

Variant: 001
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PSIL061 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		PSIL061	Any	Printed Circuit Board	
2	C1, C4	2	1uF	C1005JB1V105K050BC	TDK	CAP, CERM, 1 uF, 35 V, +/- 10%, JB, 0402	0402
3	C2, C3, C6	3	0.1uF	C1608X7R1H104K080AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	0603
4	C5	1	2.2uF	GCM188R70J225KE22D	MuRata	CAP, CERM, 2.2 uF, 6.3 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
5	D1, D3	2	Red	APHHS1005SURCK	Kingbright	LED, Red, SMD	0402
6	D2	1	Green	150060GS75000	Würth Elektronik	LED, Green, SMD	LED_0603
7	D4	1	30V	NSR20F30NXT5G	ON Semiconductor	Diode, Schottky, 30 V, 2 A, 2-XFDFN	2-XFDFN
8	J1	1		DX07P024MJ1R1500	JAE Electronics	Plug, USB3.1, TYPE-C, R/A, SMT	Plug, USB3.1, TYPE-C, R/A, SMT
9	J2, J3	2		632723300011	Würth Elektronik	Connector, Receptacle, USB Type C, R/A	Connector, Receptacle, USB Type C, R/A, THT/SMT
10	R1, R2, R3	3	10.0k	ERJ-2RKF1002X	Panasonic	RES, 10.0 k, 1%, 0.1 W, 0402	0402
11	R4	1	24.9k	CRCW040224K9FKED	Vishay-Dale	RES, 24.9 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
12	R5	1	66.5k	CRCW040266K5FKED	Vishay-Dale	RES, 66.5 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
13	R6, R7	2	5.1k	CRCW04025K10JNED	Vishay-Dale	RES, 5.1 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
14	R8, R10, R12, R14	4	0	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
15	S1, S2, S3, S4	4		B3U-1000P	Omron Electronic Components	SWITCH TACTILE SPST-NO 0.05A 12V	3x1.6x2.5mm
16	U1, U2	2		TPD6S300ARUKR	Texas Instruments	USB Type-C Port Protector: Short-to-VBUS Overvoltage and IEC ESD Protection, RUK0020B (WQFN-20)	RUK0020B
17	U3	1		TPS70933DRVR	Texas Instruments	150-mA, 30-V, Ultra-Low IQ, Wide Input Low-Dropout Regulator with Reverse Current Protection, DRV0006A (WSON-6)	DRV0006A
18	FID1, FID2, FID3, FID4, FID5, FID6	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
19	R9, R11, R13, R15	0	0	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	0402

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