



Bill of Materials

TI DESIGNS

TIDA-00624

LINE NO.	QTY	VALUE	DESIGNATORS	PKG/ CASE	T.COEFF/ PWR	TOL	VOLT RATED	DESCRIPTION	MANUFACTURER	MNFR. PART #	DigiKey Part#
1	1	2200pF	C6	0201	X7R	10	25V	Capacitors	Panasonic Electronic Components	ECJ-ZEB1E222K	PCC2386CT-ND
2	5	0.1µF	C1, C2, C3, C4, C5	0402	X7R	10	16V	Capacitors	TDK Corporation	C1005X7R1C104K	445-4952-1-ND
3	1	47000pF	C10	0402	X7R	10	25V	Capacitors	Murata Electronics North America	GRM155R71E473KA88D	490-3254-1-ND
4	2	10µF	C7, C8	0805	X7R	10	10V	Capacitors	Murata Electronics North America	GRM21BR71A106KE51L	490-3905-1-ND
5	2	10µF	C11, C12	0805	X7R	10	10V	Capacitors	Murata Electronics North America	GRM21BR71A106KE51L	490-3905-1-ND
6	1	22µF	C13	0805	X5R	20	6.3V	Capacitors	TDK Corporation	C2012X5R0J226M/1.25	445-1422-1-ND
7	1	47µF	C9	1206	X5R	20	10V	Capacitors	Taiyo Yuden	LMK316BJ476ML-T	587-1780-1-ND
28	6	0.0 (Zero Ohm)	R4, R30, R31, R34, R35, R36	0201	1/20W	5	50V	Resistors	Vishay Dale	CRCW02010000Z0ED	541-0.0AGCT-ND
29	2	1.00K	R21, R22	0201	1/20W	1		Resistors	Panasonic Electronic Components	ERJ-1GEF1001C	P1.00KABCT-ND
30	7	100K	R6, R7, R8, R10, R11, R13, R14	0201	1/20W	1	75V	Resistors	Venkel	CR0201-20W-1003FT	CR0201-20W-1003FT
31	1	47.0K	R1	0201	1/20W	1		Resistors	Panasonic Electronic Components	ERJ-1GEF4702C	P47.0KABCT-ND
32	1	665 ohm	R9	0201	1/20W	1		Resistors	Panasonic Electronic Components	ERJ-1GEF6650C	P665ABCT-ND
33	1	1.00M	R25	0402	1/16W	1		Resistors	Vishay Dale	CRCW04021M00FKED	541-1.00MLCT-ND
34	6	10.0K	R23, R24, R27, R28, R38, R39	0402	1/10W	1		Resistors	Panasonic Electronic Components	ERJ-2RKF1002	P10.0KLCT-ND
35	2	12.0K	R16, R19	0402	1/16W	1		Resistors	Yageo	RC0402FR-0712KL	311-12.0KLRCT-ND
36	1	178K	R29	0402	1/10W	1		Resistors	Panasonic Electronic Components	ERJ-2RKF1783X	P178KLCT-ND
37	1	29.4K	R26	0402	1/16W	1		Resistors	Stackpole	RMCF0402FT29K4	RMCF0402FT29K4CT-ND
38	1	330	R2	0402	±100ppm/°C	1	1/10W	Resistors	Panasonic Electronic Components	ERJ-2RKF3300X	P330LCT-ND
39	2	36.0K	R15, R18	0402	1/16W	1	50V	Resistors	Yageo	RC0402FR-0736KL	311-36.0KLRCT-ND
40	2	4.70K	R17, R20	0402	1/16W	1		Resistors	Vishay Dale	CRCW04024K70FKED	541-4.70KLCT-ND
41	1	665	R12	0402	1/16W	1	75V	Resistors	Venkel	CR0402-16W-6650FT	CR0402-16W-6650FT
8	1	TPD6E05U06RVZR	U4	14-UFDNF			14V	Circuit Protection	Texas Instruments	TPD6E05U06RVZR	TPD6E05U06RVZR-ND
16	1	220	FB1	0603	2A			Filters	Murata Electronics North America	BLM18EG221SN1D	490-3992-1-ND
19	1	1µH	L1	SMDV3.0X3.0X1.0	2.1A	30		Inductors_Coils_Chokes	Taiyo Yuden	NR3015T1R0N	587-1647-1-ND
25	1	LED - Green Clear	D2	0805	35mcd	20	2V	Optoelectronics	Lite-On Inc	LTST-C170KGKT	160-1414-1-ND
26	1	LED - Green Clear	D3	0805	35mcd	20	2V	Optoelectronics	Lite-On Inc	LTST-C170KGKT	160-1414-1-ND

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27	1	Green, Red, Yellow	D4	4-PLCC	20mA	403616	1.9V Gre	Optoelectronics	Bivar Inc	SMP4-RGY	492-1226-1-ND
14	1	DIODE TVS	D5	SMA	400W	5	20V	Discrete Semiconductor Products	Littelfuse	SMAJ20A	SMAJ20ADICT-ND
15	1	Single - Schottky	D1	SOD-123F	1A		20V	Discrete Semiconductor Products	ROHM Semiconductor USA, LLC	RB161M-20TR	RB161M-20CT-ND
20	1	HD3SS2522	U1	56-WQFN				Integrated Circuits	Texas Instruments	HD3SS2522	
21	1	TPS2046B	U6	8-SOIC				Integrated Circuits	Texas Instruments	TPS2046B	
22	1	TPS62082DSGT	U7	8-WSON				Integrated Circuits	Texas Instruments	TPS62082DSGT	296-29647-1-ND
23	1	TPS25910RSA	U5	QFN-16				Integrated Circuits	Texas Instruments	TPS25910RSA	TPS25910RSA
24	2	TPD4E05U06DQAR	U2, U3	SON-10				Integrated Circuits	Texas Instruments	TPD4E05U06DQA-	
42	1	SPST-NO Off-Mom	SW1	3.00mm x 2.60mm	0.05A		32V	Switches	C&K Components	KMT211NG HF LFS	CKN9433CT-ND
43	1	8 SPST	SW2	8 pos	0.025A		24VDC	Switches	ITT Cannon	TDA08H0SK1	CKN1365-ND
44	3	TESTPOINT TERMINAL	TP1, TP2, TP3	.335"L				Test Equipment	Keystone Electronics	1035	1035K-ND
9	1	4 pos	J1	0.1				Connectors	TE Connectivity	5-104363-3	A32565-ND
10	3	1 X 2	J18, J19, J20	0.1"	High Temp			Connectors	Samtec Inc	HTSW-150-07-G-S	HTSW-150-07-G-S-ND
11	1	1 X 2	J4	1.27MM				Connectors	Sullins Connector Solutions	GRPB501VWVN-RC	S9014E-50-ND
12	1	USB-TYPE C	J3	SMT				Connectors	Foxconn	UT12113-11601-7H	
13	1	USB TYPE A 3.0 R/A	J2	SMT Edge mount				Connectors	Würth Electronics Inc	692112030100	732-3157-ND
17	1	Closed Top- Shunt	Shunt	0.050"	High Temp			Hardware	Sullins Connector Solutions	NPB02SVAN-RC	S9345-ND
18	1	Shunt	Shunt	0.1" SP	High Temp			Hardware	Kobiconn	151-8000-E	151-8000-E
45	5	DNI	R3, R5, R32, R33, R37	DNI	DNI	0	DNI	Undefined Category	DNI	DNI	DNI
47	5	DNI	TP5, TP6, TP7, TP8, TP9	DNI	DNI	0	DNI	Undefined Category	DNI	DNI	DNI

KS ID: 15428

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