

Comment	Description	Designator	Footprint	LibRef	Manufacturer	Manufacturer ID	Quantity	Resistance	Capacitance
SCH_GENERIC_CAPACITOR_0603	Generic SMD capacitor 0603	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13	PCB_GENERIC_SMD_0603	SCH_GENERIC_CAPACITOR_0603			13		0.33uF, 0.33uF, 0.33uF, 2.2uF, 2.2uF, 30pF, 30pF, 100nF, 100nF, 1uF, 1uF, 1uF
Schottky Diode		D1, D2, D3, D16, D17	ON Semi Schottky Diode - MBRM110LT1G	ON Semi Schottky Diode - MBRM110LT1G			5		
Green LED		D4	SMD_0603_LED	SMD_0603_LED			1		
Orange LED		D5	SMD_0603_LED	SMD_0603_LED			1		
Red LED		D6	SMD_0603_LED	SMD_0603_LED			1		
TriColourLED		D7	TricolourLED - SunLED - DK 1497-1225-2-ND	TriColourLED			1		
TVS Diode		D8, D9, D10, D11, D12, D13, D14, D15	TVS Diode	TVS Diode	Bourns	CDSOD323-T03SC	8		
Amphenol MicroUSB		J1	Amphenol MicroUSB	Amphenol MicroUSB - 609-4618-1-ND			1		
SWD/VCOM Header		P1	Samtec TST-110-01-G-D	SWD/VCOM Header			1		
CAN1		P2	PCB_MLX_MICROFIT_3X2	SCH_MLX_MICROFIT_3X2			1		
CAN2		P3	PCB_MLX_MICROFIT_3X2	SCH_MLX_MICROFIT_3X2			1		
Board Level Inputs	Molex Microfit Connector 4x2	P4	PCB_MLX_MICROFIT_4X2	SCH_MLX_MICROFIT_4X2			1		
Board Level Outputs	Molex Microfit Connector 4x2	P5	PCB_MLX_MICROFIT_4X2	SCH_MLX_MICROFIT_4X2			1		
12V Outputs	Molex Microfit Connector 4x2	P6	PCB_MLX_MICROFIT_4X2	SCH_MLX_MICROFIT_4X2			1		
12V Power - Outputs		P7	Molex Mini-Fit Jr 2x1	Molex Mini-Fit 1x2			1		
NMOS		Q1, Q2, Q3, Q4	NMOS - SSM3K333R - SOTFL95P180 X88-3M	NMOS - SSM3K333R			4		
SCH_GENERIC_RESISTOR_0603	Generic SMD resistor 0603	R1, R2, R3, R4, R5, R6, R7, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21	PCB_GENERIC_SMD_0603	SCH_GENERIC_RESISTOR_0603			19	100K, 150R, 150R, 150R, 56R, 5.1R, 0.1R, 100K, 100K, 100K, 100K, 1k, 100k, 1k, 100k, 1k, 100k, 1k	
CAN Termination	Generic SMD resistor 0603	R8, R9	PCB_GENERIC_SMD_0603	SCH_GENERIC_RESISTOR_0603			2	120R	
Reset Switch		SW1	Push Button Switch	PushButtonSwitch			1		
STM32F407V GT6	ARM Cortex-M4 32-bit MCU+FPU, 210 DMIPS, 1024 kB Flash, 192 kB Internal RAM, 82 I/Os, 100-pin LQFP, -40 to 85 degC, Tray	U1	STM-LQFP100_M	STM32F407V GT6	STMicroelectronics		1		
R78E-1.0 DC/DC		U2	R78-1.0	R78E-1.0			1		
RECOM RO Series		U3	RECOM RO Series 1W DCDC	RECOM RO Series DCDC Converter			1		
IC_FT232RL	FT232R USB UART	U4	SSOP-28	IC_FT232RL			1		
MCP2562		U5, U6	MCP2562	MCP2562			2		
XTAL		X1	CRYSTAL_8MH	Crystal			1		