

**L17\_TSI\_001 BoM**

Ref	Value	Description	Manufacturer	Manufacturer P/N	Supplier	Supplier P/N	Unit Price
U13		DC/DC CONVERTER 5V 10W	CUI Inc.	PDQ10-Q24-S5-D	Digikey	102-3865-ND	\$25.82
U1		CONVERT DC/DC 2W 12V 167MA OUT	CUI Inc.	PDM2-S24-S12-S	Digikey	102-2728-ND	\$5.71
SW1		SWITCH PUSH SPST-NO 0.1A 42V	RAFI USA	1.14100.5030000	Digikey	1715-1676-1-ND	\$2.40
SW2		IC ANLG SW SPDT SOT23-6	Texas Instruments	TSSA3159QDBVRQ1	Digikey	296-39512-1-ND	\$0.98
U4		SENSOR TEMPERATURE SPI SOT23-5	Texas Instruments	LM95071QIMFX/NOPB	Digikey	296-40259-1-ND	\$2.90
U8		IC GATE NAND 1CH 8-INP 14-SOIC	Texas Instruments	74ACT11030DR	Digikey	296-4180-1-ND	\$2.28
R44	120Ω	RES SMD 120 OHM 1% 1/8W 0805	Yageo	RC0805FR-07120RL	Digikey	311-120CRCT-ND	\$0.10
R12	150Ω	RES SMD 150 OHM 1% 1/8W 0805	Yageo	RC0805FR-07150RL	Digikey	311-150CRCT-ND	\$0.10
R15	150Ω	RES SMD 150 OHM 1% 1/8W 0805	Yageo	RC0805FR-07150RL	Digikey	311-150CRCT-ND	\$0.10
R27	150Ω	RES SMD 150 OHM 1% 1/8W 0805	Yageo	RC0805FR-07150RL	Digikey	311-150CRCT-ND	\$0.10
R70	47kΩ	RES SMD 47K OHM 1% 1/8W 0805	Yageo	RC0805FR-0747KL	Digikey	311-47.0KCRCT-ND	\$0.10
C5	10pF	CAP CER 10PF 50V NP0 0805	KEMET	C0805C100J5GACTU	Digikey	399-1108-1-ND	\$0.10
C6	10pF	CAP CER 10PF 50V NP0 0805	KEMET	C0805C100J5GACTU	Digikey	399-1108-1-ND	\$0.10
C28	100pF	CAP CER 100PF 50V NP0 0805	KEMET	C0805C101J5GACTU	Digikey	399-1122-1-ND	\$0.10
C29	100pF	CAP CER 100PF 50V NP0 0805	KEMET	C0805C101J5GACTU	Digikey	399-1122-1-ND	\$0.10
C30	100pF	CAP CER 100PF 50V NP0 0805	KEMET	C0805C101J5GACTU	Digikey	399-1122-1-ND	\$0.10
C41	100pF	CAP CER 100PF 50V NP0 0805	KEMET	C0805C101J5GACTU	Digikey	399-1122-1-ND	\$0.10
C46	100pF	CAP CER 100PF 50V NP0 0805	KEMET	C0805C101J5GACTU	Digikey	399-1122-1-ND	\$0.10
C47	100pF	CAP CER 100PF 50V NP0 0805	KEMET	C0805C101J5GACTU	Digikey	399-1122-1-ND	\$0.10
C1	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C12	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C14	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C15	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C16	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C17	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C18	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C2	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C22	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C23	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C25	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C26	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C31	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C32	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C33	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C34	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C35	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C37	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C38	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C40	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C42	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C43	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C44	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C45	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C7	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
C8	0.1uF	CAP CER 0.1UF 25V X7R 0805	KEMET	C0805C104K3RACTU	Digikey	399-1168-1-ND	\$0.10
SW3		SWITCH SLIDE DPDT 300MA 6V	C&K	JS202011CQN	Digikey	401-2001-ND	\$0.41
D1		LED GREEN DIFFUSED 0805 SMD	OSRAM Opto Semiconductors Inc.	LG R971-KN-1	Digikey	475-1410-1-ND	\$0.25
D2		LED YELLOW DIFFUSED 0805 SMD	OSRAM Opto Semiconductors Inc.	LY R976-PS-36	Digikey	475-2560-1-ND	\$0.35
D3		LED RED DIFFUSED 0805 SMD	OSRAM Opto Semiconductors Inc.	LS R976-NR-1	Digikey	475-1278-1-ND	\$0.26
C10	10uF	CAP CER 10UF 35V X5R 0805	Murata Electronics North America	GRM21BR6YA106ME43L	Digikey	490-10515-1-ND	\$0.36
C11	10uF	CAP CER 10UF 35V X5R 0805	Murata Electronics North America	GRM21BR6YA106ME43L	Digikey	490-10515-1-ND	\$0.36
C19	10uF	CAP CER 10UF 35V X5R 0805	Murata Electronics North America	GRM21BR6YA106ME43L	Digikey	490-10515-1-ND	\$0.36
C24	1uF	CAP CER 1UF 250V X7R 2220	Murata Electronics North America	GRM55DR72E105KW01L	Digikey	490-3550-1-ND	\$0.85
C4	47uF	CAP CER 47UF 16V X5R 1210	Murata Electronics North America	GRM32ER61C476KE15K	Digikey	490-6538-1-ND	\$0.86
U18		IC OPAMP GP 1.4MHZ RRO 8SO	STMicroelectronics	TS9121YDT	Digikey	497-10252-1-ND	\$1.54
U6		IC OPAMP GP 1.4MHZ RRO 8SO	STMicroelectronics	TS9121YDT	Digikey	497-10252-1-ND	\$1.54
U22		IC COMP LP DUAL CMOS VOLT 8 SOIC	STMicroelectronics	TS372IDT	Digikey	497-2271-1-ND	\$0.62
D4		LED BLUE DIFFUSED 0805 SMD	Broadcom Limited	HSMR-C170	Digikey	516-1445-1-ND	\$0.89
U19		IC OPAMP ISOLATION 100KHZ 8SO	Broadcom Limited	ACPL-C870-000E	Digikey	516-2578-5-ND	\$5.39
U20		IC OPAMP ISOLATION 100KHZ 8SO	Broadcom Limited	ACPL-C870-000E	Digikey	516-2578-5-ND	\$5.39
C3	2.2uF	CAP CER 2.2UF 16V X5R 0805	Taiyo Yuden	EMK212BJ225KG-T	Digikey	587-1293-1-ND	\$0.16
L1	100uH	FIXED IND 100UH 1A 377 MOHM SMD	Taiyo Yuden	NR8040T101M	Digikey	587-2004-1-ND	\$0.60
CON1		CONN HEADER 10POS DUAL SHRD SMD	Amphenol FCI	20021521-00010T1LF	Digikey	609-4054-ND	\$1.11
Y1		CRYSTAL 10.0000MHZ 12PF SMD	TSC Corporation	7A-10.000MAAE-T	Digikey	887-1741-1-ND	\$0.66
P1		CONN RCPT 2POS 11.18MM PCB SLDR	TE Connectivity AMP Connectors	556881-2	Digikey	A113980-ND	\$7.13
U7		IC MCU 8BIT 128KB FLASH 64TQFP	Microchip Technology	AT90CAN128-16AUR	Digikey	AT90CAN128-16AURCT-ND	\$7.66
U5		IC REG LDO 10V 1A TO220-3	Fairchild / ON Semiconductor	LM7810ACT	Digikey	LM7810ACT-ND	\$0.64
U16		IC REG BUCK ADJ 0.25A 16MSOP	Linear Technology	LTC3638EMSE#PBF	Digikey	LTC3638EMSE#PBF-ND	\$7.79
U10		IC TRANSCEIVER CAN HI-SPD 8-SOIC	Microchip Technology	MCP2551-I/SN	Digikey	MCP2551-I/SN-ND	\$1.05
U21		IC OPAMP GP 1MHZ RRO SOT23-5	Microchip Technology	MCP6001T-I/OT	Digikey	MCP6001T-I/OTCT-ND	\$0.25
U2		IC OPAMP GP 1MHZ RRO 8SOIC	Microchip Technology	MCP6002T-I/SN	Digikey	MCP6002T-I/SNCT-ND	\$0.34
U17		IC OPAMP GP RRO 1MHZ 14-SOIC	Microchip Technology	MCP6004T-I/SL	Digikey	MCP6004T-I/SLCT-ND	\$0.45
U3		IC OPAMP GP RRO 1MHZ 14-SOIC	Microchip Technology	MCP6004T-I/SL	Digikey	MCP6004T-I/SLCT-ND	\$0.45
Q2		MOSFET N-CH 60V 500MA SOT-23	Fairchild / ON Semiconductor	MMBF170	Digikey	MMBF170CT-ND	\$0.35
Q3		MOSFET N-CH 60V 500MA SOT-23	Fairchild / ON Semiconductor	MMBF170	Digikey	MMBF170CT-ND	\$0.35
R37	1kΩ	RES SMD 1K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1001V	Digikey	P10.0KCCT-ND	\$0.10
R11	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R13	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R14	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R17	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R18	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R21	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R22	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R23	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R28	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R29	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10

R3	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R31	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R39	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R4	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R40	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R41	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R42	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R43	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R5	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R50	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R56	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R57	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R59	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R6	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R60	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R62	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R63	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R7	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R8	10kΩ	RES SMD 10K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	\$0.10
R24	100kΩ	RES SMD 100K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1003V	Digikey	P100KCCT-ND	\$0.10
R30	100kΩ	RES SMD 100K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1003V	Digikey	P100KCCT-ND	\$0.10
R10	137kΩ	RES SMD 137K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1373V	Digikey	P137KCCT-ND	\$0.10
R36	137kΩ	RES SMD 137K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1373V	Digikey	P137KCCT-ND	\$0.10
R61	150kΩ	RES SMD 150K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1503V	Digikey	P150KCCT-ND	\$0.10
R65	150kΩ	RES SMD 150K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1503V	Digikey	P150KCCT-ND	\$0.10
R67	150kΩ	RES SMD 150K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1503V	Digikey	P150KCCT-ND	\$0.10
R68	150kΩ	RES SMD 150K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1503V	Digikey	P150KCCT-ND	\$0.10
R45	16kΩ	RES SMD 16K OHM 5% 1/8W 0805	Panasonic Electronic Components	ERJ-6GEYJ163V	Digikey	P16KACT-ND	\$0.10
R47	16kΩ	RES SMD 16K OHM 5% 1/8W 0805	Panasonic Electronic Components	ERJ-6GEYJ163V	Digikey	P16KACT-ND	\$0.10
R49	16kΩ	RES SMD 16K OHM 5% 1/8W 0805	Panasonic Electronic Components	ERJ-6GEYJ163V	Digikey	P16KACT-ND	\$0.10
R53	16kΩ	RES SMD 16K OHM 5% 1/8W 0805	Panasonic Electronic Components	ERJ-6GEYJ163V	Digikey	P16KACT-ND	\$0.10
R77	196kΩ	RES SMD 196 OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF1960V	Digikey	P196CCT-ND	\$0.10
R25	2kΩ	RES SMD 2K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF2001V	Digikey	P2.00KCCT-ND	\$0.10
R26	2kΩ	RES SMD 2K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF2001V	Digikey	P2.00KCCT-ND	\$0.10
R54	24.9kΩ	RES SMD 24.9K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF2492V	Digikey	P24.9KCCT-ND	\$0.10
R55	24.9kΩ	RES SMD 24.9K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF2492V	Digikey	P24.9KCCT-ND	\$0.10
R58	24.9kΩ	RES SMD 24.9K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF2492V	Digikey	P24.9KCCT-ND	\$0.10
R64	24.9kΩ	RES SMD 24.9K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF2492V	Digikey	P24.9KCCT-ND	\$0.10
R66	24.9kΩ	RES SMD 24.9K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF2492V	Digikey	P24.9KCCT-ND	\$0.10
R16	250kΩ	RES SMD 249K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF2493V	Digikey	P249KCCT-ND	\$0.10
R19	250kΩ	RES SMD 249K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF2493V	Digikey	P249KCCT-ND	\$0.10
R2	250kΩ	RES SMD 249K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF2493V	Digikey	P249KCCT-ND	\$0.10
R20	250kΩ	RES SMD 249K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF2493V	Digikey	P249KCCT-ND	\$0.10
R51	250kΩ	RES SMD 249K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF2493V	Digikey	P249KCCT-ND	\$0.10
R52	250kΩ	RES SMD 249K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF2493V	Digikey	P249KCCT-ND	\$0.10
R69	250kΩ	RES SMD 249K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF2493V	Digikey	P249KCCT-ND	\$0.10
R71	330Ω	RES SMD 330 OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF3300V	Digikey	P330CCT-ND	\$0.10
R72	330Ω	RES SMD 330 OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF3300V	Digikey	P330CCT-ND	\$0.10
R73	330Ω	RES SMD 330 OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF3300V	Digikey	P330CCT-ND	\$0.10
R74	330Ω	RES SMD 330 OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF3300V	Digikey	P330CCT-ND	\$0.10
R32	4.75kΩ	RES SMD 4.75K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF4751V	Digikey	P4.75KCCT-ND	\$0.10
R34	4.75kΩ	RES SMD 4.75K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF4751V	Digikey	P4.75KCCT-ND	\$0.10
R33	499Ω	RES SMD 499 OHM 0.1% 1/8W 0805	Panasonic Electronic Components	ERA-6AEB4990V	Digikey	P499DACT-ND	\$0.39
R79	499Ω	RES SMD 499 OHM 0.1% 1/8W 0805	Panasonic Electronic Components	ERA-6AEB4990V	Digikey	P499DACT-ND	\$0.39
R81	499Ω	RES SMD 499 OHM 0.1% 1/8W 0805	Panasonic Electronic Components	ERA-6AEB4990V	Digikey	P499DACT-ND	\$0.39
R82	499Ω	RES SMD 499 OHM 0.1% 1/8W 0805	Panasonic Electronic Components	ERA-6AEB4990V	Digikey	P499DACT-ND	\$0.39
R83	499Ω	RES SMD 499 OHM 0.1% 1/8W 0805	Panasonic Electronic Components	ERA-6AEB4990V	Digikey	P499DACT-ND	\$0.39
R1	665kΩ	RES SMD 665K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF6653V	Digikey	P665KCCT-ND	\$0.10
R9	665kΩ	RES SMD 665K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF6653V	Digikey	P665KCCT-ND	\$0.10
R76	750kΩ	RES SMD 750K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF7503V	Digikey	P750KCCT-ND	\$0.10
R38	9.31kΩ	RES SMD 9.31K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF9311V	Digikey	P9.31KCCT-ND	\$0.10
R80	9.31kΩ	RES SMD 9.31K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF9311V	Digikey	P9.31KCCT-ND	\$0.10
D5		DIODE SCHOTTKY 100V 3ADO214AC	Micro Commercial Co	SK310A-LTP	Digikey	SK310A-LTPMSCT-ND	\$0.60
U11		OPTOISOLATOR 3.75KV TRANS 4-SO	Toshiba Semiconductor and Storage	TLP293(GB-TPL,E	Digikey	TLP293(GB-TPLECT-ND	\$0.52
U12		OPTOISOLATOR 3.75KV TRANS 4-SO	Toshiba Semiconductor and Storage	TLP293(GB-TPL,E	Digikey	TLP293(GB-TPLECT-ND	\$0.52
U23		OPTOISOLATOR 3.75KV TRANS 4-SO	Toshiba Semiconductor and Storage	TLP293(GB-TPL,E	Digikey	TLP293(GB-TPLECT-ND	\$0.52
U24		OPTOISOLATOR 3.75KV TRANS 4-SO	Toshiba Semiconductor and Storage	TLP293(GB-TPL,E	Digikey	TLP293(GB-TPLECT-ND	\$0.52
U27		OPTOISOLATOR 3.75KV TRANS 4-SO	Toshiba Semiconductor and Storage	TLP293(GB-TPL,E	Digikey	TLP293(GB-TPLECT-ND	\$0.52
U9		OPTOISOLATOR 3.75KV TRANS 4-SO	Toshiba Semiconductor and Storage	TLP293(GB-TPL,E	Digikey	TLP293(GB-TPLECT-ND	\$0.52
P2		QF50 SRD HDR VT .1AU 20POS	Molex LLC	906631201	Digikey	WM14741-ND	\$2.31
J5		CONN MOD JACK 6P6C VERT UNSHLD	Molex LLC	855135002	Digikey	WM3789CT-ND	\$1.16
J1		CONN HEADER 8POS .100 VERT 30AU	Molex LLC	705430112	Digikey	WM4128-ND	\$1.88
J4		CONN HEADER 4POS .100 VERT GOLD	Molex LLC	705430003	Digikey	WM4802-ND	\$0.94
P3		CONN HEADER 14POS 2.54MM VERT	Molex Connector Corporation	905711141	Digikey	WM8632-ND	\$2.40
JP1		JUMPER PLUG 3POS SING ROW	Omron Electronics Inc-EMC Div	XG8V-0331	Digikey	Z5375-ND	\$0.26
Q1		MOSFET P-CH 250V 0.265A SOT223	Diodes Incorporated	ZVP4525GTA	Digikey	ZVP4525GCT-ND	\$0.68