1nF		50V	±1%	C0G	C0805	C0805C0G500-102F	Venkel
	2	C19 C22	470pF		50V	±10%	X7R	C0805	C0805X7R500-471K	Venkel
	2	C2 C23	0.1uF		100V	±10%	X7R	C0805	C0805X7R101-104K	Venkel
	4	C26	100uF		6.3V	±10%	X5R	C1210	C1210X5R6R3-107K	Venkel
	2	C27 C28	0.047uF		16V	±1%	C0G	C0805	C0805C473F4GAC7800	KEMET
	1	C3	2.2uF		25V	±20%	X7R	C0805	C0805X7R250-225M	Venkel
	1	C31	22uF		6.3V	±20%	X5R	C0805	C0805X5R6R3-226M	Venkel
	1	C32	0.47uF		100V	±10%	X7R	C0805	C0805X7R101-474KNE	Venkel
	1	C37	0.1uF		100V	±10%	X7R	C0603	C0603X7R101-104K	Venkel
	1	C4	1uF		16V	±10%	X5R	C0805	GRM21BR61C105KA01L	Murata
	1	C5	33nF		50V	±10%	X7R	C0805	C0805X7R500-333KNE	Venkel
	1	C7	0.22uF		16V	±10%	X7R	C0805	C0805X7R160-224KNE	Venkel
	1	C8	12uF		100V	±20%	Alum_Elec	C2.5X6.3MM-RAD	EEUFC2A120	Panasonic
	2	C9 C10	1uF		100V	±10%	X7R	C1210	C1210X7R101-105K	Venkel
	5	D15	1N4148W	300mA	100V		Single	SOD-123	1N4148W-7-F	Diodes Inc.
	1	D16	RS1B	1.0A	100V		Single	DO-214AC	RS1B	Fairchild
	1	D18	SMAJ58A	400W	58V		GP	DO-214AC	SMAJ58A	Littelfuse
	1	D2	GREEN	30mA	2.2V		SMT	LED-0805-K	LTST-C170GKT	LITE_ON INC
	9	D9 D10 D11 D17	SS210	2.0A	100V		Single	DO-214AA	SS210	Taiwan Semi
	4	FB8	742792040	2000mA	700 Ohm @150MHz		SMT	L0805	742792040	Wurth
	2	J1 J2	RJ-45				Receptacle	CONN-RJ45-5520252	5520252-4	TE Connectivity AMP Connectors
	3	J3 J4 J5	BND_POST	15A			BANANA	BANANA-JACK	101	ABBATRON HH SMITH
	1	J8	Power Jack	1A			BARREL	CONN-3-PWR	ADC-002-1	Adam Tech
	1	LB1	LABEL-Si34062-ISO-FB-EVB R2.0				POLYIMIDE, WHITE	PTL-14-477	LABEL-Si34062-ISO-FB-EVB R2.0	Skyworks
	4	MH4	4-40				SCREW	MH-125 MH-125NP	NSS-4-4-01	Richco Plastic Co
	1	PCB1	Si34062-ISO-FB-EVB REV 2.0				BARE PCB	N/A	Si34062-ISO-FB-EVB REV 2.0	Skyworks
	2	Q1 Q3	FDN537N	6.5A	30V		N-CHNL	SOT23-GSD	FDN537N	Fairchild
	2	Q2 Q4	MMBT3906-7-F	200mA	40V		PNP	SOT23-BEC	MMBT3906-7-F	Diodes Inc.
	1	Q5	DMN10H170SVTQ	2.6A	100V		NFET	SOT6N2.8P0.95_TSOT26	DMN10H170SVTQ	Diodes Incorporated
	1	R1	24.9K	1/10W		±1%	ThickFilm	R0805	CR0805-10W-2492FT	Venkel
	5	R47 R48	0	2A			ThickFilm	R0805	CR0805-10W-000	Venkel
	1	R12	14.7K	1/10W		±1%	ThickFilm	R0805	CR0805-10W-1472F	Venkel
	1	R13	24.3K	1/10W		±1%	ThickFilm	R0805	CR0805-10W-2432F	Venkel
	3	R14 R17 R18	10K	1/8W		±1%	ThickFilm	R0805	CR0805-8W-1002F	Venkel
	1	R2	88.7K	1/8W		±1%	ThickFilm	R0805	CRCW080588K7FKEA	Vishay
	5	R31 R44	3	1/8W		±1%	ThickFilm	R0805	CR0805-8W-3R00FT	Venkel
	3	R29 R32 R43	4.7K	1/8W		±5%	ThickFilm	R0805	CR0805-8W-472J	Venkel

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	9	R22 R23 R24	75	1/10W		±1%	ThickFilm	R0805	CR0805-10W-75R0F	Venkel
	1	R33	47K	1/10W		±5%	ThickFilm	R0805	CR0805-10W-473J	Venkel
	1	R38	27	1/10W		±1%	ThickFilm	R0805	CR0805-10W-27R0F	Venkel
	1	R39	750	1/8W		±1%	ThickFilm	R0805	CR0805-8W-7500FT	Venkel
	1	R4	20.0	1/8W		±1%	ThickFilm	R0805	CR0805-8W-20R0F	Venkel
	1	R40	10K	1/4W		±5%	ThickFilm	R1206	CR1206-4W-103J	Venkel
	1	R41	56.2K	1/8W		±1%	ThickFilm	R0805	CR0805-8W-5622FT	Venkel
	1	R42	220K	1/8W		±1%	ThickFilm	R0805	CR0805-8W-2203FT	Venkel
	5	R16	1K	1/10W		±1%	ThickFilm	R0805	CR0805-10W-1001F	Venkel
	1	R7	0.68	1/2W		±1%	ThickFilm	R1206	RCWE1206R680FKEA	Vishay
	1	R9	4.99K	1/10W		±1%	ThickFilm	R0805	CR0805-10W-4991F	Venkel
	2	S1 S2	MOMENTARY				Tactile	SW4N6.5X4.5-PB	EVQ-PAD04M	PANASONIC CORP
	4	SO4	STANDOFF				STANDOFF		2397	SPC Technology
	1	SW1	SW_SLIDE_2POS	0.5A @ 12VDC			SLIDE	SW-SPDT-NK236H	NK236H	Apem Inc.
	1	T1	7490220121	350uH			Ethernet	ETH-7490220121	7490220121	Wurth
	1	T2	TOEP13-0284SG					XFMR-TOEP13-0284SG	TOEP13-0284SG	Mentech
	14	TP6 TP7 TP8	BLACK				LOOP	TESTPOINT	5001	Keystone
	1	U1	Si34062-A-GM					QFN24M5X5P0.65E3.1	Si34062-A-GM	Skyworks
	1	U3	TLV431				SHUNT	TLV431-DBZ	TLV431BCDBZR	TI
	4	U4 U5 U6 U7	VO618A-3X017T					SO4N10.16P2.54-AKEC	VO618A-3X017T	Vishay

Not Installed Components

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
NI	3	C33 C34 C35	1nF		2000V	±5%	X7R	C1206	C1206C102JGRACU	Kemet
NI	1	C6	15nF		16V	±10%	X7R	C0805	C0805X7R160-153K	Venkel
NI	4	FB4	742792040	2000mA	700 Ohm @150MHz		SMT	L0805	742792040	Wurth
NI	4	R37	0	2A			ThickFilm	R0805	CR0805-10W-000	Venkel