



**TITLE** CY8CKIT-142 PSoC 4 BLE Module  
**PCA #** 121-60159-01 Rev 04  
**SCH #** 630-60191-01 Rev 04  
**DATE** 12/10/2014

Item	Qty	Reference	Value	Description	Mfr_Name	Mfr_Part_Number	Sub Allowed	ROHS	UL Certified
1	1	600-60195-01	-	PSoC 4 BLE Module printed circuit board	Cypress qualified vendor	600-60195-01 Rev03	No	Yes	Yes
2	8	C1,C3,C5,C7,C9,C11,C16,C18	0.1 uF	CAP .1UF 16V CERAMIC Y5V 0402	Samsung Electro-Mechanics America, Inc	CL05F104Z05NNNC	ASK	Yes	Yes
3	10	C2,C4,C6,C8,C10,C12,C15,C17,C19,C20	1.0 uF	CAP CERAMIC 1.0UF 25V X5R 0603 10%	TDK Corporation	C1608X5R1E105K080AC	ASK	Yes	Yes
4	1	C21	2200 pF	CAP CER 2200PF 50V 5% NPO 0805	Murata Electronics	GRM2165C1H222JA01D	ASK	Yes	Yes
5	1	C22	10000 pF	CAP CER 10000PF 50V 5% NPO 0805	Murata Electronics	GRM2195C1H103JA01D	ASK	Yes	Yes
6	1	C23	36 pF	CAP CER 36PF 50V 5% NPO 0402	Murata Electronics	GRM1555C1H360JA01D	ASK	Yes	Yes
7	1	C24	18 pF	CAP CER 18PF 50V 1% NPO 0402	Murata Electronics	GRM1555C1H180FA01D	ASK	Yes	Yes
8	1	C14	1.5 pF	CAP CER 1.5PF 50V NPO 0402	Johanson Technology Inc	500R07S1R5BV4T	ASK	Yes	Yes
9	1	J1	HEADER 24	CONN HEADR FEMALE 24POS .1" DL AU	Sullins Connector	SFH11-PBPC-D12-ST-BK	ASK	Yes	Yes
10	1	J2	HEADER 20	CONN HEADR FEMALE 20POS .1" DL AU	Sullins Connector	SFH11-PBPC-D10-ST-BK	ASK	Yes	Yes
11	1	L1	6.8nH	CER INDUCTOR 6.8NH 0402	Johanson Technology Inc	L-07C6N8JV6T	ASK	Yes	Yes
12	3	L2,L3,L4	330 Ohm @100 MHz	FERRITE CHIP 330 OHM 0805	Murata Electronics	BLM21PG331SN1D	ASK	Yes	Yes
13	1	U1	PSoC 4BLE	56 QFN PSoC 4 BLE	Cypress Semiconductor	CY8C4247LQI-BL483	ASK	Yes	Yes
14	1	Y1	32.768KHz	CRYSTAL 32.768KHZ 12.5PF SMD	ECS Inc	ECS-.327-12.5-34B	ASK	Yes	Yes
15	1	Y2	24MHz	CRYSTAL 24.000 MHZ 8PF SMD	ECS Inc	ECS-240-8-36CKM	ASK	Yes	Yes
16	1	LBL	-	LBL, PCA Label, Vendor Code, Datecode, Serial Number 121-60159-01 Rev 04 (YYWWVVXXXX)	Cypress qualified vendor	-	ASK	Yes	Yes

**No Load components**

17	1	C13	1.2 pF	CAP CER 1.2PF 50V NPO 0402	Johanson Technology Inc	500R07S1R2BV4T	ASK	Yes	Yes
18	1	C25	100pF	CAP CER 100PF 50V 10% X7R 0603	Kemet	C0603C101K5RACTU	ASK	Yes	Yes
19	1	R1	Zero Ohm	RES 0.0 OHM 1/10W JUMP 0603	TE Connectivity	1623094-1	ASK	Yes	Yes
20	1	R2	Rbleed	No Load	-	-	ASK	Yes	Yes
21	1	R3	4.7K	RES 4.7K OHM 1/10W 5% 0603 SMD	Panasonic - ECG	ERJ-3GEYJ472V	ASK	Yes	Yes
22	1	J3	4 HEADER	CONN HEADER 4POS .100 R/A 15AU	FCI	68016-204HLF	ASK	Yes	Yes
23	4	TP1,TP2,TP3,TP4	RED	TEST POINT 43 HOLE 65 PLATED RED	Keystone Electronics	5000	ASK	Yes	Yes
24	1	TP5	BLACK	TEST POINT 43 HOLE 65 PLATED BLACK	Keystone Electronics	5001	ASK	Yes	Yes