







Comment	Description	Designator	Footprint	LibRef	Quantity
CAP_0.1uF_50V_0805	CAPCER0.1UF50V X7R0805	C1	CAP2012	CAP_0.1uF_50V_0805	1
CAP_14pF_50V_0805	CERAMIC CAP MLCC HIGH-Q 125C	C2, C3	CAP0805	CAP_14pF_50V_0805	2
CAP_0.1uF_50V_0805	CAP CER 0.1 UF 50 V X7 R 0 8 0 5	C4, C5, C13, C16	CAP0805	CAP_0.1uF_50V_0805	4
CAP_100nF_50V_0805	CAP CER 0.1 UF 50 V X7R 08 05	C6, C8, C9	CAP0805	CAP_100nF_50V_0805	3
CAP_4.7uF_16V_0805	CAP CER 4.7UF 16V X5R 0805	C7	CAP0805	CAP_4.7uF_16V_0805	1
CAP_1uF_16V_0805	CAPCER1UF16VX7R	C10	CAP0805	CAP_1uF_16V_0805	1
CAP_10uF_16V_0805	CAP CER 10 UF 16 V X5R 08 05	C11, C12	CAP0805	CAP_10uF_16V_0805	2
CAP_0.47uF_25V_080	CAPCER0.47UF25V	C14	CAP0805	CAP_0.47uF_25V_080	1
CAP_8200pF_50V_080	X5R0805 CAP CER8200PF 50V	C15	CAP0805	CAP_8200pF_50V_080	1
5	X7R0805 CAP CER22UF 16V			5	
CAP_22uF_16V_0805	X5R0805 Zener Voltage	C17, C18	CAP2012	CAP_22uF_16V_0805	2
BZX84C5V1LT1G	Regulator, 225 mW, 3- Pin SOT-23, Pb-Free, Tape and Reel	D1	ONSC-SOT-23-3-318- 08_V	CMP-1060-00946-1	1
HEADER	HEADER2X1	H1	HDR1X2	HEADER	1
CONN_TERMINAL_3	Header, 3-Pin	J1	WJ127-5.0-3P	CONN_TERMINAL_3	1
CON_2POS_SCREW_T ERM	TERMBLK2POSSIDE ENTRY5MM	Ŀ	1935161	CON_2POS_SCREW_T ERM	1
CON_4POS	CONN HEADER VERT 4POS 2.54MM	L		CON_4POS	1
CON_PROGRAMMING	CONN HEADERSMD 10POS1.27MM	J4	FTSH-105-01-F-DV-K- P-TR	CON_PROGRAMMING	1
CONN_0039293026	CONN HEADER VERT 2POSMINI-FIT	J5	0039293026	CONN_0039293026	1
IND_2.2uH_9A	INDUCTOR2.2UH 9A 6.8 MOHM SMD	L1	IND_BOURNS_SDR180 6	IND_2.2uH_9A	1
LED_RED	LED RED DIFFUSED 0805 SMD	LED1, LED2	LED_0805_RED	LED_RED	2
CONN_TERMINAL_2	Header, 2-Pin	P1	OSTYK51102030	CONN_TERMINAL_2	1
RES_100Ω_0805_1%	RES93.1KOHM1% 1/8W0805	R1, R2	RES0805	RES_93.1kΩ_0805_1%	2
RES_9.1kΩ_0805_5%	RES6.49KOHM1% 1/8W0805, RES9.1K OHM5%1/8W0805	R3, R5, R6	RES0805	RES 6.49kΩ 0805_1% , RES 9.1kΩ 0805_5%	3
RES_100kΩ_0805_0.5 %	RES100KOHM0.5% 1/8W0805	R4	RES0805	RES_100kΩ_0805_0.5 %	1
RES_120Ω_0805_1%	RES120 OHM1% 1/8W 0805	R7	RES0805	RES_120Ω_0805_1%	1
RES_10kΩ_0805_5%	RES10KOHM5% 1/8W0805	R8	RES0805	RES_10kΩ_0805_5%	1
RES_22.1kΩ_0805_1%	RES22.1KOHM1% 1/8W0805	R9	RES0805	RES_22.1kΩ_0805_1%	1
RES_73.2kΩ_0805_1%	RES73.2KOHM1% 1/8W0805	R10	RES0805	RES_73.2kΩ_0805_1%	1
RES_1mΩ_5931_1%	RES0.001 OHM1%	RSHUNT	RES-5931	RES_1mΩ_5931_1%	1
SW PUSHBUTTON	10W5931 SMT3.0 X2.6 MMTACT	S1	TACTILE_SWITCH_SMD		1
TESTPOINT LOOP	SWITCH WIT TESTPOINT	TP5	TESTPOINT LOOP	TESTPOINT_LOOP	
	THRUHOLE	11 3	ILDIFOINI_LOOP		1
OPAMP_OPA313IDBV R	IC OPAMP GP1 CIRCUIT SOT23-5	U1	DBV0005A_M	OPAMP_OPA313IDBV R	1
STM32F042K6T6TR	ARM®Cortex®M0 STM32F0 Microcontroller IC 32- Bit Single-Core 48MHz 32KB (32Kx8) FLASH 32-LQFP (7x7)	U2	LQFP-32	STM32F042K6T6TR	1
TCAN332DR	IC CAN TRANSCEIVER	U3	SOIC127P599X175-8N	TCAN332DR	1
	IC REG BUCK ADJUSTABLE 3A	U4	VREG_LM5017MR/NO	TPS54339	1
TPS54339	8SOPWR	0.	PB		