

PSIL084 REV A Bill of Materials



Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	P1A	1		PSE184	TI	Printed Circuit Board	
2	C1	1	0.01uF	88501220089	Wurth Elektronik	CAP, CERAM 0.01 uF, 50 V, +/-10%, X7R, 0603	0603
3	C2	1	3300pF	0404188SC1H32JX010	MuRata	CAP, CERAM 3300 pF, 50 V, +/-5%, C0G/NP0, 0603	0603
4	C3	1		0404188SC1H32JFA160	MuRata	1206F 11% 32V Ceramic Capacitor C03, NP0 1206 (1208 Metric)	1206
5	C4, C17, A, C17, B, C17, C, C18, C20, A, C20, B, C20, C, C21, A, C21, B, C21, C, C22, A, C22, B, C22, C, C23, A, C23, B, C23, C, C24, A, C24, B, C24, C, C25, A, C25, B, C25, C, C26, A, C26, B, C26, C, C27, A, C27, B, C27, C, C28, C29	31	0.1uF	C301207R2A104K125AA	TDK	CAP, CERAM 0.1 uF, 100 V, +/-10%, X7R, 0805	0805
6	C5, C6, C10, C11, C12, C16, A, C16, B, C16, C	8	0.1uF	88501236095	Wurth Elektronik	CAP, CERAM 0.1 uF, 50 V, +/-10%, X7R, 0603	0603
7	C8, C15, C19, C29	4	1uF	0404181CR72A109KA01K	MuRata	CAP, CERAM 1 uF, 100 V, +/-10%, X7R, AEC-Q200 Grade 1, 1206	1206
8	C7	1	10uF	88501220708	Wurth Elektronik	CAP, CERAM 10 uF, 10 V, +/-10%, X7R, 0805	0805
9	C9	1	1uF	040418108MKNWVC	Samsung	CAP, CERAM 1 uF, 16 V, +/-20%, X7R, 0603	0603
10	C13, C14	2	0.01uF	88501220501	Wurth Elektronik	CAP, CERAM 0.01 uF, 16 V, +/-10%, X7R, 0402	0402
11	D1, A, D1, B, D1, C, D2, A, D2, B, D2, C, D3, A, D3, B, D3, C, D4, A, D4, B, D4, C	12	TV	CD434A-SR70	Bourns	ESD Suppressor Diode Arrays, TV, SMD	3.0x1x1.22x1.4
12	F1, A, F1, B, F1, C, F2, A, F2, B, F2, C, F3, A, F3, B, F3, C, F4, A, F4, B, F4, C, F5, A, F5, B, F5, C, F6, A, F6, B, F6, C, F7, A, F7, B, F7, C, F8, A, F8, B, F8, C	24		C15 1.5	Bel Fuse	Fuse, 1.5 A, 63VAC/VDC, SMD	1206
13	J1	1		HSW-112-07-G-D	Samtec	Header, 100mil, 12x2, Gold, TH	12x2 Header
14	J2	1		HSW-110-07-G-D	Samtec	Header, 100mil, 10x1, Gold, TH	10x1 Header
15	J3	1		HSW-102-07-G-D	Samtec	Header, 100mil, 2x2, Gold, TH	2x2 Header
16	J4, C, J4, B, J4, C, J4, A, J5, B, J5, C	6	100u	HSW-108-09-G-D	Samtec	Header, 100mil, 8x2, Gold, TH	8x2 Header
17	L1	1	150uH	74492151	Wurth Elektronik	Inductor, Shielded Drum Core, Ferrite, 150 uH, 0.36 A, 0.005 ohm, SMD	SMD, 2-Leads, Body 8.8x5.8mm
18	L2, A, L2, B, L2, C, L3, A, L3, B, L3, C, L4, A, L4, B, L4, C, L5, A, L5, B, L5, C, L6, A, L6, B, L6, C, L7, A, L7, B, L7, C, L8, A, L8, B, L8, C, L9, A, L9, B, L9, C	34	600 ohm	MP21608S601A12D25	TDK	Power Res, 600 ohm @ 100 MHz, 1 A, 0603	0603
19	U1	1		HT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H, 10,000 per roll	Full Label 0.650 x 0.200 inch
20	Q1, A, Q1, B, Q1, C, Q2, A, Q2, B, Q2, C, Q3, A, Q3, B, Q3, C, Q4, A, Q4, B, Q4, C, Q5, A, Q5, B, Q5, C, Q6, A, Q6, B, Q6, C, Q7, A, Q7, B, Q7, C, Q8, A, Q8, B, Q8, C	24	100V	CS01953K03A	Texas Instruments	MOSFET, N-CH, 100 V, 5 A, DM6008A (VDSOP-8)	DM6008A
21	R1	1	150k	CR040420150KFKED	Vishay-Dale	RES, 150 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
22	R2	1	150k	CR040420150KFKED	Vishay-Dale	RES, 150 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
23	R3, R8, R14, R17, R18	5	10.0k	CR04042010KFKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
24	R4	1	130k	CR040420130KFKED	Vishay-Dale	RES, 130 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
25	R5	1	0	RC0603JR-070RL	Yageo	RES, 0 ohm, 0.1 W, 0603	0603
26	R6	1	1.50k	CR040420150KFKED	Vishay-Dale	RES, 1.50 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
27	R7	1	6.04k	CR0404200604KFKED	Vishay-Dale	RES, 6.04 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
28	R9, R13, R16, R16, R37, R38	6	4.7k	CR04042047KFKED	Vishay-Dale	RES, 4.7 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
29	R10, R11, R12, R19, A, R19, C, R20, A, R20, B	7	0	ERJ2GE0R00X	Panasonic	RES, 0 ohm, 0.1 W, AEC-Q200 Grade 0, 0402	0402
30	R21, A, R21, B, R21, C, R23, A, R23, B, R23, C, R25, A, R25, B, R25, C, R27, A, R27, B, R27, C, R29, A, R29, B, R29, C, R31, A, R31, B, R31, C, R33, A, R33, B, R33, C, R35, A, R35, B, R35, C	34	0.2	RL12205-R20-F	Sutsumo Co Ltd	RES, 0.2, 1%, 0.333 W, 0805	0805
31	SH-J1, SH-J2	2	1x2	0PCL0251AN	Sullins Connector Solutions	Shunt, 100mil, Flash Gold, Black	2x040 Top 100mil Shunt
32	TP1	1	PSE_3_3V	0000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
33	TP2	1	VPWR	0000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
34	TP3, TP4, TP14, TP19	4	GND	0001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
35	TP5	1	3.3V, SD0	0000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
36	TP6	1	RESET	0003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
37	TP7	1	OSS	0003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
38	TP8	1	INT	0003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
39	TP9	1	SDA	0003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
40	TP10	1	SDI	0003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
41	TP11	1	PSE_RST	0002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
42	TP12	1	PSE_OSS	0002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
43	TP13	1	PSE_INT	0002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
44	TP15	1	GND, SD0	0001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
45	TP16	1	PSE_SCL	0002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
46	TP17	1	PSE_SDA	0002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
47	TP18	1	PSE_SDA_O	0002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
48	U1	1		LM5017MRXNOPB	Texas Instruments	7.5-100V Wide Vin, 600mA Constant On-Time Synchronous Buck Regulator, DCM0088B (SOP-8)	DCM0088B
49	U2	1		ISO773PFOBQ	Texas Instruments	High-Speed, Robust EMC Triple-Channel Digital Isolators, DBQ0016A (SSOP-16)	DBQ0016A
50	U3	1		ISO774IBQQR	Texas Instruments	High-Speed, Robust EMC Quad-Channel Digital Isolators, DBQ0018A (SSOP-16)	DBQ0018A
51	U4	1		SN7ALVC1607CKR	Texas Instruments	Single Buffer/Driver With Open-Drain Output, DCK0005A, LARGE T&R	DCK0005A
52	U5, A, U5, B, U5, C	3		TPSE1882RTOR	Texas Instruments	High-Power, 8-Channel, Power-Over-Ethernet PSE With 200-mA SENSE, RT00056E (VQFN-66)	RT00056E
53	PDI, PDI2, PDI3, PDI4, PDI5, PDI6	0	N/A		N/A	Fiducial mark. There is nothing to buy or mount.	N/A
54	R15, B, R20, C	0	0	ERJ2GE0R00X	Panasonic	RES, 0 ohm, 0.1 W, AEC-Q200 Grade 0, 0402	0402
55	R22, A, R22, B, R22, C, R24, A, R24, B, R24, C, R26, A, R26, B, R26, C, R28, A, R28, B, R28, C, R30, A, R30, B, R30, C, R32, A, R32, B, R32, C, R34, A, R34, B, R34, C, R36, A, R36, B, R36, C	0	0.51	CR040805-FX-RS10ELF	Bourns	RES, 0.51, 1%, 0.25 W, 0805	0805