

MAX5882EV Kit Bill Of Materials

Item	Reference	Qty	Value	Tolerance	Description	Part Number	Manufacturer
1	C1, C2	2	100pF	±5%	0402 Ceramic Capacitor, SMT, 50V	C1005C0G1H101J	TDK
2	C3, C4, C12, C13, C52	5	0.1µF	±20%	0402 Ceramic Capacitor, SMT, 10V	C1005X5R1A104M	TDK
3	C5, C6, C7, C8, C24- C31, C50	13	1.0µF	±20%	0402 Ceramic Capacitor, SMT, 6.3V	EEEFTV151XAP	PANASONIC
4	C14, C15, C16, C48	4	47µF	±20%	C-Case Tantalum Capacitor, SMT, 16V	TPSC476M016R0350	AVX
5	C17-C23, C49	8	10µF	±20%	0805 Ceramic Capacitor, SMT, 6.3V	C2012X5R0J106M	TDK
6	C32 –C47, C53-C61	25	0.1µF	±20%	0201 Ceramic Capacitor, SMT, 6.3V	C0603X5R0J104M	TDK
7	C51	1	0.01µF	±10%	0402 Ceramic Capacitor, SMT, 25V	C1005X5R1E103K	TDK
8	CLK, OUT	2	-	-	PC edge mount 0.92" SMA Connector	32K243-40ML5	Rosenberger
9	H1, H2	2	-	-	Vertical 2x60 surface mount high speed socket connectors	QSH-060-01-L-D-A	Samtec
10	J1	1	-	-	2x4 pin header(Cut to Fit)	PEC36SAAN	Sullins Electronic Corp.
11	JU1, JU2	2	-	-	2-pin headers (Cut to Fit)	PEC36SAAN	Sullins Electronic Corp.
12	JU3, JU5	2	-	-	4-pin headers (Cut to Fit)	PEC36SAAN	Sullins Electronic Corp.
13	JU4	1	-	-	3-pin headers (Cut to Fit)	PEC36SAAN	Sullins Electronic Corp.
14	L1, L2, L3, L6	1	-	-	1812 Chip bead cores, SMT	EXC-CL4532U1	PANASONIC
15	L4, L5	2	390nH	±5%	2520 wire-wound chip inductors, SMT, 0.47A	1008CS-391XJLB	Coilcraft

16	R3, R4	2	49.9 Ohm	±1%	0402 chip resistors, SMT		
17	R5	1	499 Ohm	±1%	0402 chip resistor, SMT		
18	R6	1	2.0 kOhm	±1%	0603 chip resistor, SMT		
19	R7-R10	4	10.0 kOhm	±1%	0603 chip resistor, SMT		
20	R15	1	100 Ohm	±1%	0603 chip resistor, SMT		
21	R17, R18	2	27 kOhm	±1%	0402 chip resistor, SMT		
22	T1-T5	5	-	-	1:1 3000MHz RF transformers	TC1-1-13M+	Mini-Circuits
23	VDD1.8, ACLKDIV, AVDD3.3, AVCLK	4	-	-	PC Test point, red	5000	Keystone Electronics
24	GND	4	-	-	PC Test point, black	5001	Keystone Electronics
25	U1	1	-	-	14-Bit, 4.6Gsps, digital-to- analog converter (256 CSBGA)	MAX5882UXF+D	Maxim
27	U2	1	-	-	1.25V precision voltage reference, 8 SO	MAX6161AESA+, MAX6161BESA+	Maxim
28	U3	1	-	-	SPDT Analog Switches, 6 SOT23	MAX4644EUT	Maxim
29	U4	1	-	-	3.3V LVDS Clock Driver, 16 MLF	SY89876LMG (Top Mark 876L)	Micrel
30	1 Oz Impedance Controlled	1	-	-	PCB: MAX5882 Evaluation Kit+	EPCB5882+	Maxim
31	Package	7	-	-	Shunts (J1, JU1-JU5)	STC02SYAN	Sullins Electronic Corp.
32	Package	1	-	-	FMC ADAPTER CARD	MAXDACFMCADP1	Maxim