

SLHR008 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1		SLHR008	Any	Printed Circuit Board	
2	C1	1	0.12uF	08055C124KAT2A	AVX	CAP, CERM, 0.12 uF, 50 V, +/- 10%, X7R, 0805	0805
3	C2, C11	2	330uF	T530X337M010ATE006	Kemet	CAP, Tantalum Polymer, 330 uF, 10 V, +/- 20%, 0.006 ohm, 7343-43 SMD	7343-43
4	C6, C12	2	10uF	GRM31CR61H106KA12L	MuRata	CAP, CERM, 10 uF, 50 V, +/- 10%, X5R, 1206	1206
5	C7, C13	2	0.1uF	12065C104JAT2A	AVX	CAP, CERM, 0.1 uF, 50 V, +/- 5%, X7R, 1206	1206
6	C14, C16, C17	3	0.1uF	08053C104JAZ2A	AVX	CAP, CERM, 0.1 uF, 25 V, +/- 5%, X7R, 0805	0805
7	C15, C18	2	2000pF	12065A202JAT2A	AVX	CAP, CERM, 2000 pF, 50 V, +/- 5%, C0G/NP0, 1206	1206
8	H1, H2, H3, H4	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
9	H5, H6, H7, H8	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
10	J1, J2, J4, J5	4		131-5031-00	Tektronix	Compact Probe Tip Circuit Board Test Points, TH, 25 per	TH Scope Probe
11	J3, J11, J12	3		HTSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	Header, 100mil, 2x1, TH
12	J9	1		TSW-103-07-G-S	Samtec	Header, 100mil, 3x1, Gold, TH	3x1 Header
13	J25, J26	2		39544-3004	Molex	Terminal Block, 4x1, 5.08mm, TH	4x1 Terminal Block
14	LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650 x 0.200 inch
15	R1, R2	2	100k	RT0805BRD07100KL	Yageo America	RES, 100 k, 0.1%, 0.125 W, 0805	0805
16	R3	1	14.9k	RT0805BRD0714K9L	Yageo America	RES, 14.9 k, 0.1%, 0.125 W, 0805	0805
17	R4	1	11.1k	PTN0805E1112BST1	Vishay Thin Film	RES, 11.1 k, 0.1%, 0.2 W, 0805	0805
18	R5	1	33.0k	RG2012P-333-B-T5	Susumu Co Ltd	RES, 33.0 k, 0.1%, 0.125 W, 0805	0805
19	R6	1	5.76k	CRCW08055K76FKEA	Vishay-Dale	RES, 5.76 k, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
20	TP1, TP8, TP13, TP14	4		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
21	TP2, TP3, TP4, TP5, TP6, TP7, TP9, TP10, TP11, TP12, TP15	11		5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
22	U1	1		TPSH2201HKR/EM	Texas Instruments	Radiation Hardened 7-V, 6-A Load Switch, HKR0016A (CFP-16)	HKR0016A
23	C3, C4, C5, C8, C9, C10, C20, C21, C22, C23, C26, C27, C28, C29	0	330uF	T530X337M010ATE006	Kemet	CAP, Tantalum Polymer, 330 uF, 10 V, +/- 20%, 0.006 ohm, 7343-43 SMD	7343-43
24	C19	0	0.12uF	08055C124KAT2A	AVX	CAP, CERM, 0.12 uF, 50 V, +/- 10%, X7R, 0805	0805
25	C24, C30	0	10uF	GRM31CR61H106KA12L	MuRata	CAP, CERM, 10 uF, 50 V, +/- 10%, X5R, 1206	1206
26	C25, C31	0	0.1uF	12065C104JAT2A	AVX	CAP, CERM, 0.1 uF, 50 V, +/- 5%, X7R, 1206	1206
27	C32, C34, C35	0	0.1uF	08053C104JAZ2A	AVX	CAP, CERM, 0.1 uF, 25 V, +/- 5%, X7R, 0805	0805
28	C33, C36	0	2000pF	12065A202JAT2A	AVX	CAP, CERM, 2000 pF, 50 V, +/- 5%, C0G/NP0, 1206	1206
29	C37, C38	0	1000pF	C0805C102J5RACTU	Kemet	CAP, CERM, 1000 pF, 50 V, +/- 5%, X7R, 0805	0805
30	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
31	J6, J7, J8, J10, J18, J19, J20, J22	0		575-4	Keystone	Standard Banana Jack, Uninsulated, 5.5mm	Keystone_575-4
32	J13, J14, J16, J17	0		131-5031-00	Tektronix	Compact Probe Tip Circuit Board Test Points, TH, 25 per	TH Scope Probe
33	J15, J23, J24	0		HTSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	Header, 100mil, 2x1, TH
34	J21	0		TSW-103-07-G-S	Samtec	Header, 100mil, 3x1, Gold, TH	3x1 Header
35	J27, J28	0		39544-3004	Molex	Terminal Block, 4x1, 5.08mm, TH	4x1 Terminal Block
36	R7, R8, R9, R10	0	0	RC6432J000CS	Samsung	RES, 0, 5%, 1 W, 2512	2512
37	R11, R12, R13, R14, R21, R22	0	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
38	R15, R16	0	100k	RT0805BRD07100KL	Yageo America	RES, 100 k, 0.1%, 0.125 W, 0805	0805
39	R17	0	14.9k	RT0805BRD0714K9L	Yageo America	RES, 14.9 k, 0.1%, 0.125 W, 0805	0805
40	R18	0	11.1k	PTN0805E1112BST1	Vishay Thin Film	RES, 11.1 k, 0.1%, 0.2 W, 0805	0805
41	R19	0	33.0k	RG2012P-333-B-T5	Susumu Co Ltd	RES, 33.0 k, 0.1%, 0.125 W, 0805	0805
42	R20	0	5.76k	CRCW08055K76FKEA	Vishay-Dale	RES, 5.76 k, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
43	R23, R24	0	10.0k	MCU08050C1002FP500	Vishay/Beyschlag	RES, 10.0 k, 1%, 0.2 W, 0805	0805
44	SH-J1, SH-J2, SH-J3, SH-J4, SH-J5, SH-J6, SH-J7, SH-J8	0	1x2	SPC02SYAN	Sullins Connector Solutions	Shunt, 100mil, Flash Gold, Black	Closed Top 100mil Shunt
45	TP16, TP23, TP28, TP29	0		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
46	TP17, TP18, TP19, TP20, TP21, TP22, TP24, TP25, TP26, TP27, TP30	0		5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
47	U2	0		TPSH2201HKR/EM	Texas Instruments	Radiation Hardened 7-V, 6-A Load Switch, HKR0016A (CFP-16)	HKR0016A