

Bill Of Materials October 10,2017 17:44:32

Item	NI	Quantity	Reference	Value	Rating	Voltage	Tol	Type	PCB Footprint	Manufacturer Part Number	Manufacturer	Sub	Comments
6	NI	2	C39 C53	0.1uF		10V	±10%	X7R	C0402L	GRM155R71A104KA01D	MuRata		
7	NI	16	C42 C43 C44 C45 C46 C47 C48 C49 C65 C66 C67 C68 C69 C70 C71 C72	2pF		50V	±0.1pF	COG	C0402	GRM1555C1H2R0BA01D	MuRata		
32	NI	2	R33 R59	49.9	1/16W		±1%	ThickFilm	R0402L	CR0402-16W-49R9F	Venkel		
37	NI	2	R64 R65	0	1A			ThickFilm	R0402L	CR0402-16W-000	Venkel		
41	NI	7	TP1 TP2 TP3 TP4 TP5 TP10 TP11	RED				LOOP	TESTPOINT	5000	Keystone		
42	NI	1	TP12	RED				Loop	TESTPOINT	151-207-RC	Kobiconn		
43	NI	1	TP13	BLACK				Loop	TESTPOINT	151-203-RC	Kobiconn		
1		11	C1 C3 C4 C7 C8 C9 C62 C63 C64 C73 C74	0.1uF		10V	±10%	X7R	C0402	GRM155R71A104KA01D	MuRata		
2		3	C2 C5 C10	1uF		10V	±10%	X7R	C0603	GRM188R71A105KA61D	MuRata		
3		4	C13 C16 C19 C33	0.01uF		16V	±20%	X7R	C0603	C0603X7R160-103M	Venkel		
4		8	C14 C15 C17 C18 C20 C21 C34 C35	4.7uF	1.0 Ohm ESR	10V	±10%	TANT	C3216	TR3A475K010C1000	Vishay Sprague		
5		6	C22 C23 C24 C36 C50 C52	1uF		16V	±20%	X7R	C0805	C0805X7R160-105M	Venkel		
8		1	C51	0.1uF		16V	±10%	X7R	C0805	C0805X7R160-104K	Venkel		
9		1	D1	Green	20mA	3.4V		SMT, ChipLED	LED-HSMX-C170	HSMQ-C170	Avago Technologies		
10		1	D2	SP0503BAHT	300mW	20V		TVS	SOT143-AKKK	SP0503BAHTG	Littlefuse		
11		1	D3	Blue	20mA	3.4V		SMT, ChipLED	LED-HSMX-C170	HSMR-C170	Avago Technologies		
12		2	F81 F82	22 Ohm	6000mA			SMT	L0805	BLM21PG220SN1	MuRata		
13		4	JP1 JP2 JP3 JP4	Header 1x2 TH				Header	CONN1X2	TSW-102-07-G-S	Samtec		
14		2	JP5 JP7	HEADER 1x3				Header	CONN-1X3	TSW-103-07-L-S	Samtec		
15		1	JP6	HEADER 8x3				Header	CONN3X8	TSW-108-07-S-T	Samtec		
16		13	JS2 JS3 JS4 JS5 JS6 JS7 JS8 JS9 JS10 JS11 JS12 JS15 JS16	Jumper Shunt				Shunt	SHUNT	SNT-100-BK-T	Samtec		
17		18	J1 J3 J4 J5 J6 J7 J8 J9 J10 J15 J25 J26 J27 J28 J29 J30 J31 J32	SMA				SMA	SMA-EDGE-3	142-0701-801	Johnson Components		
18		2	J11 J12	BND POST	15A			BANANA	BANANA-JACK	101	ABBATRON HH SMITH		
19		1	J13	USB Type B				USB	CONN-USB-B	61729-00108LF	FCI		
20		8	MH1 MH2 MH3 MH4 MH22 MH23 MH24 MH25	SCREW/STANDOFF				HDW	MH-125NP	NSS-4-4-01/2397	VARIOUS		
24		3	R1 R2 R25	1	2W		±100PPM, ±1%	ThickFilm	R2512	LRC-LR2512LF-01-1R00-F	TT Electronics		
25		4	R3 R4 R7 R26	10K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-1002F	Venkel		
26		3	R9 R11 R13	21.5K	1/10W		±1%	ThickFilm	R0603	CR0603-10W-2152F	Venkel		
27		4	R10 R12 R14 R48	8.06K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-8061F	Venkel		
28		1	R28	8.25K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-8251F	Venkel		
29		1	R29	13.3K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-1332F	Venkel		
30		1	R30	33K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-3302F	Venkel		
31		1	R31	20K	1/10W		±1%	ThickFilm	R0603	CR0603-10W-2002F	Venkel		
33		16	R37 R38 R39 R40 R41 R42 R43 R44 R74 R75 R76 R77 R78 R79 R80 R81	0	1A			ThickFilm	R0402	CR0402-16W-000	Venkel		
34		1	R45	6.8K	1/16W		±1%	ThickFilm	R0402	CR0402-16W-6801FT	Venkel		
35		10	R49 R50 R51 R52 R53 R54 R56 R84 R85 R86	1K	1/16W		±5%	ThickFilm	R0402	CR0402-16W-102J	Venkel		
36		1	R55	10K	1/16W		±5%	ThickFilm	R0402	CR0402-16W-103J	Venkel		
38		1	SW1	SW1-DIP-SMT	0.025A	24V		DIP	SW1-DIP-SMT	SDA01H05B	C&K Components		
39		1	SW2	SW3-DIP-SMT	0.025A	24V		DIP	SW3-DIP-SMT	SDA03H05B	C&K Components		
40		1	SW3	SW SLIDE 2POS	0.2A @ 12VDC			SLIDE	SW-CL-SB-12A-1X	CL-SB-12A-12	Copal		
44		1	U1	SIS3208-48QFN				Timing	QFN48N6X6P0.4E3.6	SIS3208-A01AGM	SiLabs		
45		4	U2 U3 U4 U7	TPS76201	100mA			LDO	SOT5N2.8P0.95	TPS76201DBV	TI		