

Bill of Materials

Reference	Qty	Part Number	Description	Package	Manufacturer
C105	1		NC/470nF/50V		
C132, C133	2	TMK107BJ105KA-T	1 μ F/25V/X5R	0603	TAIYO YUDEN
C205, C206, C4033, C4044, C4059	5	GRM188R71H104KA93D	100nF/50V/X7R	0603	muRata
C703	1	C2012X7R1H224K125AA	220nF/50V/X7R	0805	TDK
C704	1	UMK212B7105KG-T	1 μ F/25V/X7R	0805	TAIYO YUDEN
C4020	1	UMK212B7105KG-T	1 μ F/50V/X7R	0805	TAIYO YUDEN
C4038, C4061, C4062	3		10 μ F/50V/X7R	1210	muRata
C4042, C4043	2		NC/10 μ F/50V/X7R	1210	muRata
C4045, C4060	2	C2012X5R1C226KT0001	22 μ F/X5R/16V	0805	TDK
C4046, C4047	2	GRM32E61E226KE15L	22 μ F/25V/X5R	1210	muRata
C4048	1	35YXG220MEFC8X16	220 μ F/35V	徑向	Rubycon
C4049	1		NC/1nF/50V	0603	
C4050, C4051, C4052, C4053	4	C3216X5R1H106K160AB	10 μ F/50V/X5R	1206	TDK
C4056	1		NC/4.7nF/50V	0603	
C4057	1	0603B682K500CT	6.8nF/50V/X7R	0603	WALSIN
C4058	1		NC/180pF/50V	0603	
C4063	1		NC/4.7nF/50V	0603	
C4064	1		NC/1nF/50V	0603	
C4065, C4066	2	0603N100J500CT	10pF/50V/NPO	0603	WALSIN
C4067, C4068	2	0603B471K500CT	470pF/50V/X7R	0603	WALSIN
C4069, C4070	2	0603B272K500CT	2.7nF/50V/X7R	0603	WALSIN
CN411	1	121U-3CST-09CR	USB Type-C 3.1	9.87x9.75mm	JEM (建舜電子)
CN601	1		POWER_JACK_B_TYPE-3PIN	PWR_JACK_B_360B	
D2, D3	2	MM5Z2V7	MM5Z2V7	SOD-523	SECOS
D7	1	BZG05C27	BZG05C27	SMA/DO-214AC	Vishay
D8	1		NC		
D11, D12, D13, D14	4	SX34	SX34	SMA/DO-214AC	PANJIT
D17	1	AZ4520-01F	AZ4520-01F	1.6x1.0mm	Amazing
L403	1	M10A1509MT-C	15 μ H	L-M104L	Nichtek
L404	1	NR8040T4R7N	4.7 μ H	L-8x8	TAIYO YUDEN
LED401, LED402, LED403, LED408	4	LNL-191SUR	LED_RED-0603	LED-0603	LighTop
PMOS14	1	FDN352AP	FDN352AP	SOT-23-3/TO-236	FAIRCHILD
Q28, Q29, Q30, Q31	4	2N7002K	2N7002K	SOT-23	PANJIT
Q404, Q405, Q406	3	DMG4435SSS	DMG4435SSS	SOIC-8	DIODES
R8, R9, R10	3	RTT031001FTP	1k	0603	RALEC

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R101, R102, R104	3	WR06X22R0FTL	22	0603	WALSIN
R103, R707, R4053, R4062, R4064, R4067, R4069, R4071, R4075, R4076, R4077, R4078, R4079, R4081, R4082, R4209, R4216, R4217, R4218, R4219	20	WR06X000 PTL	0	0603	WALSIN
R129, R147	2	3520680RJT	680	2512	TE Connectivity
R144, R708, R4070	3	WR06X1004FTL	1M	0603	WALSIN
R145, R4048, R4058, R4068, R4074, R4080, R4196, R4210, R4212, R4213, R4214, R4215	12	WR06X1002FTL	10k	0603	WALSIN
R204, R666, R668, R705	4	WR06X1003FTL	100k	0603	WALSIN
R654	1	WR06W1R00FTL	1	0603	WALSIN
R667	1	WR06X2001FTL	2k	0603	WALSIN
R4049	1	WR06X3002FTL	30k	0603	WALSIN
R4054	1	WR06X4022FTL	40.2k	0603	WALSIN
R4057	1	WR06X6204FTL	60.4k	0603	WALSIN
R4060	1	RTT031693FTP	169k	0603	RALEC
R4061	1	WR06X4702FTL	47k	0603	WALSIN
R4063	1	WR06X1202FTL	12k	0603	WALSIN
R4065	1	WR06X8201FTL	8.2k	0603	WALSIN
R4066, R4208	2	WR06X5101FTL	5.1k	0603	WALSIN
R4199	1	WR06X7502FTL	75k	0603	WALSIN
R4200	1	WR06X2402FTL	24k	0603	WALSIN
R4220	1	RTT035112FTP	51.1k	0603	RALEC
R4221	1	WR06X1602FTL	16k	0603	WALSIN
R4222	1	WR06X8452FTL	84.5k	0603	WALSIN
SW1, SW2, SW602	3	HTS6601H	Reset	TACT-BTN	High-Tronics
SW601	1	DS-41T1B1A1QN	SW-SPDT	27.69x8.13x5.08x 2.54mm	YUAN CHIN
U01	1	RT1715WSC	USB Type-C PD Controller	WL-CSP-9L 1.38x1.34 (BSC)	Richtek
U2	1	HT85F2280	HT85F2280	LQFP7_48L	HOLTEK
U404	1	RT7272BGSP	DC-DC Converter	PSOP-8	Richtek
U405	1	RT2875BQGCP	Step-Down Converter	TSSOP-14	Richtek
U702	1	RT9068-50GFP	Linear Regulator	MSOP-8	Richtek
Y1	1	HC-49S	12MHz	HC-49S	AKER
ZD404, ZD405	2	BZT52B22	BZT52B22	SOD-123	VISHAY