

Item	RefDes	Description	Manufacturer	Manufacturer's Part Number
1	PCB1	PCB	Exception PCB	CDBWM8281-M-1-REV1
2	U3	WM8281 Low Power Audio System with Wolfson myZone Ambient Noise Cancellation and Echo Cancellation	Wolfson Microelectronics	WM8281ECS/R
3	MSC1	Grip Seal Bag, 90x115mm	CPC	PA123
4	C11 C13 C25 C26	1uF 0402 SMD Ceramic Capacitor 10V X5R	MuRata	GRM155R61A105KE15D
5	AIF1TXDAT AIF1LRCLK AIF1BCLK AIF1RXDAT AVDD DBVDD1 DCVDD GND1 GND2 GND5 GND6 GPIO1 GPIO2 GPIO3 GPIO5 GPSWA GPSWB IN1LN IN1RN IN1RP IN2LP IN1LP IN2RP IN2RN IN3RP IN3RN IN3LP IN3LN IN2LN IRQ LDOENA LDOVDD MCLK1 MCLK2 MICBIAS1 MICBIAS2 MICBIAS3 MICDET1 MICDET2 MICVDD PWR_1V8 PWR_SYSVDD RESET SLIMCLK SLIMDAT SPIMISO SPIMOSI SPISCLK SPISS SPKCLK SPKDAT	1x1 2.54mm pitch PCB Pin Header VERTICAL	Harwin	M20-9990245
6	J3 J5	1x2 PCB Pin Header 0.1" VERTICAL	Harwin	M20-9990245
7	R14 R20	8R2 SM-2 SMD Power Resistor 5% 2W	TE Connectivity	SMW28R2JT
8	J2 J4 J6	PCB mount 1X2 terminal block for 2.5mm wire guage	LUMBERG	KRM 02
9	C2 C8 C9 C16 C17	2.2uF 0402 SMD Ceramic Capacitor 6.3V X5R	Kemet	C0402C225M9PAC
10	R2 R4 R6 R8 R13 R19 R21 R22 R23 R24 R25 R26 R31 R32 R33 R36 R37 R40 R42 R43 R44 R45 R46 R47 R48 R49	0R 0402 SMD chip resistor 1% 0.063W	Multicomp	MC 0.0625W 0402 1% 0R
11	R18	Thick film Chip Resistor, 0402 1% 220R 0.063W	Multicomp	MC00625W04021220R
12	R17	Thick film Chip Resistor, 0402 1% 10K 0.063W	Multicomp	0402WGF1002TCE
13	R15 R16 R39 R41	0.1R 0402 SMD chip resistor 1% 0.063W	WELWYN	LRCS0402-0R1FT5

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14	U2	SN74AUC1G14 Single Schmitt-Trigger Inverter	Texas Instruments	SN74AUC1G14DBVR
15	R35 R38	Thick film Chip Resistor, 0402 0.5% 2K2 0.0625W	Yageo (Phycomp)	RE0402DR-072K2L
16	C5 C6 C15 C18 C20 C21 C22 C23 C24	4.7uF 0402 SMD Ceramic Capacitor 6.3V X5R	TAIYO YUDEN	JMK105BBJ475MV-F
17	U1	FDMA1024NZ Dual N-Channel Power Trench MOSFET	Fairchild	FDMA1024NZ
18	L1 L2	22uH Shielded SM Power 0.83A Inductor ' LPS4018 series'	Coilcraft	LPS4018-223ML
19	GND3 GND4	1.32mm PCB Test Terminal BLACK	Vero	20-2136
20	C19	470nF 0402 SMD Ceramic Capacitor 6.3V X5R	MuRata	GRM155R60J474KE19D
21	C3 C4 C7 C10	0.1uF 0402 SMD Ceramic Capacitor 16V X7R	MuRata	GRM155R71C104KA88D
22	R5 R7 R10 R11 R12	Thick film Chip Resistor, 0402 1% 33R 0.063W	Yageo (Phycomp)	RC0402FR-0733RL
23	LNK_J3 LNK_J5 LNK_SPARE1 LNK_SPARE2 LNK_SPARE3 LNK_SPARE4 LNK_SPARE5	0.1" OPEN JUMPER LINK YELLOW	Protech	22-3570
24	J1	3.5mm 4 Pole Jack Socket SHOGYO	Shogyo	M03-935A0
25	APJ1 APJ2	2x40 1.27mm pitch SFC Samtec SMT Header	Samtec	SFC-140-T2-F-D-A
Unpop				
26	C27 C28	10000pF 0402 SMD Ceramic Capacitor 16V X7R	AVX	0402YC103KAT2A
27	R1 R3 R27 R28 R29 R30 R34	0R 0402 SMD chip resistor 1% 0.063W	Multicomp	MC 0.0625W 0402 1% 0R
28	R9	Thick film Chip Resistor, 0402 1% 120R 0.063W	Multicomp	MC 0.0625W 0402 1% 120R
29	C1	47pF 0402 SMD Ceramic Capacitor 50V NPO	Kemet	C0402C470J5GAC
30	C12 C14	4.7uF 0402 SMD Ceramic Capacitor 6.3V X5R	TAIYO YUDEN	JMK105BBJ475MV-F
31	SP1 SP2 SP3 SP4 SP5 SP6 SP7 SP8 SP9	Surface mount shorting point	N/A	N/A