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100nF_35V	Capacitor [SMD]	C1, C2, C3, C4, C5, C10	C_0805	C_100nF_0805	6
4,7uF_35V	Capacitor [SMD]	C6	C_0805	C_4,7uF_0805	1
1uF_35V	Capacitor [SMD]	C7, C9	C_0805	C_1uF_0805	2
1uF_35V	Capacitor [SMD]	C8, C11	C_0603	C_1uF_0603	2
1μF	CAP CER 1UF 25V X5R 0603	C12, C13, C14, C15, C16, C17, C18, C19, C20, C21	CAP 0603_1608	CC0603KRX5R8BB105	10
SB340_DO-201AD	Diode Schottky 40V 3A [TH]	D1	DO-201AD	SB340_DO-201AD	1
MM3Z4V7C_SOD- 323F	Zener Single Diode, 4.7 V, 200 mW [SMD]	D2, D3, D4, D5, D6	SODFL2512X90N	MM3Z4V7C_SOD- 323F	5
Red	LED RED CLEAR 2SMD	D7, D9, D11, D12, D15	LED 0603_1608 RED	19- 213USRC/S259/TR8	5
Blue	LED BLUE CLEAR 2SMD	D8, D10, D13, D14, D16	LED 0603_1608 BLUE	EAST16084BA8	5
LCD_FSTN_Display	NHD-C0216CIZ-FSW- FBW-3V3 LCD Display	DS1	LCD_NHD-C0216CIZ- FSW-FBW-3V3	LCD_FSTN_Display	1
PTF0078P	Fuse holder [TH]	F1	FUSE_5x20	PTF0078P	1
4N25_DIP6	Optocoupler [TH]	IC1, IC2, IC3, IC4, IC5	DIP6	4N25_DIP6	5
OPA2197IDR_8-SOIC	Dual OP AMP [TH]	IC6, IC7, IC8, IC9, IC10	SOIC8	OPA2197IDR_8-SOIC	5
LM7805_TO220	Linear Voltage Regulator 5V [TH] with thermal pad mounted to Fischer elektronik SK09 - 20mm heatsink with a screw and nut	IC11	TO220	LM7805_TO220	1
BQ24092DGQT	IC BATT CHARGER LI- ION 10MSOP	IC12, IC13, IC14, IC15, IC16	TI PDSO-10 DCQ	BQ24092DGQT	5
2.54mm pitch	Header, 2-Pin [TH]	J1, J2, J3, J4, J5, J10, J11, J12, J15, J16	HDR_1x2_2.54mm- MALE	Header 1x2	10
2.54mm pitch	Header, 3-Pin [TH]	J6, J7, J8, J9	HDR_1X3_2.54mm- MALE	Header 1x3AB	4
5mm pitch	PCB connector, 2-Pin [TH]	J13	TERMINAL_90_5MM	Terminal 1x2	1
Header connector 1x7	Header, 7-Pin [TH]	J14	HDR_1x7_2.54mm- MALE	Header connector 1x7	1
LED_SOT23	Red LED [SMD]	LED1, LED2, LED3, LED4, LED5, LED6	LED_SOT23	LED_SOT23	6
Arduino NANO v 3.0	Microcontroller [TH]	MCU1	Arduino_Nano_V3.0	Arduino NANO v 3.0	1
2SK3065_SOT89	N Channel MOSFET [SMD]	Q1, Q2, Q3, Q4, Q5	N_MOSFET	2SK3065_SOT89	5
BC846B_SOT23	NPN transistor [SMD]	Q6, Q7, Q8, Q9, Q10, Q11, Q12	NPN_BJT_SOT23	BC846B_SOT23	7
39R_2W	Resistor [SMD]	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10	R_2512	R_39R_2512	10
10k_125mW	Resistor [SMD]	R11, R13, R15, R17, R19, R36, R38, R39, R40, R41, R42, R44, R45, R46, R47, R48, R50, R51, R52, R53, R54, R56, R57, R58, R59, R60, R63, R64, R65, R67, R68, R69, R70, R72	R_0805	R_10k_0805	34
1k_125mW	Resistor [SMD]	R12, R14, R16, R18, R20, R37, R43, R49, R55, R61	R_0805	R_1k_0805	10
100R_500mW	Resistor [SMD]	R21, R23, R25, R27, R29	R_0805	R_100R_0805	5
360R_125mW	Resistor [SMD]	R22, R24, R26, R28, R30, R66	R_0805	R_360R_0805	6
4k7_125mW	Resistor [SMD]	R31, R32, R33, R34, R35	R_0805	R_4k7_0805	5
33k_125mW	Resistor [SMD]	R62	R_0805	R_33k_0805	1
1.5 kOhms	RES SMD 1.5K OHM 1% 1/10W 0603	R71 R73, R74, R77, R78, R81, R82, R83, R84, R89, R90	R_0805 RES 0603_1608	R_120R_0805 ERJ-3EKF1501V	10
1 kOhms	RES SMD 1K OHM 5% 1/4W 0603	R75, R79, R85, R87, R91	RES 0603_1608	ERJ-PA3J102V	5
2 kOhms	RES SMD 2K OHM 5% 1/4W 0603	R76, R80, R86, R88, R92	RES 0603_1608	ERJ-PA3J202V	5
B3F-4000	SPST Push button [TH]	SW1, SW2, SW3	PUSH_BUTTON	B3F-4000	3