

## ProfilePCB(beta): Bill of Materials – 2021/Nov/14

Reference(s)	Qty	Value	Footprint	MPN	DigikeyPN	MF	Note
C1,2,3,4,5	5	0.1uF	2012Metric	GCM21BR72A104KA37	490-4789-1-ND	Murata	
C6	1	2.2uF	2012Metric	GRM21BR71E225KE11	490-14467-1-ND	Murata	
C7,8	2	22uF	2012Metric	GRM21BR61C226ME44	490-10747-1-ND	Murata	
CN2	1	Conn_01x08	P2.54mm	FH-1x8SG/RH	952-2271-ND	Useconn	DigikeyPN has replace to similar parts. (e.g. MPN by Useconn)
CN3	1	Conn_01x10	P2.54mm	FH-1x10SG/RH	952-1843-ND	Useconn	
CN4	1	Conn_01x04	P2.54mm	FH-1x4SG/RH	952-2266-ND	Useconn	
CN5	1	Conn_01x06	P2.54mm	FH-1x6SG/RH	952-2270-ND	Useconn	
CN6,8	2	Conn_01x03	P2.54mm	FH-1x3SG/RH	952-2264-ND	Useconn	
CN7	1	Conn_01x07	P2.54mm	FH-1x7SG/RH	952-3301-ND	Useconn	
CN9	1	Conn_01x02	P2.54mm	FH-1x2SG/RH	952-2262-ND	Useconn	
D1	1	RB160MM-30	SOD-123F	RB160MM-30	RB160MM-30CT-ND	Rohm	
F1	1	MF-MSMF050-2	4532Metric	MF-MSMF050-2	MF-MSMF050-2CT-ND	Bourns	
L1	1	BLM21PG331	2012Metric	BLM21PG331SN1D	490-5988-1-ND	Murata	
LED1	1	ON	2012Metric	PG1112H-TR	404-1021-1-ND	Stanley	
LED2	1	L	2012Metric	PG1112H-TR	404-1021-1-ND	Stanley	
LED3	1	RX	2012Metric	PG1112H-TR	404-1021-1-ND	Stanley	
LED4	1	TX	2012Metric	PG1112H-TR	404-1021-1-ND	Stanley	
R1,2,3,4	4	1kΩ	2012Metric	ERJ-6GEYJ102V	P1.0KACT-ND	Panasonic	
R5,6,7	3	10kΩ	2012Metric	ERJ-6GEYJ103V	P10KACT-ND	Panasonic	
SW1	1	PTS526 SM15	see Datasheet	PTS526 SM15	CKN12220-1-ND	C&K	
U1	1	CH340K	ESSOP-10	CH340K	N/A	WCH	Implemented PTH for hand-soldering.
U2	1	STM32F303K8T6	LQFP-32	STM32F303K8T6	497-15828-ND	STMicro	
U3	1	XC6220B331M	SOT-23-5	XC6220B331M	893-1133-1-ND	Torex	
X1	1	CSTNE12M	see Datasheet	CSTNE12M0G520000R0	N/A	Murata	BTO in Digikey.
XC1	1	USB_A_PCB	see PCBDesign	N/A	N/A	N/A	