

AMPS084 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		AMPS084	Any	Printed Circuit Board	
2	C1, C4, C12, C13, C15, C24, C25, C26	8	22pF	06035A220JAT2A	AVX	CAP, CERM, 22 pF, 50 V, +/- 5%, COG/NP0, 0603	0603
3	C2, C3	2	10uF	C3216X7R1E106M160AE	TDK	CAP, CERM, 10 uF, 25 V, +/- 20%, X7R, 1206_190	1206_190
4	C7, C9, C10, C17, C19, C20	6	1uF	08055C105KAT2A	AVX	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 0805	0805
5	C11, C21	2		GCE21BR71H104KA01L	Murata	0.1uF ±10% 50V Ceramic Capacitor X7R 0805 (2012 Metric)	0805
6	D1, D2, D3	3	6V	MMSZ5233BS-7-F	Diodes Inc.	Diode, Zener, 6 V, 200 mW, SOD-323	SOD-323
7	H1, H2, H3, H4	4		PMSSS 440 0025 PH	B&F Fastener Supply	MACHINE SCREW PAN PHILLIPS 4-40	Machine Screw, 4-40, 1/4 inch
8	H5, H6, H7, H8	4		2203	Keystone		HEX STANDOFF 4-40 ALUMINUM 1/2 inch
9	J1, J2, J3	3		575-4	Keystone	Standard Banana Jack, Uninsulated, 5.5mm	Keystone_575-4
10	J4, J6, J8, J17, J20, J22, J24, J25, J33	9		5-1814832-1	TE Connectivity	SMA Straight PCB Socket Die Cast, 50 Ohm, TH	SMA Straight PCB Socket Die Cast, TH
11	J5, J7, J10, J11, J16, J18, J21, J23, J26, J28, J34, J35	12		TSM-103-01-L-SV	Samtec	Header, 100mil, 3x1, Gold, SMT	Samtec_TSM-103-01-X-SV
12	J12, J13, J14, J15, J29, J30, J31, J32	8		TSM-102-01-L-SV	Samtec	Header, 100mil, 2x1, Gold with Tin Tail, SMT	2x1 Header
13	P1, P2	2		TSM-104-01-L-SV-P-TR	Samtec		HDR4
14	R1, R3, R9, R13, R19, R20, R28, R31, R34, R41, R51, R58, R60	13		ERJ-3GEY0R00V	Panasonic	0 Ohms Jumper 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Automotive AEC-Q200 Thick Film	0603
15	R2, R30, R52	3	2.00k	RG1608P-202-B-T5	Susumu Co Ltd	RES, 2.00 k, 0.1%, 0.1 W, 0603	0603
16	R4, R37, R61	3	200k	RG1608P-204-B-T5	Susumu Co Ltd	RES, 200 k, 0.1%, 0.1 W, 0603	0603
17	R8, R29, R45	3	1.00k	CRCW08051K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
18	R10, R14, R15, R18, R24, R25, R26, R27, R35, R39, R40, R44, R46, R47, R50, R53, R54, R55, R56, R57	20	10.0k	RCG060310K0FKEA	Vishay Draloric	RES, 10.0 k, 1%, 0.1 W, 0603	0603
19	R11, R36, R42	3	100	CRCW0805100RFKEA	Vishay-Dale	RES, 100, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
20	R33, R59	2	20.0k	RG1608P-203-B-T5	Susumu Co Ltd	RES, 20.0 k, 0.1%, 0.1 W, 0603	0603
21	SH-J1, SH-J2, SH-J3, SH-J4, SH-J5, SH-J6, SH-J7	7	1x2	SPC02SYAN	Sullins Connector Solutions	Shunt, 100mil, Flash Gold, Black	Closed Top 100mil Shunt
22	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP20, TP21, TP22, TP23, TP24, TP25	25		5016	Keystone	Test Point, Compact, SMT	Testpoint_Keystone_Compact
23	U1, U2	2		OPA3S328RGR	Texas Instruments	40-MHz CMOS Operational Amplifier With Switches, RGR0020A (VQFN-20)	RGR0020A
24	C5, C6, C14, C22, C23	0	1000pF	C0603C102J5GACTU	Kemet	CAP, CERM, 1000 pF, 50 V, +/- 5%, COG/NP0, 0603	0603
25	C8, C16, C18	0	0.1uF	C1206C104M5RACTU	Kemet	CAP, CERM, 0.1 uF, 50 V, +/- 20%, X7R, 1206	1206
26	D4, D5, D6, D7, D8, D9	0	820nm	SFH 2701	OSRAM	High Speed PIN Photodiode, SMD	3.2x1.5mm
27	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
28	J9, J19, J27	0		5-1814832-1	TE Connectivity	SMA Straight PCB Socket Die Cast, 50 Ohm, TH	SMA Straight PCB Socket Die Cast, TH
29	R5, R6, R7, R17, R21, R22, R23, R32, R48, R49	0	1.00k	RG1608P-102-B-T5	Susumu Co Ltd	RES, 1.00 k, 0.1%, 0.1 W, 0603	0603
30	R12, R38, R43	0	10.0k	CRCW120610K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.25 W, 1206	1206
31	R16	0	10.0k	RT0603BRD0710KL	Yageo America	RES, 10.0 k, 0.1%, 0.1 W, 0603	0603