

Eval Board Name	SI3404-ISO-FB-EVB-12V
Revision	2.0

CreationDate	Proto Rev	Released
11/17/2020	6.00	1

End product must be RoHS compliant

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
	2	C1 C28	1nF		3000V	±10%	X7R	C1808	C1808X7R302-102K	Venkel
	1	C10	330uF		16V	±20%	Alum_Elec	C3.5X8MM-RAD	ECA-1CM331	Panasonic
	1	C14	0.33uF		50V	±10%	X7R	C0805	C0805X7R500-334K	Venkel
	1	C15	1uF		50V	±10%	X7R	C0805	CL21B105KBFNNNE	Samsung
	1	C2	0.01uF		100V	±10%	X7R	C0805	C0805X7R101-103K	Venkel
	1	C20	0.1uF		100V	±10%	X7R	C0805	C0805X7R101-104K	Venkel
	1	C21	0.1uF		16V	±10%	X7R	C0805	C0805X7R160-104K	Venkel
	1	C26	1nF		50V	±1%	C0G	C0805	C0805C0G500-102F	Venkel
	1	C3	680pF		100V	±1%	C0G	C0805	C0805C0G101-681FNP	Venkel
	1	C4	12uF		100V	±20%	Alum_Elec	C2.5X6.3MM-RAD	EEUFC2A120	Panasonic
	2	C5 C6	1uF		100V	±10%	X7R	C1210	C1210X7R101-105K	Venkel
	1	C7	0.01uF		100V	±10%	X7R	C0603	C0603X7R101-103K	Venkel
	1	C8	1uF		25V	±10%	X5R	C0603	C0603X5R250-105K	Venkel
	1	C9	47uF		16V	±20%	X5R	C1210	C1210X5R160-476MNE	Venkel
	1	D1	SDT5H100P5	5A	100V		Schottky	POWERDI-5	SDT5H100P5-7	Diodes Inc.
	1	D2	GREEN	30mA	2.2V		SMT	LED-0805-K	LTST-C170GKT	LITE_ON INC
	9	D10 D11 D12	S1B	1.0A	100V		Single	DO-214AC	S1B	Fairchild
	1	D4	1N4148W	300mA	100V		Single	SOD-123	1N4148W-7-F	Diodes Inc.
	2	J1 J3	BND_POST	15A			BANANA	BANANA-JACK	101	ABBATRON HH SMITH
	1	J2	RJ-45				Receptacle	RJ45-SI-52004	SI-52003-F	Bel
	2	L1 L3	742792040	2000mA	700 Ohm @150MHz		SMT	L0805	742792040	Wurth
	1	LB1	LABEL-SI3404-ISO-FB-BOM-R2.0-12V				POLYIMIDE, WHITE	PTL-14-717	LABEL-SI3404-ISO-FB-BOM-R2.0-12V	Skyworks
	4	MH4	4-40				SCREW	MH-125 MH-125NP	NSS-4-4-01	Richco Plastic Co
	1	PCB1	SI3404-ISO-FB REV 2.0				BARE PCB	N/A	SI3404-ISO-FB REV 2.0	Skyworks
	1	R10	4.7K	1/8W		±1%	ThickFilm	R0805	CR0805-8W-4701F	Venkel
	1	R11	825	1/8W		±1%	ThickFilm	R0805	CR0805-8W-8250F	Venkel
	1	R12	105k	1/8W		±1%	ThickFilm	R0805	RC0805FR-07105KL	Yageo
	1	R14	88.7K	1/8W		±1%	ThickFilm	R0805	CRCW080588K7FKEA	Vishay
	1	R15	24.3k	1/8W		±1%	ThickFilm	R0805	CRCW080524K3FKEA	vishay
	1	R17	48.7	1/8W		±1%	ThickFilm	R0805	CRCW080548R7FKTA	vishay
	1	R18	12.1K	1/10W		±1%	ThickFilm	R0805	CR0805-10W-1212F	Venkel
	1	R2	0	6A			ThickFilm	R0805	CRCW08050000Z0EAHP	Vishay Dale
	1	R3	130K	1/10W		±5%	ThickFilm	R0805	CR0805-10W-134J	Venkel
	1	R4	18	1/10W		±1%	ThickFilm	R0805	CR0805-10W-18R0F	Venkel
	1	R5	3.24K	1/10W		±1%	ThickFilm	R0805	CR0805-10W-3241F	Venkel
	2	R6 R16	0	2A			ThickFilm	R0805	CR0805-10W-000	Venkel
	1	R7	3	1/8W		±1%	ThickFilm	R0805	CR0805-8W-3R00FT	Venkel
	1	R8	0.62	1/8W		±1%	ThickFilm	R0805	RL0805FR-070R62L	Yageo
	1	R9	10	1/10W		±1%	ThickFilm	R0805	CR0805-10W-10R0F	Venkel
	4	SO4	STANDOFF				STANDOFF		2397	SPC Technology
	1	T1	127uH	15W	12V			XFMR-749119950	7491199112	Wurth Elektronik

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	6	TP10 TP15 TP16	BLACK				LOOP	TESTPOINT	5001	Keystone
	1	U1	Si3404		120V		PD	QFN20M4X4P0.5	Si3404-A-GM	Skyworks
	1	U2	FOD817A3SD					SO4N10.16P2.54-AKEC	FOD817A3SD	Vishay
	1	U3	TLV431ASN1T1G		16V		SHUNT	TLV431-DBZ	TLV431ASN1T1G	ON Semi

Not Installed Components

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
NI	3	C11 C12 C13	100uF		6.3V	±10%	X5R	C1210	C1210X5R6R3-107K	Venkel
NI	8	C19 C22 C23	1nF		100V	±10%	X7R	C0603	C0603X7R101-102K	Venkel
NI	1	C27	0.01uF		100V	±10%	X7R	C0805	C0805X7R101-103K	Venkel
NI	1	D9	SMAJ58A	400W	58V		GP	DO-214AC	SMAJ58A	Littelfuse
NI	1	L2	0.16uH	16A		±20%	Shielded	IND-XAL50xx	XAL5030-161ME	Coilcraft
NI	1	R1	1K	1/10W		±1%	ThickFilm	R0805	CR0805-10W-1001F	Venkel
NI	1	R13	0	2A			ThickFilm	R0805	CR0805-10W-000	Venkel
NI	10	TP6 TP7 TP9	BLACK				LOOP	TESTPOINT	5001	Keystone