

Part	Manufacturer	Part Number	Quantity	Price (\$)	Footprint (mm²)	Description
ACDC 12V						
Rdrv	Vishay-Dale	CRCW04024R75FKED	1	0.01	3	Resistance: 4.75 Ω Tolerance: 1.0% Power: 63 mW
Cd	MuRata	GRM1555C1H561JA01J	1	0.01	3	Cap: 560 pF Total Derated Cap: 560 pF VDC: 50 V ESR: 0 Ω Package: 0402
Cin	CUSTOM	CUSTOM	1	0.17	NA	Cap: 7.48 μF Total Derated Cap: 7.5 μF VDC: 362.32 V ESR: 3.34 Ω Package: null
Dsec2	Diodes Inc.	B560C-13-F	1	0.17	83.27	Type: Schottky VRRM: 60 V Io: 5 A
Cvcc2	TDK	C2012XS1V226M125AC	1	0.33	6.75	Cap: 22 μF Total Derated Cap: 22 μF VDC: 35 V ESR: 2.05 mΩ Package: 0805
Dz4	ON Semiconductor	MMBZ5244BLT1G	1	0.02	14	Type: SMT VRRWM: 14 V
Rsense	Vishay-Dale	CRCW12061R10FKEA	1	0.01	10.92	Resistance: 1.1 Ω Tolerance: 1.0% Power: 250 mW
M2	Infineon Technologies	BSP135H6327XTSA1	1	0.54	76.5	VdsMax: 600 V IdsMax: 120 mAmps
Cvcc1	TDK	C2012XS1V106K085AC	1	0.17	6.75	Cap: 10 μF Total Derated Cap: 1.9 μF VDC: 35 V ESR: 2.82 mΩ Package: 0805
Rsnub2	CUSTOM	CUSTOM	1	0.01	NA	Resistance: 425.66 kΩ Tolerance: 0.0% Power: 0 W
Dac	Diodes Inc.	HD06-T	1	0.13	62.1	Type: Switching-Bridge VRRM: 600 V Io: 800 mA
Cfb	MuRata	GRM033R7010103KA01D	1	0.01	2.08	Cap: 10 nF Total Derated Cap: 10 nF VDC: 6.3 V ESR: 1 mΩ Package: 0201
Rfbb	Vishay-Dale	CRCW040214K7FKED	1	0.01	3	Resistance: 14.7 kΩ Tolerance: 1.0% Power: 63 mW
VR	Texas Instruments	TL431IDBVR	1	0.06	16.39	IkMin: 400 mA InitialAccuracy: 1.5% ReferenceOutput: 2.5 V
Cvcc	Kemet	C0805C104M5RACTU	1	0.01	6.75	Cap: 100 nF Total Derated Cap: 100 nF VDC: 50 V ESR: 64 mΩ Package: 0805
Rsnub1	CUSTOM	CUSTOM	1	0.01	NA	Resistance: 425.66 kΩ Tolerance: 0.0% Power: 0 W
U1	Texas Instruments	LM5023MM-2/NOPB	1	0.38	23.6	
D3	Fairchild Semiconductor	SS26FL	1	0.07	11.7	Type: Schottky VRRM: 60 V Io: 2 A
Rvin	CUSTOM	CUSTOM	1	0.01	NA	Resistance: 26.28 kΩ Tolerance: 0.0% Power: 0 W
Rvcc	Vishay-Dale	CRCW040276R8FKED	1	0.01	3	Resistance: 76.8 Ω Tolerance: 1.0% Power: 63 mW
Rcs	Vishay-Dale	CRCW0402499RFKED	1	0.01	3	Resistance: 499 Ω Tolerance: 1.0% Power: 63 mW
O1	Fairchild Semiconductor	FOD817A	1	0.11	71.06	CTR_Min: 80.0% CTR_Max: 160.0% IcMax: 50 mA
Ccs	Samsung Electro-Mechanics	CL21C101JBANNNC	1	0.01	6.75	Cap: 100 pF Total Derated Cap: 100 pF VDC: 50 V ESR: 0 Ω Package: 0805
Ccomp	MuRata	GRM1555C1H102JA01J	1	0.01	3	Cap: 1 nF Total Derated Cap: 1 nF VDC: 50 V ESR: 0 Ω Package: 0402
Ropto	Yageo	RC0201FR-0710KL	1	0.01	2.08	Resistance: 10 kΩ Tolerance: 1.0% Power: 50 mW
T1	Core=TDK CoilFormer=TDK	'G0000X187 CoilFormer=B6620	1	0.22	569.35	Core Type: E25/13/7 Core Material: N87 Turns Ratio(Nps): 171:7
Rfbt	Susumu Co Ltd	RR1220P-563-D	1	0.01	6.75	Resistance: 56 kΩ Tolerance: 0.5% Power: 100 mW
Rqrb	Vishay-Dale	CRCW04022K43FKED	1	0.01	3	Resistance: 2.43 kΩ Tolerance: 1.0% Power: 63 mW
Rqrt	Vishay-Dale	CRCW04026K98FKED	1	0.01	3	Resistance: 6.98 kΩ Tolerance: 1.0% Power: 63 mW
Css	Panasonic	ECPU1C154MA5	1	0.17	10.92	Cap: 150 nF Total Derated Cap: 150 nF VDC: 16 V ESR: 0 Ω Package: 1206
Cout	Panasonic	35VVPF82M	2	0.63	106.09	Cap: 82 μF Total Derated Cap: 160 μF VDC: 35 V ESR: 20 mΩ Package: 8x11.9
Dsnub	CUSTOM	CUSTOM	1	5	NA	Type: ? VRRM: 1.02 kV Io: 5.03 mA
Csnub	MuRata	GRM31A7U21J02JW31D	1	0.09	10.92	Cap: 1 nF Total Derated Cap: 1 nF VDC: 630 V ESR: 1 mΩ Package: 1206
Dsec	Diodes Inc.	B560C-13-F	1	0.17	83.27	Type: Schottky VRRM: 60 V Io: 5 A
M1	STMicroelectronics	STW21N90K5	1	3.2	123.2	VdsMax: 900 V IdsMax: 18.5 Amps
Rvsd	Vishay-Dale	CRCW08051M00FKEA	1	0.01	6.75	Resistance: 1 MΩ Tolerance: 1.0% Power: 125 mW
VR				Total Price \$	11.81	
DCDC 5V						
Cinx	MuRata	GRM188R71H104KA93D	1	0.02	4.68	Cap: 100 nF Total Derated Cap: 87 nF VDC: 50 V ESR: 20 mΩ Package: 0603
U1	Texas Instruments	TPS56637RPAR	1	1.32	16	
Cin	TDK	C2012XS1V156M125AC	1	0.21	6.75	Cap: 15 μF Total Derated Cap: 1.2 μF VDC: 35 V ESR: 1.67 mΩ Package: 0805
Cout	MuRata	GRM31CR61A476KE15L	1	0.26	10.92	Cap: 47 μF Total Derated Cap: 21 μF VDC: 10 V ESR: 3.71 mΩ Package: 1206
L1	Coilcraft	XAL1010-332MEB	1	1.71	159.6	L: 3.3 μH DCR: 3.7 mΩ IDC: 25 A
Rpg	Vishay-Dale	CRCW0402100KFKEA	1	0.01	3	Resistance: 100 kΩ Tolerance: 1.0% Power: 63 mW
Cboot	MuRata	GRM155R71C104KA88D	1	0.01	3	Cap: 100 nF Total Derated Cap: 100 nF VDC: 16 V ESR: 1 mΩ Package: 0402
Rfbb	Vishay-Dale	CRCW040210K0FKED	1	0.01	3	Resistance: 10 kΩ Tolerance: 1.0% Power: 63 mW
Rfbt	Vishay-Dale	CRCW040273K2FKED	1	0.01	3	Resistance: 73.2 kΩ Tolerance: 1.0% Power: 63 mW
Cff	Kemet	C0402C101K4GACTU	1	0.01	3	Cap: 100 pF Total Derated Cap: 100 pF VDC: 16 V ESR: 0 Ω Package: 0402
Rff	Vishay-Dale	CRCW040220K0FKED	1	0.01	3	Resistance: 20 kΩ Tolerance: 1.0% Power: 63 mW
				Total Price \$	3.58	
DCDC 2.5V						
Rfbb	Vishay-Dale	CRCW040266K5FKED	1	0.01	3	Resistance: 66.5 kΩ Tolerance: 1.0% Power: 63 mW
Rfbt	Vishay-Dale	CRCW0402100KFKEA	1	0.01	3	Resistance: 100 kΩ Tolerance: 1.0% Power: 63 mW
L1	Coilcraft	XAL6060-822MEB	1	0.82	71.56	L: 8.2 μH DCR: 24 mΩ IDC: 8 A
Cout	MuRata	GRM32ER60J107ME20L	2	0.52	14.7	Cap: 100 μF Total Derated Cap: 150 μF VDC: 6.3 V ESR: 1 mΩ Package: 1210
Cin_ch1	MuRata	GRM31CR71H475KA12L	1	0.22	10.92	Cap: 4.7 μF Total Derated Cap: 2.9 μF VDC: 50 V ESR: 3 mΩ Package: 2220
Cinx	MuRata	GRM188R72A104KA35D	1	0.05	4.68	Cap: 100 nF Total Derated Cap: 82 nF VDC: 100 V ESR: 1 mΩ Package: 0603
Cboot	MuRata	GRM155R71C104KA88D	1	0.01	3	Cap: 100 nF Total Derated Cap: 100 nF VDC: 16 V ESR: 1 mΩ Package: 0402
Cin	MuRata	GRM31CR71H475KA12L	1	0.22	10.92	Cap: 4.7 μF Total Derated Cap: 2.9 μF VDC: 50 V ESR: 3 mΩ Package: 2220
Cinx_ch1	MuRata	GRM188R72A104KA35D	1	0.05	4.68	Cap: 100 nF Total Derated Cap: 82 nF VDC: 100 V ESR: 1 mΩ Package: 0603
Coutx	TDK	CGA3E2X7R1H104K080AA	1	0.01	4.68	Cap: 100 nF Total Derated Cap: 100 nF VDC: 50 V ESR: 29.6 mΩ Package: 0603
Cvcc	Kemet	C0603C105K8PACTU	1	0.01	4.68	Cap: 1 μF Total Derated Cap: 1 μF VDC: 10 V ESR: 1 mΩ Package: 0603
U1	Texas Instruments	LMR33630AQRNXXRQ1	1	0.88	12	
Rpg	Vishay-Dale	CRCW0402100KFKEA	1	0.01	3	Resistance: 100 kΩ Tolerance: 1.0% Power: 63 mW
Cff	MuRata	GRM1555C1H270JA01D	1	0.01	3	Cap: 27 pF Total Derated Cap: 27 pF VDC: 50 V ESR: 1 mΩ Package: 0402
				Total Price \$	2.83	
Protection	Bel Fuse Inc.	02CH0075AF2E	2	0.42	PTC RESET FUSE 24V 750MA 1210	
Full	FULL BOM COST USD \$			18.22		