

Bill of Materials

TI DESIGNS

TIDC-WL1837-AUDIO-MULTIROOM-CAPE

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number
1	2	C100,C101	10U	CAP ALUM 10UF 16V 20% SMD	NICHICON	UWX1C100MCL2GB
2	18	10,C111,C112,C113,C114,C116,C117,	100N	CERCAP SM 100N 10V 0402 X5R	EPCOS	B37621K8104K060
3	6	C108,C115,C120,C121,C122,C124	100P	CERCAP SM 100P 50V 0402 C0G	EPCOS	GRM1555C1H101JA01D
4	1	C109	10n	CERCAP SM 10N 50V 0402 X7R	MURATA	GRM155R71H103KA88D
5	2	C126,C127	10p	CERCAP SM 10P 50V 0402 NP0	MURATA	GRM1555C1H100JA01D
6	14	36,C137,C138,C141,C142,C143,C144,	10U	CAP CER 10UF 10V Y5V 0805	TAIYO YUDEN	LMK212F106ZG-T
7	2	C133,C134	2u2	CAP CER 2.2UF 25V 10% X7R 0805	TAIYO YUDEN	TMK212B7225KG-TR
8	2	C139,C140	22u	CAP CER 22UF 10V 20% X5R 0805	TAIYO YUDEN	LMK212BJ226MG-T
9	1	C145	1u0	CAP CER 1UF 25V 10% X7R 0603	MURATA	GRM188R71E105KA12D
10	2	C146,C147	4u7	CAP CER 4.7UF 6.3V 10% X5R 0603	MURATA	GRM188R60J475KE19J
11	2	C148,C149	2n2	CERCAP SM 2N2 50V 0603 NP0	MURATA	GRM1885C1H222JA01D
12	2	CON008,CON009	N/A		GRADCONN	BB02-KT462-K02-C00000
13	2	CON100,CON107	N/A		Harwin Inc.	2_54SB_HEADER
14	2	CON101,CON108	N/A	CONN HEADER FEMALE 4POS .1" TIN	Sullins Connector Solutions	CONN HEADER FEMALE
15	2	CON102,CON103	N/A	CONN JACK STEREO R/A 3PIN 3.5MM	CUI INC	SJ1-3533NG
16	1	CON104	N/A		Harwin Inc.	
17	2	CON105,CON106	N/A	COM SM UFL-R-SMT	HIROSE	UFL-R-SMT
18	1	CON109	N/A	CONN HEADER VERT SGL 4POS GOLD	N/A	CONN HEADER MALE
19	1	D100	LED BLUE	LED BLUE RECT CLEAR 0603	LITE ON	LTST-C194TBKT
20	1	D101	LED WHITE	LED WHITE 0603 SMD	VISHAY	VLMW1300-GS08
21	1	D102	N/A	DIODE_SCHOTTKY_BAT54	NXP	BAT54
22	3	FID100,FID101,FID102	N/A	FIDUCIAL_MARK_1_3	N/A	N/A
23	3	J100,J104,J105	0R0	RST JMP SM 0R 0.063W 0402	MATSUSHITA	ERJ2GEY0R00X
24	3	J101,J106,J108	0R0	RST JMP SM 0R 0.063W 0402	MATSUSHITA	ERJ2GEY0R00X
25	2	J102,J109	0R0	RST JMP SM 0R0 0.1W 0603	YAGEO	RC0603JR-070RL
26	2	J103,J107	0R0	RST JMP SM 0R0 0.1W 0603	YAGEO	RC0603JR-070RL
27	2	JP100,JP101	N/A	JUNCTION_POINT_1MM	SUE	N/A
28	10	L100,L101,L102,L103,L104,L105,L106,	N/A	FERRITE CHIP 220 OHM 2200MA 0603	MURATA	BLM18KG221SN1D
29	1	L110	N/A	FIXED IND 10UH 60MA 650 MOHM SMD	TAIYO YUDEN	CK2125100M-T
30	1	LOGO100	N/A		N/A	N/A
31	1	LOGO101	N/A		N/A	N/A
32	2	MOUNTINGHOLE100,MOUNTINGHOL	N/A		N/A	N/A
33	2	MOUNTINGHOLE102,MOUNTINGHOL	N/A		N/A	N/A
34	2	MOUNTINGHOLE104,MOUNTINGHOL	N/A		N/A	N/A
35	33	99 R100,R101,R121,R128,R131,R139,R1 40,R151,R152,R153,R154,R158,R159, R160,R161,R167,R168,R174,R175,R1 76,R177,R178,R179,R181,R182,R183, R185,R191,R192,R193,R195,R197,R1	33	RST FXD SM 33R 0.1W 0402 PM5	YAGEO	RC0402JR-0733RL
36	15	R102,R103,R104,R105,R106,R107,R1 08,R109,R169,R170,R171,R172,R184, R186,R187	22	RST FXD SM 22R 0.1W 0402 PM5	YAGEO	RC0402JR-0722RL

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number
37	6	R110,R114,R120,R143,R145,R200	1k0	RST FXD SM 1K 0.063W 0402 PM5	YAGEO	RC0402JR-071KL
38	2	R111,R112	150k	RST FXD SM 150K 0.063W 0402 PM5	YAGEO	RC0402JR-07150KL
39	13	R113,R115,R116,R117,R118,R119,R124,R127,R150,R155,R162,R163,R190	10k	RST FXD SM 10K 0.063W 0402 PM5	YAGEO	RC0402JR-0710KL
40	1	R122	150	RST FXD SM 150R 0.063W 0402 PM5	YAGEO	RC0402JR-07150RL
41	1	R123	390	RST FXD SM 390R 0.063W 0402 PM5	YAGEO	RC0402JR-07390RL
42	2	R125,R126	100k	RST FXD SM 100K 0.063W 0402 PM5	YAGEO	RC0402JR-07100KL
43	4	R129,R156,R201,R202	10k	RST FXD SM 10K 0.063W 0402 PM5	YAGEO	RC0402JR-0710KL
44	2	R130,R146	1.5k	RST FXD SM 1.5K 0.063W 0402 PM5	YAGEO	RC0402JR-071K5L
45	3	R132,R135,R136	4k7	RST FXD SM 4K7 0.063W 0402 PM5	YAGEO	RC0402JR-074K7L
46	2	R133,R134	4K7	RST FXD SM 4K7 0.063W 0402 PM5	YAGEO	RC0402JR-074K7L
47	4	R137,R138,R149,R157	100	RST FXD SM 100R 0.063W 0402 PM5	YAGEO	RC0402JR-07100RL
48	2	R141,R166	47	RST FXD SM 47R 0.063W 0402 PM5	YAGEO	RC0402JR-0747RL
49	2	R142,R144	1k0	RST FXD SM 1K 0.063W 0402 PM5	YAGEO	RC0402JR-071KL
50	2	R147,R148	470	RST FXD SM 470R 0.063W 0402 PM5	YAGEO	RC0402JR-07470RL
51	2	R164,R165	12k	RST FXD SM 12K 0.1W 0402 PM5	YAGEO	RC0402JR-0712KL
52	7	R173,R180,R188,R189,R194,R196,R198	33	RST FXD SM 33R 0.1W 0402 PM5	YAGEO	RC0402JR-0733RL
53	10	TP101,TP102,TP103,TP104,TP105,TP106,TP107,TP108,TP109,TP110	N/A		N/A	N/A
54	1	U100	N/A	IC GATE NAND 1CH 2-INP SOT-25	DIODES Incorporated	74AHC1G00W5-7
55	2	U101,U102	N/A	IC 8BIT NON-INV TRANSLTR 20TSSOP	TI	TXS0108EPWR
56	2	U103,U104	N/A	TRANS NPN GP 100MA 45V SOT23	NXP	BC847B
57	1	U105	N/A	INFORMATION RESTRICTED TO MFI LICENCEES	INFORMATION RESTRICTED TO MFI LICENCEES	INFORMATION RESTRICTED TO MFI LICENCEES
58	1	U106	3.3V 1.5A	IC REG LDO 3.3V 1.5A SOT223-6	TI	TL1963A-33DCQ1
59	1	U107	1.8V 0.4A	IC REG LDO 1.8V 0.4A SOT23-5	TI	TPS73618DBVT
60	1	U108	N/A	WiLink8 Dual-Band Industrial Module with BT	TI	WL1837MOD
61	1	U110	256KBIT	IC EEPROM 256KBIT 400KHZ 8SOIC	ONSEMI	CAT24C256WI-GT3
62	1	U111	N/A	IC CLK GENERATOR	SILICON LABS	SI5351A
63	1	U112	N/A	STEREO A/D CONVERTER	TI	PCM1808
64	1	U113	N/A	IC DAC AUDIO STER 2VRMS 20TSSOP	TI	PCM5101AQPWRQ1
65	1	X100	25MHz	OSC TCXO 25.000MHZ HCMOS SMD	Fox Electronics	FOX924B-25.000
66	1	X101	32.768kHz	OSC XO 32.768KHZ CMOS SMD	TXC	7XZ-32.768KDA-T

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