

part	id	desc	part number
Input			
Power In	X1	2.1mm barrel jack	PJ-037BH
USB Jack	X6	Micro USB SMD	10118194-0001LF
Input Cap	C1	10uF X7R 25V 10% 1206	CL31B106KAHNNNE
Input Cap	C2	0.1uF X7R 25V 10% 0603	CL10B104KA8NNNC
Output			
Power Out	X2	USB A Female	87520-0010BLF
Power Out	X3	10A Screw Terminals	1776275-2
Output Cap	C10	0.1uF X7R 25V 10% 0603	CL10B104KA8NNNC
Output Cap	C11	220uF 16V 20% Can	UUR1C221MCL6GS
Output Cap	C12	220uF 16V 20% Can	UUR1C221MCL6GS
Power Management			
Power Manager	U1	TI BQ25895	BQ25895RTWR
Battery Connector	X4	JST XH 3A Male	S2B-XH-A(LF)(SN)
Battery Connector	X5	10A Screw Terminals	1776275-2
PMID Cap 1	C3	10uF X7R 25V 10% 1206	CL31B106KAHNNNE
PMID Cap 2	C4	0.1uF X7R 25V 10% 0603	CL10B104KA8NNNC
BTST Cap	C5	47nF X7R 25V 10% 0603	CL10B473KA8NFNC
Battery Cap	C6	10uF X7R 25V 10% 1206	CL31B106KAHNNNE
Battery Cap	C7	0.1uF X7R 25V 10% 0603	CL10B104KA8NNNC
Inductor	L1	1uH 6A/12A Shieled 30%	VLS6045EX-1R0N
REGN Cap	C8	4.7uF X7R 25V 10% 1206	CL31B475KAHNNNE
TS Res 1	R4	10k 0603 1%	RC0402FR-0710KL
TS Red 2	R5	10k 0603 1%	RC0402FR-0710KL
I2C			
SDA Pull Up	R1	10k 0603 1%	RC0402FR-0710KL
SCL Pull Up	R2	10k 0603 1%	RC0402FR-0710KL
INT Pull Up	R3	10k 0603 1%	RC0402FR-0710KL
5 Pin Female Header	X7	4 x 2.54mm pitch	PPTC041LFBN-RC
Boost			
5.1V Boost	U2	Microchip 4.8A Boost	MIC2876-AYMT-T5
Voltage Divider R2	R6	931k 0603 1%	RC0603FR-07931KL
Voltage Divider R3	R7	200k 0603 1%	RC0603FR-07200KL
PG R1	R8	931k 0603 1%	RC0603FR-07931KL
Inductor	L2	1uH 6A/12A Shieled 30%	VLS6045EX-1R0N
Input/ VSYS Cap	C13	0.1uF X7R 25V 10% 0603	CL10B104KA8NNNC
Input/ VSYS Cap	C14	0.1uF X7R 25V 10% 0603	CL10B104KA8NNNC
Input/ VSYS Cap	C15	220uF 16V 20% Can	UUR1C221MCL6GS
PW Res	R9	10k 0603 1%	RC0402FR-0710KL
PW SW1	SW1	Power Switch	JS202011JCQN

/CE Res	R13	10k 0603 1%	RC0402FR-0710KL
Brains			
Stat LED1	LED1	Green 2mA	LG L29K-F2J1-24-Z
Stat LED2	LED2	Red 2mA	LS L29K-G1H2-1-Z
Stat NMOS	U3	0.26A NMOS	NTR5103NT1G
VBUS LED	LED3	Green 2mA	LG L29K-F2J1-24-Z
VOUT LED	LED4	Green 2mA	LG L29K-F2J1-24-Z
Stat LED R1	R10	2k 0603 1% - LED1	RC0603FR-072KL
Stat LED R2	R11	2k 0603 1% - LED2	RC0603FR-072KL
VBUS LED R1	R12	2k 0603 1% - LED3	RC0603FR-072KL
VOUT LED R1	R14	2k 0603 1% - LED3	RC0603FR-072KL