Comment	Description	Designator	Footprint	LibRef	Quantity
100uF	Polarized Capacitor	C1, C3, C4, C6	FP_3528	CAP_ELECT	4
470pF	Capacitor	C2, C5	FP_0805_CAP_085	CAP	2
10nF	Capacitor	C7, C8	FP_0805_CAP_085	CAP	2
1N5819		D1, D2	FP_SOD-123	DIODE	2
ZENER	Zener Diode	D3	FP_SOD-123	ZENER	1
LED	Typical RED GaAs LED	D4, D5, D6	FP_0805_LED_RED	LED	3
220uH	Inductor	L1, L2	FP_IND_MURATA3131	IND	2
10k		P1, P2	Res Trimmer TH	POTI	2
Header 4	Header, 4-Pin	P4, P8, P9, P10, P11, P15	HDR1X4	Header 4	6
Header 2	Header, 2-Pin	P5, P7	HDR1X2	Header 2	2
Header 8X2	Header, 8-Pin, Dual row	P6	HDR2X8	Header 8X2	1
Header 3	Header, 3-Pin	P13, P14, P16	HDR1X3	Header 3	3
MMBF170	N fet 60V 500mA	Q1, Q2, Q3	BBMF170	MMBF170	3
0.33R	Resistor	R1, R8	FP_0805_RES	RES	2
1M	Resistor	R2, R3	FP_0805_RES	RES	2
20k	Resistor	R4, R5	FP_0805_RES	RES	2
1K	Resistor	R6, R15, R17, R21, R23, R24, R25, R26	FP_0805_RES	RES	8
3K	Resistor	R7	FP_0805_RES	RES	1
2k4	Resistor	R9	FP_0805_RES	RES	1
10k	Resistor	R10, R13, R14, R16, R18, R19, R20, R22, R27	FP_0805_RES	RES	9
47R	Resistor	R11	FP_0805_RES	RES	1
4k02	Resistor	R12	FP_0805_RES	RES	1
xR	Resistor	R28, R29	FP_0805_RES	RES	2
SW1		SW1	FP_TACTBTN	SW1	1
STM32_F4_KIT	STM32 F4 Discovery Evaluation Kit	U1	FP_STM32F4DISC	STM32F4DISCOVERY	1
LM358	Low power dual operational amplifiers	U2	FP_SO8_MS012AA	LM358	1
MC34063A		U3, U5	FP_SO8_MS012AA	MC34063A	2
SecureDigital memory card		U4	FP_CONN_SD	SD card	1
STEVAL-MKI107V2	Three-axis digital output gyroscope	U6	STEVAL-MKI107V2 DIL24 Adapter	STEVAL-MKI107V2	1
STM BT MODULKÁRTYA	bluetooth modulkártya	U7	STM BT MODUL	STM BT MODULKÁRTYA	1
TLP281-4	Optocsatoló 4X	U8	TLP281-4	TLP281-4	1