

Part	Manufacturer	Part Number	Description
HS_M1	Aavid	529802B02500G	ThetaSA: 7.32 C/W Height: 1.5 mm HeatSink_Power: 20 W
Dz	Diodes Inc.	MMSZ5246B-7-F	Type: SMT VRWM: 16 V
Rz	Vishay-Dale	CRCW04021K10FKED	Resistance: 1.1 k Ω Tolerance: 1.0% Power: 63 mW
Q1	ON Semiconductor	BC846BLT1G	IcRated: 100 mA HfeMin: 200 Vcbo: 80 V
Cout2	TDK	B41896C6108M000	Cap: 1 mF Total Derated Cap: 2 mF VDC: 50 V ESR: 23 m Ω Package: 16x31.5mm
L2	Coilcraft	SER1590-152MLB	L: 1.5 μ H DCR: 1.1 m Ω IDC: 19 A
C11	Knowles Capacitors	2220Y6300105KXTW	Cap: 1 μ F Total Derated Cap: 1 μ F VDC: 630 V ESR: 1 m Ω Package: 2220
C12	Kemet	C0805C104M5RACTU	Cap: 100 nF Total Derated Cap: 100 nF VDC: 50 V ESR: 64 m Ω Package: 0805
C13	MuRata	GRM1555C1H102JAO	Cap: 1 nF Total Derated Cap: 1 nF VDC: 50 V ESR: 0 Ω Package: 0402
C21	Chemi-Con	ELXZ500ELL680MF15	Cap: 68 μ F Total Derated Cap: 68 μ F VDC: 50 V ESR: 1.95 Ω Package: 6.3x15mm
C22	Samsung Electro-M	CL21C220JBANNNC	Cap: 22 pF Total Derated Cap: 22 pF VDC: 50 V ESR: 0 Ω Package: 0805
C23	Yageo	CC0805JRNPO9BN12	Cap: 12 pF Total Derated Cap: 12 pF VDC: 50 V ESR: 0 Ω Package: 0805
Cbulk	Nichicon	LLS2G221MELA	Cap: 220 μ F Total Derated Cap: 440 μ F VDC: 400 V ESR: 904 m Ω Package: 25x35mm
Ccs	AVX	04025A471JAT2A	Cap: 470 pF Total Derated Cap: 470 pF VDC: 50 V ESR: 0 Ω Package: 0402
Cout1	TDK	B41896C6227M000	Cap: 220 μ F Total Derated Cap: 1.3 mF VDC: 50 V ESR: 74 m Ω Package: 10x20mm
Cref	MuRata	GRM155R71C104KA8	Cap: 100 nF Total Derated Cap: 100 nF VDC: 16 V ESR: 1 m Ω Package: 0402
Csnub	Vishay-Vitramon	VJ2220Y224KBEAT4X	Cap: 220 nF Total Derated Cap: 220 nF VDC: 500 V ESR: 1 m Ω Package: 2220
Ct	Kemet	C0805C102J1GACTU	Cap: 1 nF Total Derated Cap: 1 nF VDC: 100 V ESR: 25 m Ω Package: 0805
Cvdd	Chemi-Con	EMVY350ADA4R7MD	Cap: 4.7 μ F Total Derated Cap: 4.7 μ F VDC: 35 V ESR: 3 Ω Package: D55
D12	Diodes Inc.	MMSZ5248B-7-F	Type: SMT VRWM: 18 V
D21	Infineon Technolog	BAS1602VH6327XTS	Type: Switching VRRM: 80 V Io: 250 mA
Dac	Diodes Inc.	GBJ2510-F	Type: Switching-Bridge VRRM: 1 kV Io: 25 A
Daux	CUSTOM	CUSTOM	Type: ? VRRM: 310.37 V Io: 40 mA
Dsec	CUSTOM	CUSTOM	Type: ? VRRM: 425.41 V Io: 15 A
Dsec2	CUSTOM	CUSTOM	Type: ? VRRM: 425.41 V Io: 15 A
Dsnub	Bourns	CD214C-F3600	Type: Ultrafast VRRM: 600 V Io: 3 A
M1	Infineon Technolog	SPA20N60C3XKSA1	VdsMax: 600 V IdsMax: 20.7 Amps
O1	Fairchild Semicond	FOD817A	CTR_Min: 80.0% CTR_Max: 160.0% IcMax: 50 mA
Qsc	STMicroelectronics	2N2222A	IcRated: 800 mA HfeMin: 0 Vcbo: 75 V
R11	Yageo	RC0201FR-0710KL	Resistance: 10 k Ω Tolerance: 1.0% Power: 50 mW
R12	Yageo	RC0201FR-0710KL	Resistance: 10 k Ω Tolerance: 1.0% Power: 50 mW
R13	Vishay-Dale	CRCW04024K99FKED	Resistance: 4.99 k Ω Tolerance: 1.0% Power: 63 mW

R21	Yageo	RC0201FR-0715K4L	Resistance: 15.4 k Ω Tolerance: 1.0% Power: 50 mW
R22	Vishay-Dale	CRCW04022M87FKED	Resistance: 2.87 M Ω Tolerance: 1.0% Power: 63 mW
Raux	Vishay-Dale	CRCW040210R0FKED	Resistance: 10 Ω Tolerance: 1.0% Power: 63 mW
Rbias	Vishay-Dale	CRCW060310K5FKEA	Resistance: 10.5 k Ω Tolerance: 1.0% Power: 100 mW
Rcs	Vishay-Dale	CRCW04021K00FKED	Resistance: 1 k Ω Tolerance: 1.0% Power: 63 mW
Rdrv	Vishay-Dale	CRCW120611R0FKEA	Resistance: 11 Ω Tolerance: 1.0% Power: 250 mW
Rfbb	Vishay-Dale	CRCW04024K99FKED	Resistance: 4.99 k Ω Tolerance: 1.0% Power: 63 mW
Rfbt	Vishay-Dale	TNPW040232K0BEED	Resistance: 32 k Ω Tolerance: 0.1% Power: 63 mW
Rled	Yageo	RC0201FR-0712K1L	Resistance: 12.1 k Ω Tolerance: 1.0% Power: 50 mW
Rsc	Vishay-Dale	CRCW04023K48FKED	Resistance: 3.48 k Ω Tolerance: 1.0% Power: 63 mW
Rsns	CUSTOM	CUSTOM	Resistance: 114.69 m Ω Tolerance: 0.0% Power: 0 W
Rsnub1	CUSTOM	CUSTOM	Resistance: 2.23 k Ω Tolerance: 0.0% Power: 0 W
Rsnub2	CUSTOM	CUSTOM	Resistance: 2.23 k Ω Tolerance: 0.0% Power: 0 W
Rstartup1	Panasonic	ERJ-8ENF2373V	Resistance: 237 k Ω Tolerance: 1.0% Power: 250 mW
Rstartup2	Panasonic	ERJ-8ENF2373V	Resistance: 237 k Ω Tolerance: 1.0% Power: 250 mW
Rt	Vishay-Dale	CRCW040213K7FKED	Resistance: 13.7 k Ω Tolerance: 1.0% Power: 63 mW
T1	Core=Wurth Elektr	Core=150-2171 Coil	Core Type: ERL35 Core Material: TP4A Turns Ratio(Nps): 30:12
U1	Texas Instruments	UCC28C44QDRQ1	
VR	Texas Instruments	TL431IDBVR	IkMin: 400 mA InitialAccuracy: 1.5% ReferenceOutput: 2.5 V