

Eval Board Name	SI3404-BUCK-12V
Revision	2.1

CreationDate	Proto Rev	Released
10/7/2019	1.00	1

End product must be RoHS compliant

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
	1	C1	1uF		100V	±10%	X7R	C1210	C1210X7R101-105K	Venkel
	1	C13	0.1uF		100V	±10%	X7R	C0805	C0805X7R101-104K	Venkel
	1	C14	470pF		50V	±1%	C0G	C0805	C0805C0G500-471F	Venkel
	1	C19	0.1uF		16V	±10%	X7R	C0805	C0805X7R160-104K	Venkel
	1	C2	12uF		100V	±20%	Alum_Elec	C2.5X6.3MM-RAD	EEUFC2A120	Panasonic
	1	C4	47uF		16V	±20%	X5R	C1210	C1210X5R160-476MNE	Venkel
	1	C7	10uF		16V	±10%	X5R	C0805	C0805X5R160-106K	Venkel
	1	D1	PDS3100	3A	100V		Schottky	POWERDI-5	PDS3100-13	Diodes Inc.
	8	D8 D9 D10	S1B	1.0A	100V		Single	DO-214AC	S1B	Fairchild
	1	J1	RJ-45				Receptacle	RJ45-SI-52004	SI-52003-F	Bel
	2	J2 J3	BND_POST	15A			BANANA	BANANA-JACK	101	ABBATRON HH SMITH
	2	L1 L3	742792040	2000mA	700 Ohm @150MHz		SMT	L0805	742792040	Wurth
	1	L2	68uH	1.32A		±20%	Shielded	IND-MSS1038	MSS1038-683ML	Coilcraft
	1	LB1	LABEL-SI3404-BUCK-BOM-R2.1-12V				POLYIMIDE, WHITE	PTL-14-717	LABEL-SI3404-BUCK-BOM-R2.1-12V	Skyworks
	4	MH4	4-40				SCREW	MH-125 MH-125NP	NSS-4-4-01	Richco Plastic Co
	1	PCB1	SI3404-BUCK REV 2.0				BARE PCB	N/A	SI3404-BUCK REV 2.0	Skyworks
	1	R1	3.24K	1/8W		±1%	ThickFilm	R0805	CRCW08053K24FKEA	Vishay
	1	R10	88.7K	1/8W		±1%	ThickFilm	R0805	CRCW080588K7FKEA	Vishay
	1	R11	48.7	1/8W		±1%	ThickFilm	R0805	CRCW080548R7FKTA	vishay
	1	R3	1.1K	1/10W		±1%	ThickFilm	R0805	CR0805-10W-1101F	Venkel
	1	R4	9.09K	1/10W		±0.5%	±25PPM	R0805	RR1220P-9091-D-M	Susumu
	1	R5	10	1/10W		±1%	ThickFilm	R0805	CR0805-10W-10R0F	Venkel
	1	R6	3	1/8W		±1%	ThickFilm	R0805	CR0805-8W-3R00FT	Venkel
	1	R7	0.62	1/8W		±1%	ThickFilm	R0805	RL0805FR-070R62L	Yageo
	1	R8	100K	1/8W		±1%	ThickFilm	R0805	CR0805-8W-1003F	Venkel
	1	R9	24.3k	1/8W		±1%	ThickFilm	R0805	CRCW080524K3FKEA	vishay
	4	SO4	STANDOFF				STANDOFF		2397	SPC Technology
	4	TP12	BLACK				LOOP	TESTPOINT	5001	Keystone
	1	U1	SI3404		120V		PD	QFN20M4X4P0.5	SI3404-A-GM	Skyworks

Not Installed Components

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
NI	1	C20	330pF		50V	±1%	C0G	C0805	C0805C0G500-331F	Venkel
NI	1	C3	560uF		6.3V	±20%	Alum_Elec	C3.5X8MM-RAD	EEUFM0J561	Panasonic
NI	2	C5 C8	100uF		6.3V	±10%	X5R	C1210	C1210X5R6R3-107K	Venkel
NI	1	C6	3.3nF		16V	±10%	X7R	C0805	C0805X7R160-332K	Venkel
NI	8	C15 C16 C17	1nF		100V	±10%	X7R	C0603	C0603X7R101-102K	Venkel
NI	1	D6	SMAJ58A	400W	58V		GP	DO-214AC	SMAJ58A	Littelfuse
NI	1	R2	1K	1/10W		±1%	ThickFilm	R0805	CR0805-10W-1001F	Venkel
NI	8	TP6 TP7 TP8	BLACK				LOOP	TESTPOINT	5001	Keystone