

Materialliste Projekt 3 EIT, Team 2

Supplier: Digikey

Value	Value2	Type	Supplier - Digikey	LibRef	Footprint
47uF	50V		493-4554-1-ND	C_SMD_ALU_47U_50V_20%_PCV1H470MCL7GS	SMD_CAP_CV_8x10L
100n	50V		1276-1936-1-ND	C_SMD_CER_100N_50V_10%_X7R_0603	SMD_0603
10uF	50V		490-6544-1-ND	C_SMD_CER_10U_50V_10%_X7R_1210	SMD_1210
1uF	50V		587-2910-1-ND	C_SMD_CER_1U_50V_10%_X7R_0805	SMD_0805
4.7nF	50V		478-1223-1-ND	C_SMD_CER_4N7_50V_10%_X7R_0603	SMD_0603
100uF	50V		493-4558-1-ND	C_SMD_ALU_100U_50V_20%_PCV1H101MCL2GS	SMD_CAP_CV_10x12.7L
33nF	50V		1276-2042-1-ND	C_SMD_CER_33N_50V_10%_X7R_0603	SMD_0603
3.3nF	50V		490-1503-1-ND	C_SMD_CER_3N3_50V_10%_X7R_0603	SMD_0603
47nF	50V		1276-1063-1-ND	C_SMD_CER_47N_50V_10%_X7R_0603	SMD_0603
470nF	50V		587-3170-1-ND	C_SMD_CER_470N_50V_10%_X7R_0603	SMD_0603
10n	50V		399-1091-1-ND	C_SMD_CER_10N_50V_10%_X7R_0603	SMD_0603
10uF	16V		490-6473-1-ND	C_SMD_CER_10U_16V_10%_X5R_0805	SMD_0805
22uF	6.3V		587-3398-1-ND	C_SMD_CER_22U_6V3_20%_X5R_1206	SMD_1206
6.8nF	50V		1276-1185-1-ND	C_SMD_CER_6N8_50V_10%_X7R_0603	SMD_0603
3.3uF	35V		445-7553-1-ND	C_SMD_CER_3U3_35V_10%_X7R_0805	SMD_0805
		ACSL-6210-56RE	516-2916-1-ND	D_ACSL-6210_SO-8	SMD_SOP_8
		FT232RQ	768-1008-1-ND	D_FT232RQ	SMD_QFN-32
		DSPIC33EP16GS506	NHD-0420CW-AR3-ND	D_LCD_80CHAR_20X4_NHD-0420CW-AR3	THT_CON_P2.54_D0.9_2X10
		M3 Standoffs 20mm	DSPIC33EP16GS506-I/PT-ND	D_DSPIC33EP16GS506_TQFP-64	SMD_TQFP-64
		Blue	36-25505-ND	E_STANDOFF_20MM_M3_PLASTIC	THT_STANDOFF_20MM_M3
			VAOL-S6SB4CT-ND	H_SMD_LED_BLUE_0603	SMD_0603P
22uH	15A		732-4237-1-ND	L_SMD_22U_15A_7MOHM_20%_74435582200	SMD_INDUCT-74435582200
10uH	2A		74477710 732-1200-1-ND	L_SMD_10U_2A_20%_IND_74477710	SMD_INDUCT_74477710
4.7uH	1A		732-2956-1-ND	L_SMD_4U7_1A_20%_0806	SMD_0806
		LT3741	LT3741EUF#PBF-ND	N_LT3741EUF_QFN-20	SMD_QFN-20
36V	72W		285-1829-ND	N_EXT_ACDC_36V_75W	THT_CON_P2.54_D0.9_1X2
		LT3973	LT3973EDD-5#PBF-ND	N_LT3973-5_DFN-10-3x3	SMD_DFN_10_3X3
		AP2114H-3.3	AP2114H-3.3TRG1DICT-ND	N_AP2114H-3.3_SOT223	SMD_SOT_22_3
1.5V	7mA	ISL21080CIH315Z-TK	ISL21080CIH315Z-TKCT-ND	N_UREF_1V5_0A007_52UVRMS_ISL21080CIH315Z_SOT-23-3	SMD_SOT_23_3
		TLVH431	296-17972-1-ND	N_TLVH431_SOT23-3	SMD_SOT_23_3
4.7k	100mW		YAG1238CT-ND	R_SMD_THINFILM_4K7_0W1_1%_50PPM_0603	SMD_0603
10k	100mW		YAG2321CT-ND	R_SMD_THINFILM_10K_0W1_1%_50PPM_0603	SMD_0603
43k	100mW		P43KDBCT-ND	R_SMD_THINFILM_43K_0W1_0.1%_25PPM_0603	SMD_0603
10m	500mW		LVK12R010DERCT-ND	R_SMD_THICKFILM_0E01_0W5_0.5%_50PPM_1206	SMD_1206
47k	100mW		YAG3355CT-ND	R_SMD_THINFILM_47K_0W1_1%_50PPM_0603	SMD_0603
10E	100mW		YAG3351CT-ND	R_SMD_THINFILM_10E_0W1_1%_50PPM_0603	SMD_0603
180k	100mW		P180KDBCT-ND	R_SMD_THINFILM_180K_0W1_0.1%_25PPM_0603	SMD_0603
150k	100mW		P150KDBCT-ND	R_SMD_THINFILM_150K_0W1_1%_50PPM_0603	SMD_0603
100E	100mW		YAG2320CT-ND	R_SMD_THINFILM_100E_0W1_1%_50PPM_0603	SMD_0603
470E	0.1W		YAG2128CT-ND	R_SMD_THINFILM_470E_0W1_1%_50PPM_0603	SMD_0603
270E	0.1W		P270DBCT-ND	R_SMD_THINFILM_270E_0W1_1%_50PPM_0603	SMD_0603
150E	0.1W		P150DBCT-ND	R_SMD_THINFILM_150E_0W1_1%_50PPM_0603	SMD_0603
100k	100mW		YAG2319CT-ND	R_SMD_THINFILM_100K_0W1_1%_50PPM_0603	SMD_0603
33E	0.1W		MCT0603-33.0-CFCT-ND	R_SMD_THINFILM_33E_0W1_1%_50PPM_0603	SMD_0603
		290VAA5F201B1	CT3010-ND	U_ENCODER_2BIT_QUAD_SPST	THT_ENCODER_290VAA5F201B1
		MBR0540T1G	MBR0540T1GOSCT-ND	V_SMD_SCHOTTKY_MBR0540T1G_40V_0A5_SOD-123	SMD_SOD_123

				priceless	
50V	6A	BSC093N04LS	BSC093N04LS GCT-ND	V_SMD_FET_NMOS_BSC093N04LS_40V_13A_24NC_0E0093_PG-TDSON-8	SMD_PG-TDSON-8
			6A05DICT-ND	V_THT_DIODE_6A05-T_50V_6A	THT_6A05-T_2
		BC847B	BC847BLT1GOSCT-ND	V_SMD_TRANS_NPN_BC847B_50V_0A2_SOT-23-3	SMD_SOT_23_3
			817-1489-ND	X_POWER_ENTRY_MODULE_W/FILTER_W/FUSE_10A_SMD_CONNECTOR	SMD_CON_P5.08_W2.0_L5.0_1X3
			609-4618-1-ND	X_SMD_USB_MICRO-B_2.0	SMD_USB_MICRO_B_2.0
5A		USB Micro B		X_CONNECTOR_P2.54_D0.9_1X6	THT_CON_P2.54_D0.9_1X6
		Pitch 2.54, Diameter 0.9mm, 1 row, 3 columns		X_CONNECTOR_P2.54_D0.9_1X4	THT_CON_P2.54_D0.9_1X4
		Pitch 2.54, Diameter 0.9mm, 1 row, 3 columns		X_CONNECTOR_P2.54_D0.9_1X2	THT_CON_P2.54_D0.9_1X2
		Pitch 2.54, Diameter 0.9mm, 1 row, 2 columns		X_SWITCH_ROCKER_SPST_6A_250VAC	THT_CON_P5.08_D1.5_1X2
		Rocker Switch	360-1721-ND	Z_SMD_FERRITE_5A_60E@100MHZ_0805	SMD_0805
1.5A		MH2029-600Y	MH2029-600YCT-ND	Z_SMD_FERRITE_1A5_470E@100MHZ_0603	SMD_0603
		BLM18KG471SN1D	490-5257-1-ND		

Mechanical Components

1455T2201RD	HM1417-ND
PCB	