

Open Hardware DSP Platform – www.ohdsp.org
uDSP-1.0 Bill of Materials
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Reference	Quantity	Footprint	Value	Description	Type	Voltage	Size	Tolerance	Power	Current
C201	1	CAP-SMD-SIZE-B	22u	'Low impedance aluminium electrolytic capacitor - Panasonic FP, FK or Similar	'Case B S	'6V3	'	'	'	'
C203 C204 C206 C208 C210 C215 C216 C217 C218 C225 C229 C230 C233 C304 C305 C307 C404 C405 C503 C602 C605 C606	22	SMD-0603	100n	'Ceramic capacitor	'X7R	'50V	'0603	'10%	'	'
C205 C207 C209 C211 C220 C403 C603 C604	8	SMD-0603	10n	'Ceramic capacitor	'X7R	'50V	'0603	'10%	'	'
C212	1	SMD-0603	5n6	'Ceramic capacitor	'X7R	'50V	'0603	'10%	'	'
C213	1	SMD-0603	150p	'Ceramic capacitor	'C0G	'50V	'0603	'5%	'	'
C214	1	SMD-0805	10u	'Ceramic capacitor	'X5R	'10V	'0805	'20%	'	'
C219 C228 C301 C401 C501	5	SMD-0603	100p	'Ceramic capacitor	'NP0	'50V	'0603	'5%	'	'
C221 C231 C232	3	SMD-0603	10u	'Ceramic capacitor	'X5R	'10V	'0603	'10%	'	'
C222 C227	2	SMD-0603	33p	'Ceramic capacitor	'C0G	'25V	'0603	'5%	'	'
C302	1	CAP-SMD-SIZE-B	10u	'Low impedance aluminium electrolytic capacitor - Panasonic FP, FK or Similar	'Case B S	'10V	'	'	'	'
C303	1	SMD-0805	22u	'Ceramic capacitor	'X5R	'25V	'0805	'20%	'	'
C306	1	SMD-0603	22u	'Ceramic capacitor	'X5R	'10V	'0603	'20%	'	'
C310 C601	2	SMD-0603	10u	'Ceramic capacitor	'X5R	'10V	'0603	'20%	'	'
C402 C502	2	SMD-0603	22u	'Ceramic capacitor	'X5R	'10V	'0603	'10%	'	'
C504	1n	SMD-0603		'Ceramic capacitor	'X7R	'50V	'0603	'10%	'	'
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	2	DIODE-SOD-123	1N5819HW	'1A 40V Schottky Rectifier - SOD-123	'	'	'	'	'	'
FID301 FID302 FID303 FID304	4	FID-1MM-3MM	MNT_HOLE	'1mm fiducial	'	'	'	'	'	'
JP201 P601	2	CONN_SIL_2_1MM	CONN_2x1	'1x2 2.54mm pitch pin header	'	'	'	'	'	'
L301	1	SMD-0805	600R@100MHz	'Ferrite bead, current rating 1A or higher, 600R@100MHz	'	'	'0805	'	'	'=>2A
MNT301 MNT302 MNT303 MNT304	4	MNT_HOLE_3.2mm	MNT_HOLE	'3.2mm mounting hole	'	'	'	'	'	'
P201 P510 P511	3	CONN_SIL_4_1MM	CONN_4x1	'1x4 2.54mm pitch pin header	'	'	'	'	'	'
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 P506 P507 P508 P509	6	CONN_SIL_3_1MM	CONN_3x1	'1x3 2.54mm pitch pin header	'	'	'	'	'	'
P505	1	CONN_DIL_2X5_BOX_1MM	CONN_02X05	'2x5 2.54mm pitch box header	'	'	'	'	'	'
P501 P502 P503 P504 P512 P513 P514 P515	8	CONN_SIL_5_1MM	CONN_5x1	'1x5 2.54mm pitch pin header	'	'	'	'	'	'
R202 R208 R209 R210 R211 R212 R213 R216 R403 R404 R518 R519 R520 R522 R523 R524 R526 R527 R528 R530 R531 R532 R544 R545 R546 R547 R548 R549 R550 R551	30	SMD-0603	22	'Thick or thin film resistor	'	'	'0603	'1%	'63mW	'
R203 R204 R205 R502 R503 R504 R506 R507 R508 R510 R511 R512 R514 R515 R516 R535 R607	17	SMD-0603	0	'Thick or thin film resistor	'	'	'0603	'1%	'63mW	'
R206	1	SMD-0603	4k3	'Thick or thin film resistor	'	'	'0603	'1%	'63mW	'
R201 R207 R501	3	SMD-0603	1K	'Thick or thin film resistor	'	'	'0603	'1%	'63mW	'
R214 R222 R401 R533	4	SMD-0603	1	'Thick or thin film resistor	'	'	'0603	'1%	'63mW	'
R217 R220 R223 R405	4	SMD-0603	10K	'Thick or thin film resistor	'	'	'0603	'1%	'63mW	'
R219 R604 R605 R606	4	SMD-0603	100	'Thick or thin film resistor	'	'	'0603	'1%	'63mW	'
R218 R221 R225	3	SMD-0603	N/F	'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	'
R505 R509 R513 R517 R521 R525	6	SMD-0603	4K7	'Thick or thin film resistor	'	'	'0603	'1%	'63mW	'
R601	1	SMD-0603	22K	'Thick or thin film resistor	'	'	'0603	'1%	'63mW	'
R602	1	SMD-0603	11K5	'Thick or thin film resistor	'	'	'0603	'1%	'63mW	'
R603 R608	2	SMD-0603	2K2	'Thick or thin film resistor	'	'	'0603	'1%	'63mW	'
SW601	1	SW_TACT_SMD_FSMSM	FSMSM	'3.5mm x 6mm SMD tactile switch - e.g. Alcoswitch FSMSM	'	'	'	'	'	'
TP201 TP202 TP602	3	TP-1mm	PIN	Test Point SMD						
TP502	1	TP-TH-1mm	PIN	Test Point through hole						
TR201	1	IC-SOT-223	NJT4030PT3G	'On Semi NJT4030PT3G PNP Transistor (min 2W, 200hFE, 2A)	'	'	'	'	'	'
U201	1	IC-LFCSP72-HANDFIT	ADAU1452WBCPZ	'SigmaDSP Digital Audio Processor - Use ADAU1462, ADAU1466, ADAU1452, ADAU1451, or ADAU1450	'	'	'	'	'	'
U202	1	IC_SOIC_8	M95M01-RMN6TP	'1 Mbit SPI Bus Serial EEPROM - 8 pin SOIC	'	'	'	'	'	'
U301	1	IC-SOT-223	TLV1117LV33DCY	'TLV1117LV 1-A, Positive Fixed-Voltage, Low-Dropout Regulator - Fixed 3V3	'	'	'	'	'	'
U501	1	IC_SOIC_8	NB3L553	'On Semi - 1:4 Clock Fanout Buffer	'	'	'	'	'	'
U601	1	IC-SOT23-6	IC-RST-NCP308	'On Semi NCP308 SOT-23-6 TSOP-6 Supervisor	'	'	'	'	'	'
X201	1	XTAL_3.2x2.5_4PIN	24M576	'Crystal 3.2mm x 2.5mm - eg Abracon ASE-24.576MHZ-LC-T	'	'	'	'	'	'