



Title		
Size A4	Number	Revision
Date:	01/12/2016	Sheet of
File:	C:\Users\...\Sheet3.SchDoc	Drawn By:

Quantity	LibRef	Footprint	Designator	Description	Comment
2	Cap SMD	1206 (3216)	C1, C19	Capacitor	100n
1	Cap SMD	1206 (3216)	C2	Capacitor	1n
1	Cap SMD	1206 (3216)	C3	Capacitor	100p
4	Cap SMD	0603 (1608)	C4, C5, C6, C7	Capacitor	100p
5	Cap SMD	0603 (1608)	C8, C9, C10, C11, C12	Capacitor	100n
1	Cap Polarized	10mm	C13	Polarized Capacitor (Axial)	100u-25v
1	Cap Polarized	10mm	C14	Polarized Capacitor (Axial)	1000u-25v
1	Cap Polarized	10mm	C15	Polarized Capacitor (Axial)	1500u-10v
1	Cap Polarized	6.3mm	C16	Polarized Capacitor (Axial)	100u-10v
1	Cap Polarized	10mm	C17	Polarized Capacitor (Axial)	10u-400v
1	Cap Pol3	C1206	C18	Polarized Capacitor (Surface Mount)	
1	1N4007-SMD	DO214	D1	1N4007-SMD	BYW
1	1N4007-SMD	DO214	D2	1N4007-SMD	1N914
1	Diode 1N4001	HDR1X2	D3	1 Amp General Purpose Rectifier	P6KE200A
1	1N4007-SMD	DO214	D4	FR107	FR107
1	1N4007-SMD	DO214	D5	1N4007-SMD	Zener-3.9
1	DB107	DB107	DB1	Bridge Diode	DB107
1	Inductor	Inductor-T	L1	Inductor	100uH
1	Inductor	Inductor-T	L2	Inductor	3.3uH
1	2-Pin-3.96mm	2 Pin-3.96mm	P1	2-Pin-3.96mm	2-Pin-3.96mm
4	Header 2	HDR1X2	P2, P91N5822, PJ1, RST1	Header, 2-Pin	Header 2
4	Header 3	HDR1X3	P3, P6, P7, P8	Header, 3-Pin	Header 3
1	Header 10X2	HDR2X10	P4	Header, 10-Pin, Dual row	Header 10X2
1	Header 8	HDR1X8	P5	Header, 8-Pin	Header 8
1	Header 7	HDR1X7	P10	Header, 7-Pin	Header 7
1	Header 5	HDR1X5	P11	Header, 5-Pin	Header 5
1	Triac	TO-220-AB	Q1	Silicon Bidirectional Triode Thyristor	Triac
1	BC817	SOT23_N	Q2	NPN General-purpose Transistor	BC817
5	Resistor	1206 (3216)	R1, R2, R3, R4, R5	Resistor	220
1	Resistor	1206 (3216)	R6	Resistor	470
1	Resistor	1206 (3216)	R7	Resistor	3.3k
3	Resistor	1206 (3216)	R8, R9, R10	Resistor	10k
4	Resistor	0603 (1608)	R11, R12, R13, R14	Resistor	10k
1	Res1	AXIAL-0.3	R15	Resistor	Res1
2	Resistor	1206 (3216)	R16, R19	Resistor	100
1	Resistor	1206 (3216)	R17	Resistor	13k
1	Res Varistor	HDR1X2	R18	Varistor (Voltage-Sensitive Resistor)	Res Varistor
2	Header 5	HDR1X5	Ra1, Ra2	Header, 5-Pin	10K
2	EE16	EE16	T1, T2	Trans	Trans
1	AQH3221	SO-8_N	U1		ACS712
1	LM1458MX	M08A_N	U2	Dual Operational Amplifier, 8-pin Narrow SOIC	LM1458MX
1	MOC3041	DIP6	U3	MOC3041	MOC3041
1	STM32F103C8T6	LQFP48_N	U4	STM32 ARM-based 32-bit MCU with 64 Kbytes Flash, 48-pin LQFP, Industrial Temperature	STM32F103C8T6
1	LM2576HVS-3.3	TSS8_N	U5	SIMPLE SWITCHER® 3A Step-Down Voltage Regulator, 5-pin TO-263	LM2576HVS-3.3
1	24c64	My_DIP8	U6	64 Kbit Serial I ² C Bus EEPROM	24c64
1	Optoisolator1	DIP-4	U7	4-Pin Phototransistor Optocoupler	Optoisolator1
1	CRYSTAL	My_Crystal	X1	Crystal	8M
1	CRYSTAL	My_Crystal	X2	Crystal	32KH