

## UCODEC-1.0 Bill of Materials

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Open Hardware DSP Platform [www.ohdsp.org](http://www.ohdsp.org)

Reference	Quantity	Footprint	Value	Description	Size	Tolerance	Type	Voltage	Power	Current
C201 C220 C301	3	SMD-0603	100p	Ceramic capacitor	0603	5%	NP0	50V		
C204 C205 C207 C210 C211 C214 C215 C224 C225 C228 C230 C305 C306 C307 C308 C726	16	SMD-0603	100n	Ceramic capacitor	0603	10%	X7R	50V		
C206 C209 C212 C216 C217 C227 C229 C727	9	SMD-0603	10n	Ceramic capacitor	0603	10%	X7R	50V		
C208	1	CAP-SMD-SIZE-D	47u	Low impedance aluminium electrolytic capacitor - Panasonic FP, FK or Similar			Case D S	16V		
C213 C302	2	CAP-SMD-SIZE-B	10u	Low impedance aluminium electrolytic capacitor - Panasonic FP, FK or Similar			Case B S	16V		
C218	1	SMD-0603	39n	Ceramic capacitor	0603	10%	X7R	50V		
C219	1	SMD-0603	2n2	Ceramic capacitor	0603	5%	C0G	50V		
C222 C226	2	SMD-0603	N/F	Ceramic capacitor	0603	5%	C0G	25V		
C203 C223 C309 C310	4	SMD-0603	22u	Ceramic capacitor	0603	20%	X5R	10V		
<del>C808</del> <del>C804</del> C607 C608 C613 C614 C619 C620 C621 C622 C627	2	SMD-0805	22u	Ceramic capacitor	0805	20%	X5R	25V		
C628	12	SMD-0603	100p	Ceramic capacitor	0603	5%	C0G	50V		
C609 C610 C611 C612 C623 C624 C625 C626 C701 C702 C703 <del>C604</del> <del>C608</del> <del>C604</del> <del>C604</del> <del>C615</del> C616 C617 C618 C705 C706 C707	16	SMD-0603	1n	Ceramic capacitor	0603	5%	C0G	50V		
C708 C709 C710 C711 C712 C717 C718 C719 C720 C721 C722 C723 C724	24	SMD-1210	1u	Acrylic capacitor	1210	20%	Acrylic	16V		
C725	1	SMD-0603	10u	Ceramic capacitor	0603	20%	X5R	10V		
D301	1	DIODE-SMA	B240A	B240A 2A 40V Schottky Rectifier - SMA (DO-214AC)						
D302	1	SMD-0603-LED	LED 0603	LED - SMD - Vf 1.8V to 2.2V	0603					
D303 D304 D305 D306	4	DIODE-SOD-123	1N5819HW	1A 40V Schottky Rectifier - SOD-123						
L201 L202 L301	3	SMD-0805	600R@100MHz	Ferrite bead, current rating 1A or higher, 600R@100MHz	0805					=>1A
P201 P406 P407	3	CONN_SIL_4_1MM	CONN_4x1	2.54mm 4 way pin header or socket						
P301	1	CONN-2WAY-2.54mm-3.81mm-SPACING	CONN_2x1	2 way screw terminal, any 2.54mm to 3.81mm pitch part						
P401 P402 P403 P405	4	CONN_SIL_5_1MM	CONN_5x1	2.54mm 5 way pin header or socket						
P601 P701 P702	3	CONN_DIL_2X04	CONN_02X04	2.54mm 2x4 way pin header or socket or direct solder						
R202	1	SMD-0603	3K32	Thick or thin film resistor	0603	1%			63mW	
R203 R205 R206 R406 R414	5	SMD-0603	N/F	Thick or thin film resistor	0603	1%			63mW	
R201 R204 R404 R405 R413 R415	6	SMD-0603	22	Thick or thin film resistor	0603	1%			63mW	
R301	1	SMD-0603	47	Thick or thin film resistor	0603	1%			63mW	
R302	1	SMD-0603	470	Thick or thin film resistor	0603	1%			63mW	
R401 R402 R403 R407 R408 R409 R410	7	SMD-0603	0	Thick or thin film resistor	0603	1%			63mW	
<del>R605</del> <del>R606</del> <del>R603</del> <del>R608</del> <del>R609</del> <del>R610</del> <del>R615</del> <del>R618</del> R701 R702 R703	8	SMD-0603	220	Thick or thin film resistor	0603	1%			63mW	
R704 R705 R706 R707 R708 R713 R714 R715 R716 R717 R718 R719 R720	24	SMD-0603	1K	Thick or thin film resistor	0603	1%			63mW	
R709 R710 R711 R712 R721 R722 R723 R724	8	SMD-0603	220K	Thick or thin film resistor	0603	1%			63mW	
R725	1	SMD-0603	100K	Thick or thin film resistor	0603	1%			63mW	
R727	1	SMD-0603	100	Thick or thin film resistor	0603	1%			63mW	
U201	1	IC-LQFP64	AD1939	Analog Devices AD1939WBSTZ - 4 ADC/8 DAC with PLL						
U301	1	IC-SOT-223	TLV1117LV33DCY	TLV1117LV 1-A, Positive Fixed-Voltage, Low-Dropout Regulator - Fixed 3V3						
U302	1	IC-SOT223-6	TPS7A4533DCQ	TI TPS7A45xx Regulator						
U701	1	IC-SOT143	CAT811TTBI	CAT811/ADM811 - 4-Pin Microprocessor Power Supply Supervisor with Manual Reset - Active Low						
X201	1	XTAL_3.2x2.5_4PIN	N/F	Not Fitted - 3.2x2.5mm crystal						