



















 Source Data From:
 _acap-safetyofficer.PrjPcb

 Project:
 _acap-safetyofficer.PrjPcb

 Variant:
 _None

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Footprint	Comment	LibRef	Designator	Description	Quantity
CAP_0603	Cap_0603	Cap_0603	C1, C2, C3, C4, C5, C6, C7, C8, C10, C11, C12, C13, C14, C15, C17,	Capacitor	41
			C18_U_servo1, C18_U_servo2, C18_U_servo3, C19_U_servo1,		
			C19_U_servo2, C19_U_servo3, C24_U_servo1, C24_U_servo2,		
			C24_U_servo3, C25_U_servo1,		
			C25_U_servo2, C25_U_servo3, C26_U_servo1, C26_U_servo2,		
			C26_U_servo3, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37		
CAP_0805 CAP ALUM	Cap_0805 47uF	Cap_0805	C9, C16	Capacitor	2
6.6MM	47ur	Polarised Capacitor	C22_U_servo1, C22_U_servo2, C22_U_servo3	SMT Polarised Capacitor	3
SOD123F	3.3V	Diode Zener	D1_U_external_ps_en1, D1_U_external_ps_en2	Zener Diode	2
SOD123F	18V	Diode Zener Bidirectional	D2, D3	Bidirectional Zener Diode	2
SOD123F	Diode_SOD523	Diode_SOD523	D4_U_relay1, D4_U_relay2, D4_U_relay3, D4_U_relay4, D4_U_relay5, D4_U_relay6, D4_U_relay7, D5, D6	Diode	9
LED3MM		LED3MM	D7, D8, D9, D10		4
69132110000	691321100003	691321100003	J1	WR-TBL Terminal block - serie 3211 - 3.50	1
3 69132110000	691321100002	691321100002	J2_U_external_ps_en1,	mm WR-TBL Terminal block - serie 3211 - 3.50	13
2			J2_U_external_ps_en2, J3, J4, J5, J6_U_relay1, J6_U_relay2, J6_U_relay3,	mm	
			J6_U_relay4, J6_U_relay5, J6_U_relay6,		
69132110000	691321100005	691321100005	J6_U_relay7, J8 J7_U_servo1, J7_U_servo2, J7_U_servo3	WR-TBL Terminal block - serie 3211 - 3.50	3
5 IND_0603	Ind_0603	Ind_0603	L1	mm Inductor	
Adafruit OLED 1.3	128*96 OLED	Adafruit Monochrome OLED 1.3	P1	inductor	1
INFINEON SO-8	INFINEON DUAL MOSFET P-CH SO-8	INFINEON	Q1, Q2		2
INFINEON SOT-23-3	INFINEON MOSFET N-CH SOT-23-3	INFINEON MOSFET N-CH SOT-23-3	Q3_U_relay1, Q3_U_relay2, Q3_U_relay3, Q3_U_relay4, Q3_U_relay5, Q3_U_relay6, Q3_U_relay7		7
INFINEON SOT-23-3	MOSFET N-CH	INFINEON MOSFET N-CH	Q4		1
RES_0603	Res_0603	SOT-23-3 Res_0603	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19_U_relay1, R19_U_relay3, R19_U_relay4, R19_U_relay3, R19_U_relay6, R19_U_relay6, R19_U_relay6, R29_U_relay6, R25, R26, R27, R28, R25, R26, R27, R28	Resistor	34
EXTRON CLICKY	UB2 Switch	EXTRON CLICKY	S1, S2, S3, S4, S5, S6		6
TEENSY_3.1 _ALLPINS	Footprint for Teensy 3.1 board using all pads and all through-holes. Pads need a 2x7 0.1" SMD header.	TEENSY_3.1_A LL_PINS_AND_ PADS	Teensy1		1
SOIC127P60	TCAN1051HGV	TCAN1051HGV	U1		1
0X175-8N LT-GN-24_N	CAN transceiver LTC4417HGN#T RPBF	LTC4417HGN#T RPBF	U2	Prioritized PowerPath Controller, 2.5 to 36 V Vin, 24-pin SOP (GN-24), -40 to 125	1
LMZ21701SIL	LMZ21701SIL	LMZ21701SIL	U3	degC, Pb-Free, Tape and Reel 1A SIMPLE SWITCHER Nano Module with 17V Maximum Input Voltage, SIL0008E	1
TZA11A_V	LMZ12010TZE/N OPB	LMZ12010TZE/N OPB	U4	10A, SIMPLE SWITCHER® Power Module with 20 Maximum Input, 11 pin TO-	1
TI-DRB8- 1750X1500TP _V	TPS73633DRBR	TPS73633DRBR	U5	PMOD, 250 Reel Single Output Low Noise LDO, 400 mA, Fixed 3.3 V Output, 1.7 to 5.5 V Input, with Reverse Current Protection, 8-pin SON (DRB), -40 to 85 degC, Green (RoHS & no	1
DSS12 P9X2	DRV8835 DSS	DRV8835 DSS	U6_U_servo1, U6_U_servo2, U6_U_servo3	Sb/Br)	3
TI-PWP24- 4420X1950TP	12 TLC5926QPWP	12 TLC5926QPWP RQ1	U7	Automotive Catalog 16-Bit Constant- Current LED Sink Driver, 3 to 5.5 V, -40 to	1
_N		Passive Buzzer	U8	125 degC, 24-pin SOP (PWP24), Green (RoHS & no Sb/Br)	1
SMT					143
Approved		Notes			143