

Designator	Quantity	Description	Value	Footprint	Manufacturer	Manufacturer Part Number
VR1	1	IC REG LIN 10V 1.5A DPAK/TO263	10V	D2PAK_L	Texas Instruments	UA7810CKTTR
U41	1	IC GATE DRVR LOW-SIDE 8SOIC		SOIC-OA8_M	Microchip Technology	TC1411NEOA713
U21	1	LAUNCHPAD MSP430FR5969 EVAL BRD		MSP430 Launchpad	Texas Instruments	MSP430FR5969
SW31, SW32	2	SWITCH TACTILE SPST-NO 0.05A 24V	4p	FSM2JSMA	TE Connectivity ALCOSWITCH Switches	FSM2JSMA
R43	1	RES SMD 1 OHM 1% 1/8W 0805	1	SMD-0805-RES	Panasonic Electronic Components	ERJ-6RQF1R0V
R22, R42	2	RES SMD 2K OHM 0.5% 1/2W 0805	2k	SMD-0805-RES	Panasonic Electronic Components	ERJ-P06D2001V
R21, R41	2	RES SMD 8.2K OHM 0.5% 1/2W 0805	8.2k	SMD-0805-RES	Panasonic Electronic Components	ERJ-P06D8201V
R13, R31	2	RES SMD 100 OHM 1% 1/2W 0805 RES SMD 100 OHM 1% 1/8W 0805	100	SMD-0805-RES	Panasonic Electronic Components	ERJ-P06F1000V, ERJ-6ENF1000V
R12, R32	2	RES SMD 10K OHM 1% 1/8W 0805	10k	SMD-0805-RES	Panasonic Electronic Components	ERJ-6ENF1002V
R11, R23, R24	3	RES SMD 4.7K OHM 1% 1/8W 0805	4.7k	SMD-0805-RES	Panasonic Electronic Components	ERJ-6ENF4701V
Q31, Q41	2	MOSFET N-CH 60V 240MA SOT23-3	3.2V	2N7002-SOT23	Panasonic Electronic Components	2N7002E
P18	1	CONN HEADER VERT 2POS 2.54MM	2p	MOLX-22-27-2021_V	Molex	0022272021
P13	1	MICROFIT 3.0 RA HDR W/TH DR TIN	5x2p	43045-1000	Molex	43045-1000
P12	1	CONN HEADER VERT 4POS 2.54MM	4p	MOLX-22-27-2041_V	Molex	0022272041
D11, D12	2	LED GREEN CLEAR 0805 SMD	3.2V	0805_A	Wuerth Elektronik	150080GS75000
C43	1	CAP CER 4.7UF 50V X7S 0805	4.7µF	SMD-0805C	Murata Electronics North America	GRM21BC71H475KE11L
C42, C44	2	CAP CER 0.1UF 50V X7R 0805	0.10µF	SMD-0805C	Murata Electronics North America	GCD21BR71H104KA01L
C41	1	CAP CER 0.33UF 50V X7R 0805	0.33µF	SMD-0805C	Murata Electronics North America	GRM219R71H334KA88J