

Drawing Type BILL OF MATERIALS

Drawing Title OPT8241-CDK-EVM IB 10-50\_REV2P0V1

Drawing Number -

Assembly Revision 2P0V1

Release Date 5/11/2015

Item	Quantity	Reference	Part	Manufacturer	Manufacturer Part Number	PCB Footprint
1	1	B1	BLM31PG121SN1L	Murata	BLM31PG121SN1L	indc1206
2	4	B2,B3,B4,B5	BK1005HS100-T	Taiyo Yuden	BK1005HS100-T	indc0402
3	0	B6	DNP	Taiyo Yuden	BK1005HS100-T	indc0402
4	2	C1,C2	1.5mF	Kemet	T520H158M006ATE055	CT7360-20
5	10	C3,C4,C5,C6,C7,C8,C9,C10, C11,C46	100nF	TDK	C1608X7R1E104K080AA	CC0603
6	1	C12	100pF	TDK	C0603C0G1E101J030BA	CC0201
7	8	C13,C34,C35,C36,C37,C41, C47,C54	100nF	TDK	C0603X5R1E104K030BB	CC0201
8	0	C14,C15,C24	DNP	TDK	C0603X5R1E104K030BB	CC0201
9	0	C16	DNP	TDK	C0603X5R0G105M030BC	CC0201
10	0	C17,C22	DNP	Taiyo Yuden	UMK063BJ103KP-F	CC0402
11	0	C18	DNP	Taiyo Yuden	UMK063BJ103KP-F	CC0201
12	0	C19	DNP	TDK	C1608X5R1A226M080AC	CC0603
13	0	C20	DNP	TDK	C1608X5R1H105K080AB	CC0603
14	0	C21	DNP	TDK	C1608X7R1E154K080AA	CC0603
15	0	C23	DNP	TDK	C1608X7R1A225K080AC	CC0603
16	0	C25	DNP	TDK	C1608C0G1H102G080AA	CC0603
17	1	C33	22uF	TDK	C1608X5R1A226M080AC	CC0603
18	3	C38,C40,C51	10nF	TDK	C0603JB1A103K030BA	CC0201
19	1	C39	1uF	TDK	C0603X5R0G105M030BC	CC0201
20	1	C48	470pF	TDK	CGA1A2X7R1C471K030BA	CC0201
21	0	C49	DNP	Taiyo Yuden	UNINSTALLED	CC0805
22	0	C50	DNP	TDK	C0603X7R1E331K030BA	CC0201
23	1	C52	10nF	Johanson	160X07W103MV4T	RF_CAP
24	1	C53	47pF	Johanson	250R05L470GV4T	CC0201
25	0	D1,D2,D3,D4,D5,D8	DNP	OSRAM	SFH 4715S	LED_SFH_4715S_cus
26	0	D6	DNP	NXP	BAP65-02,115	DIO_SOD-523
27	0	D7	DNP	DIODES INCORPORATED	DDZ10BSF-7	DIO_SOD-323FL
28	0	D9	DNP	Panasonic	DB2430700L	DIO_TMINIP2-F2-B
29	4	D11,D12,D13,D16	22045498	JDSU	22045498	DIODE_22045498_CUS
30	1	D14	BAP65-02	NXP	BAP65-02,115	DIO_SOD-523
31	1	D15	DDZ3V9BSF-7	DIODES INCORPORATED	DDZ3V9BSF-7	DIO_SOD-323FL

32	1	D18	APT1608SURCK	Kingbright	APT1608SURCK	APT2012MGC
33	1	J1	SHF-112-01-L-D-RA	SAMTEC	SHF-112-01-L-D-RA	SAMTEC_SHF-112-01-L-D-RA
34	0	J2	DNP	3M	951106-4620-AR-PR	3M_951106-4620-AR-PR
35	0	L1	DNP	Taiyo Yuden	BRC2518T1R0M	indc1007
36	0	L2	DNP	Würth Electronics	74404064033	ind_74404064033
37	1	L5	510nH	Taiyo Yuden	BRL3225TR51M	INDC1210
38	0	MH1,MH2,MH3,MH4	DNP			NPTH_118
39	1	R3	200k	Panasonic	ERJ-1GEJ204C	RC0201
40	0	R4,R6,R17,R20,R41,R44	DNP	Panasonic	ERJ-1GEF1002C	RC0201
41	0	R5,R63,R66	DNP	Panasonic	ERJ-1GEJ202C	RC0201
42	0	R7	DNP	Panasonic	ERJ-3GEYJ102V	RC0603
43	0	R8	DNP	Panasonic	ERJ-8GEY0R00V	RC1206
44	0	R9	DNP	Panasonic	ERJ-1GEF4990C	RC0201
45	0	R10	DNP	Panasonic	ERJ-8CWFR025V	RC1206
46	0	R11	DNP	Panasonic	ERJ-1GEF4750C	RC0201
47	0	R12	DNP	Panasonic	ERJ-1GEF24R9C	RC0201
48	0	R13	DNP	Panasonic	ERJ-1GEJ203C	RC0201
49	0	R14	DNP	Panasonic	ERJ-1GEF1052C	RC0201
50	0	R15	DNP	Panasonic	ERJ-1GEJ204C	RC0201
51	0	R16,R18	DNP	Panasonic	ERJ-1GEF1242C	RC0201
52	0	R19	DNP	Panasonic	ERJ-1GEF1692C	RC0201
53	0	R26	DNP	Panasonic	ERJ-1GN0R00C	RC0201
54	6	R27,R28,R29,R33,R36,R50	10k	Panasonic	ERJ-1GEF1002C	RC0201
55	1	R30	0	Panasonic	ERJ-3GEY0R00V	RC0603
56	0	R31,R32	DNP	Vishay Dale	CRCW060349K9FKEA	RC0603
57	1	R34	0	Panasonic	ERJ-8GEY0R00V	RC1206
58	1	R35	2k	Panasonic	ERJ-1GEJ202C	RC0201
59	2	R38,R55	0	Panasonic	ERJ-1GN0R00C	RC0201
60	2	R51,R52	2.2k	Panasonic	ERJ-1GEJ222C	RC0201
61	1	R53	51.1k	Panasonic	ERJ-1GEF5112C	RC0201
62	1	R54	113k	Panasonic	ERJ-1GEF1133C	RC0201
63	1	R57	51	Panasonic	ERJ-1GEJ510C	RC0201
64	0	R58	DNP	Panasonic	ERJ-3GEY0R00V	RC0603
65	1	R59	0	Panasonic	ERJ-3GEY0R00V	RC0603
66	1	R61	30	Panasonic	ERJ-1GEJ300C	RC0201
67	2	R64,R65	30	Panasonic	ERJ-1GEJ300C	RC0201
68	1	U1	PCA9306DQER	Texas Instruments	PCA9306DQER	son35p100x140x40-8n
69	0	U2	DNP	Texas Instruments	SN74LVC2T45YZPR	BGA8C50P2X4_89X189X50
70	0	U3	DNP	Texas Instruments	TMP103BYFFR	bga4c40p2x2_76x76x63
71	0	U4	DNP	Texas Instruments	CSD16301Q2	SON65P200X200X85-8
72	2	U5,U16	CSD17578Q3A	Texas Instruments	CSD17578Q3A	SON_CSD17578Q3A
73	0	U6,U8	DNP	Texas Instruments	CSD13381F4	DFN100X60X35-3N
74	0	U7	DNP	Texas Instruments	LM3429MH/NOPB	SOP65P640X110-15N
75	0	U9	DNP	Texas Instruments	TPL0102-100RUCR	SOP65P580X120-14

76	1	U12	TPS2559	Texas Instruments	TPS2559DRCR	son50p300x300x100-11na
77	1	U13	SN74LVC2T45	Texas Instruments	SN74LVC2T45YZPR	BGA8C50P2X4_89X189X50
78	1	U14	TMP103C	Texas Instruments	TMP103CYFFR	bga4c40p2x2_76x76x63
79	1	U15	CSD16301Q2	Texas Instruments	CSD16301Q2	SON65P200X200X85-8
80	1	U17	CSD13381F4	Texas Instruments	CSD13381F4	DFN100X60X35-3N
81	1	U18	TPL0102-100RUCR	Texas Instruments	TPL0102-100RUCR	SOP65P580X120-14
82	1	U20	SN74AHC1G04	Texas Instruments	SN74AHC1G04DRLR	SOT553
83	1	U21	CAT24C02HU4IGT3A	ON SEMI	CAT24C02HU4IGT3A	son50p200x300x55-9n
84	1	U22	TLV3502	Kemet	TLV3502	SOT23-8
85	1	U23	SN74LVC1G86	Texas Instruments	SN74LVC1G86DRLR	SOT553
86	0	X1	DNP	Texas Instruments	CSD17308Q3	SON_CSD17308Q3
87	1	R37	1k	Panasonic	ERJ-3GEYJ102V	RC0603
88	2	R60,R67	200	Panasonic	ERJ-1GEF2000C	RC0201
89	1	-	OPT8241-CDK-EVM IB 10-50_REV	Krypton	OPT8241-CDK-EVM IB 10-50_	-
90	1	-	Hot touch label	-	-	-