

CEE BOM - ProdBOM

Part	PCB Name	Value	Package	Part Number	Quantity
microcontroller	IC1		QFN-44	ATXMEGA32A4U-AU	1
digital-analog convertor	DAC		SO-14	MCP4922T-E/SLCT-ND	1
female right-angle header	JP5		1x5 .1" 90deg	S5480-ND	1
opamp	OPA-C		SO-14	AD8608ARZ-ND	1
voltage reference	1.25REF	1.25V, 0.5%	SOT23-3	MAX6101EUR+TCT-ND	1
voltage reference	2.5REF	2.5V, 0.5%	SOT23-3	MAX6102EUR+TCT-ND	1
voltage regulator	3.3VREG	3.3V, 250mA, 1%	SOT23-3	MCP1700T-3302E/TT	1
led	LED1	red, 10mA, 2V	0603	859-LTST-C190EKT	1
mini USB connector	USB		miniUSB	154-15320-E	1
resistor	R5	150, 1/4w, 5%	1206	P15ECT-ND	1
resistor	R6	1300, 1/10w, 5%	0603	P130HCT-ND	1
opamp	OPA-A OPA-B			595-OPA567AIRHGT	2
opamp	CS-A CS-B		QFN-12	MAX9919FASA+	2
switch	SW-A SW-B		SO-08		2
capacitor	C15 C16	47uF, 10V, 20%	SOT23-6	296-17587-1-ND	2
capacitor	C10, C11	1nF, 50V, 5%	1206	587-1780-1-ND	2
capacitor	C21, C22	330pF, 50V, 5%	0603	445-1293-1-ND	2
resistor	RIS-A RIS-B	5.6ko, 1/10w, 5%	0603	445-1287-1-ND	2
resistor	RS-A RS-B	.07o, 1/4w, 1%	0603	P5.6KGCT-ND	2
resistor network	RN1 RN2	10ko, 1/16w, 5%	1206	WSLC-.07CT-ND	2
capacitor	C6 C7 C12	1uF, 25V, 20%	1206	Y4103CT-ND	2
resistor	R1 R2 R3 R4	10ko, 1/8w, 5%	0603	490-3895-1-ND	3
capacitor	C1 C4 C14	.1uF, 25V, 10%	0603	311-10KGRCT-ND	4
capacitor	C17 C18 C19				
capacitor	C2 C3 C5 C8				
capacitor	C9 C13	.01uF, 25V, 10%	0603	445-1316-1-ND	6
				311-1360-1-ND	6