



Title		
Size	Number	Revision
A4		
Date:	11.05.2017	Sheet of
File:	D:\ALL_PROJECTS\...MCU_32_1.SchDoc	Drawn By:

Bill of Materials

Bill of Materials For Project [Uzcar.PrjPCB] (No PCB Document Selected)

Source Data From: Uzcar.PrjPCB
 Project: Uzcar.PrjPCB
 Variant: None

Creation Date: 11.05.2017 19:39:14
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Footprint	Comment	LibRef	Designator	Description	Quantity
HCM-1203A	HCM-1203A	HCM-1203A	BZ1	HCM-1203A buzzer	1
CAP0603	22pF 6v	Capacitor_np	C1, C5	22pF 6v	2
0603C	100nF 6v	Cap, Cap, Cap, CAP, Capacitor_ST	C2, C3, C4, C6, C16	Capacitor 100nF 5v, Capacitor, Capacitor, Capacitor, Capacitor 0402 / 0603 / 0805	5
C1206	1uF 16V	C	C7, C12, C18	Capacitor 1uF 16V	3
0603C	1uF 16v	CAP SMD 0603	C8, C10, C13	0603 X5R 1µF	3
		X5R 1µF 25V 10%			
0603C	100nF 16v	CAP	C9, C11, C14	Capacitor	3
SMD D	220uF 10v	CP	C15	Capacitor polarized	1
C1206	0.1uF 16v	C	C17	Capacitor 0.1uF 12V	1
0603C	1uF 6v	CAP SMD 0603	C19	0603 X5R 1µF	1
		X5R 1µF 25V 10%			
C_EL_10	470uF 25v	CP	C20, C21	Capacitor polarized	2
C_EL_8	470uF 16v	CP	C22	Capacitor polarized	1
C1206	0.1uF 25V	C	C23, C24	Capacitor 0.1uF 25V	2
C1206	1uF 25V	C	C25	Capacitor 1uF 25V	1
My Green	LED GREEN	LED3m	D1	Typical INFRARED GaAs LED	1
Led					
My_LED3MM	LED RED	LED3m	D2	Typical INFRARED GaAs LED	1
SOD-123	BZT52C3V6	BZT52C3V6	D3, D4, D5	Surface Mount Zener Diode	3
SMB	SS34	D Schottky	D6, D7	Schottky Diode 40V 3A	2
MQ1	Gas sensor	MQ1	DA1		1
1812	Fuse 2	Fuse 2	F1	Fuse	1
0603L	100uH 20mA	Inductor	L1, L2, L3, L4	Inductor	4
NR60	100uH 2A	L	L5, L7	Inductor 100uH 2A	2
NR60	33uH 2A	L	L6	Inductor 33uH 2A	1
0603D_R	GREEN	PHOTO	LD1		1
HDR2X3_CE	PROGRAMER	Header 3X2A	P1	Header, 3-Pin, Dual row	1
N					
HDR1X3	Header 3	Header 3	P2	Header, 3-Pin	1
HDR2X5	Header 5X2	Header 5X2	P3	Header, 5-Pin, Dual row	1
0603R	10K	Res1	R1, R5, R10, R11, R15	Resistor	5
0603R	50K	Res1	R2	Resistor	1
0603R	1K	res1,	R3, R17	Resistor, Resistor 0402 / 0603 / 0805	2
		Resistor_ST			
RES	1k	Resistor1	R4, R6, R7, R12, R13, R16	Resistor	6
1206/3216					
POT4MM-2	20k	RPot SM	R8, R9, R14	Square Trimming Potentiometer	3
SB_0603	Circuit Breaker	Circuit Breaker	SB1, SB2, SB3, SB4, SB5, SB6	Circuit Breaker	6
SMD_SWITC	Button	SMD_SWITC	SW1		1
H					
terminal	PWR 12V	Terminal block	TB1	Terminal block 2p 2.54mm	1
block2p		2p			
LQFP32_0R5	STM32F030K6T	MCU_LQFP32	U1		1
_7x7	6				
SOL-18_N	ULN2804	ULN2803	U2	HIGH-VOLTAGE,HIGH-CURRENT DARLINTON ARRAYS	1
SO-8	LM358AD	LM358AD	U3, U4	Dual Operational Amplifier	2
369A-13	AMS1117-3.3	LT1117CM-5	U5	1 A Low Dropout Positive Regulator, 2.45 to 15 V Vin, 5 V Vout, 3-pin DPAK (M-3), 0 to 125 degC	1
TO-263	DC/DC reg	TI LM2596	U6		1
	LM2596S				
3SMXA	XTAL	XTAL	Y1	Crystal Oscillator 0.197" L x 0.126" W (5.00mm x 3.20mm)	1
					78

Approved

Notes
