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, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29	PCB_GENERIC_SMD_0603	SCH_GENERIC_CAPACITOR_0603			29		30pF, 30pF, 2.2uF, 2.2uF, 100nF, 0.33 uF, 0.33 uF, 0.33 uF, 0.1uF, 0.1uF, 0.1uF, 0.1uF, 0.1 uF, 0.1uF, 0.1uF, 0.1uF, 0.1uF, 0.1uF, 0.1uF, 0.1uF, 0.1uF, 0.1uF, 0.1uF, 0.1uF, 0.1uF, 0.1uF, 0.1uF, 0.1uF, 0.1uF
TriColourLED		D1	TricolourLED - SunLED - DK 1497-1225-2-ND	TriColourLED			1		
Zener Diode		D2, D3	PCBComponent_1	ON Semi Schottky Diode - MBRM110LT1G			2		
Schottky Diode		D4, D5	ON Semi Schottky Diode - MBRM110LT1G	ON Semi Schottky Diode - MBRM110LT1G			2		
RED LED		D6	SMD_0603_LED	SMD_0603_LED			1		
TVS Diode		D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29	TVS Diode	TVS Diode	Bourns	CDSOD323-T03SC	23		
SCH_MLX_1X2		P1, P2, P3, P4, P5, P15, P16	PCB_MLX_MICROFIT_1X2	SCH_MLX_1X2			7		
MLX_MICROFIT_2X2		P6, P7, P8, P13, P14	MLX_MICROFIT_2X2	MLX_MICROFIT_2X2			5		
SCH_MLX_MICROFIT_3X2		P9, P10	PCB_MLX_MICROFIT_3X2	SCH_MLX_MICROFIT_3X2			2		
SCH_MLX_MICROFIT_4X2	Molex Microfit Connector 4x2	P11	PCB_MLX_MICROFIT_4X2	SCH_MLX_MICROFIT_4X2			1		
SWD/VCOM Header - J-Link		P12	Samtec TST-110-01-G-D	SWD/VCOM Header			1		
SCH_GENERIC_RESISTOR_0603	Generic SMD resistor 0603	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49	PCB_GENERIC_SMD_0603	SCH_GENERIC_RESISTOR_0603			49	210R, 210R, 210R, 210R, 210R, 56R, 5.1R, 0.1R, 100k, 51.7K, 100K, 51.7K, 100K, [NoValue], 100K, 100K, 100K, 100K, 100K, 100K, 100K, 100K, 100K, 100K, 100K, 100K, 100K, 100K, 100K, 100K, 100K, 100K, 100K, 210R, 210R, 210R, 210R, 210R, 210R, 210R, 210R, 210R, 210R, 210R, 210R, 210R, 210R, 210R, 100K, 100K	
Reset Switch		SW1	Push Button Switch	PushButtonSwitch			1		
STM32F407VGT6	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	STM32F407VGT6	STMicroelectronics		1		
R78E-1.0 DC/DC		U3	R78-1.0	R78E-1.0			1		
RECOM RO Series		U4	RECOM RO Series 1W DCDC	RECOM RO Series DCDC Converter			1		
MCP2562		U6	MCP2562	MCP2562			1		
XTAL		X1	CRYSTAL_8MH	Crystal			1		