Title **Power Board**Size: **A4**

Number: 1

Revision: 001

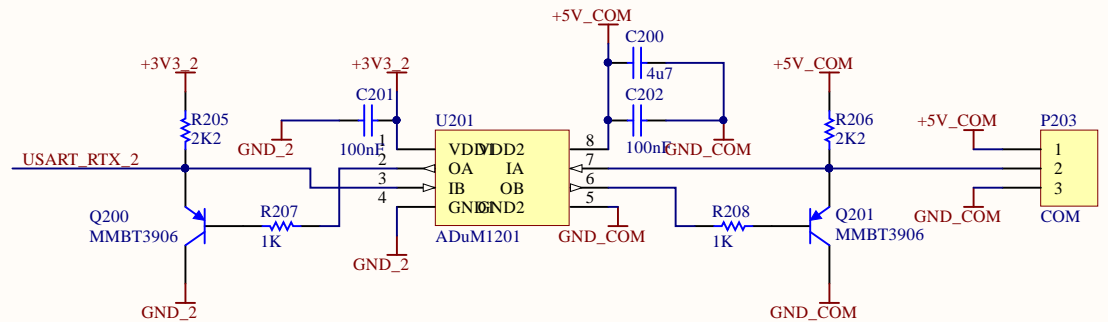
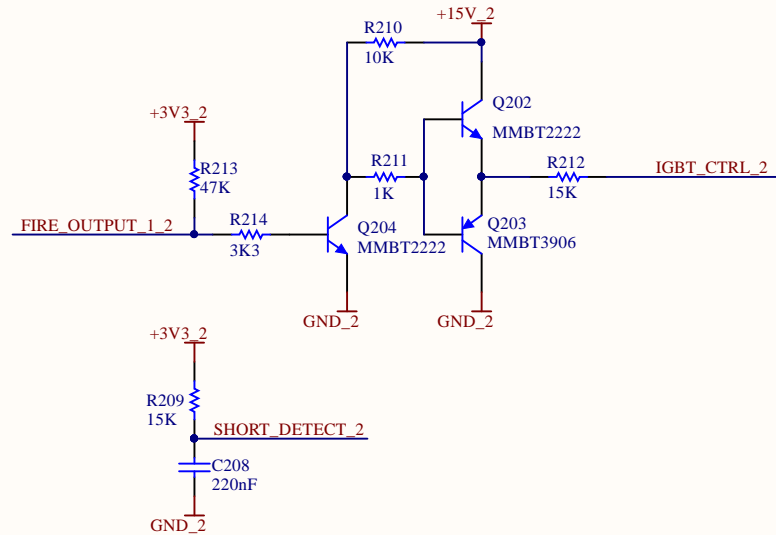
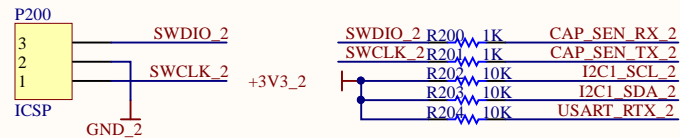
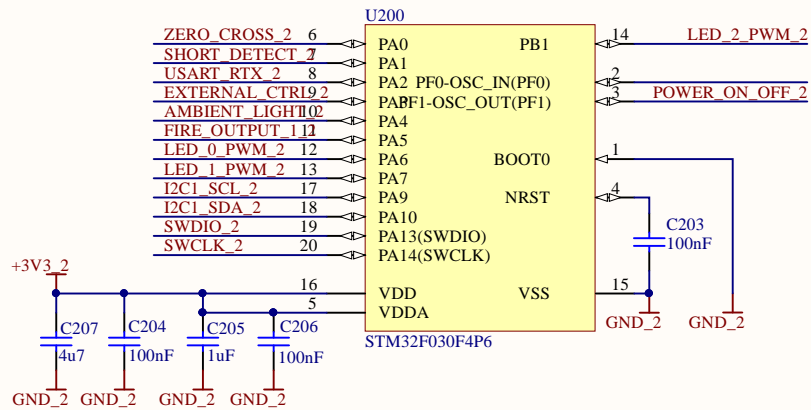
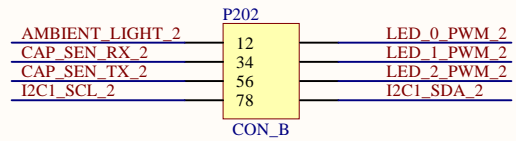
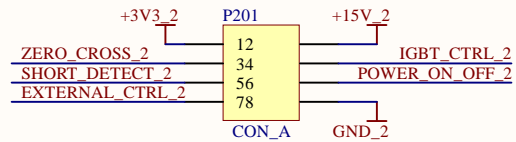
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Sheet 1 of 3

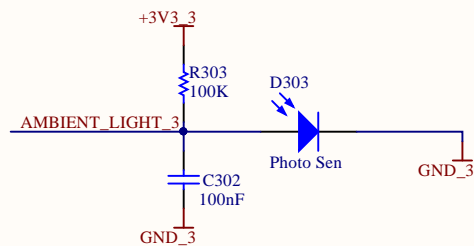
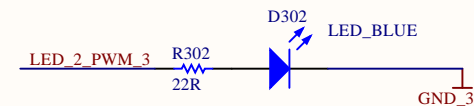
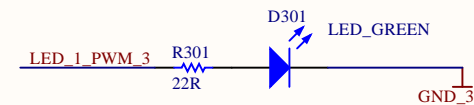
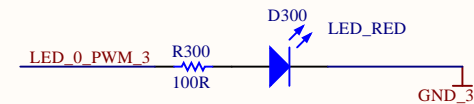
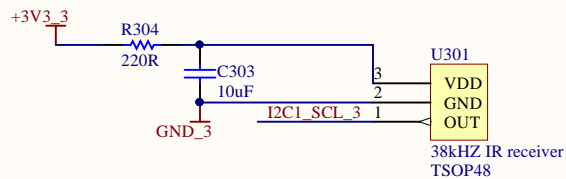
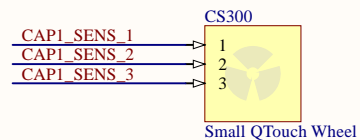
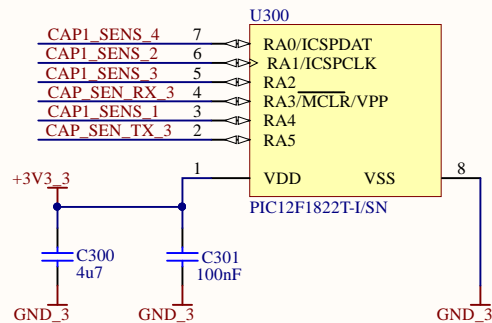
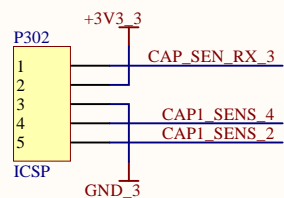
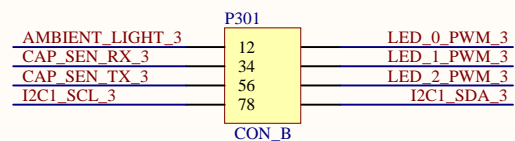
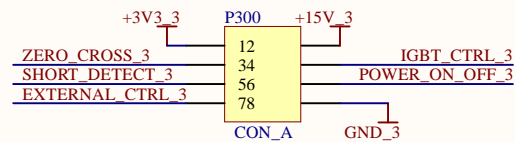
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I-MEDIA GROUP d.o.o.
Topal Osman Paše 18
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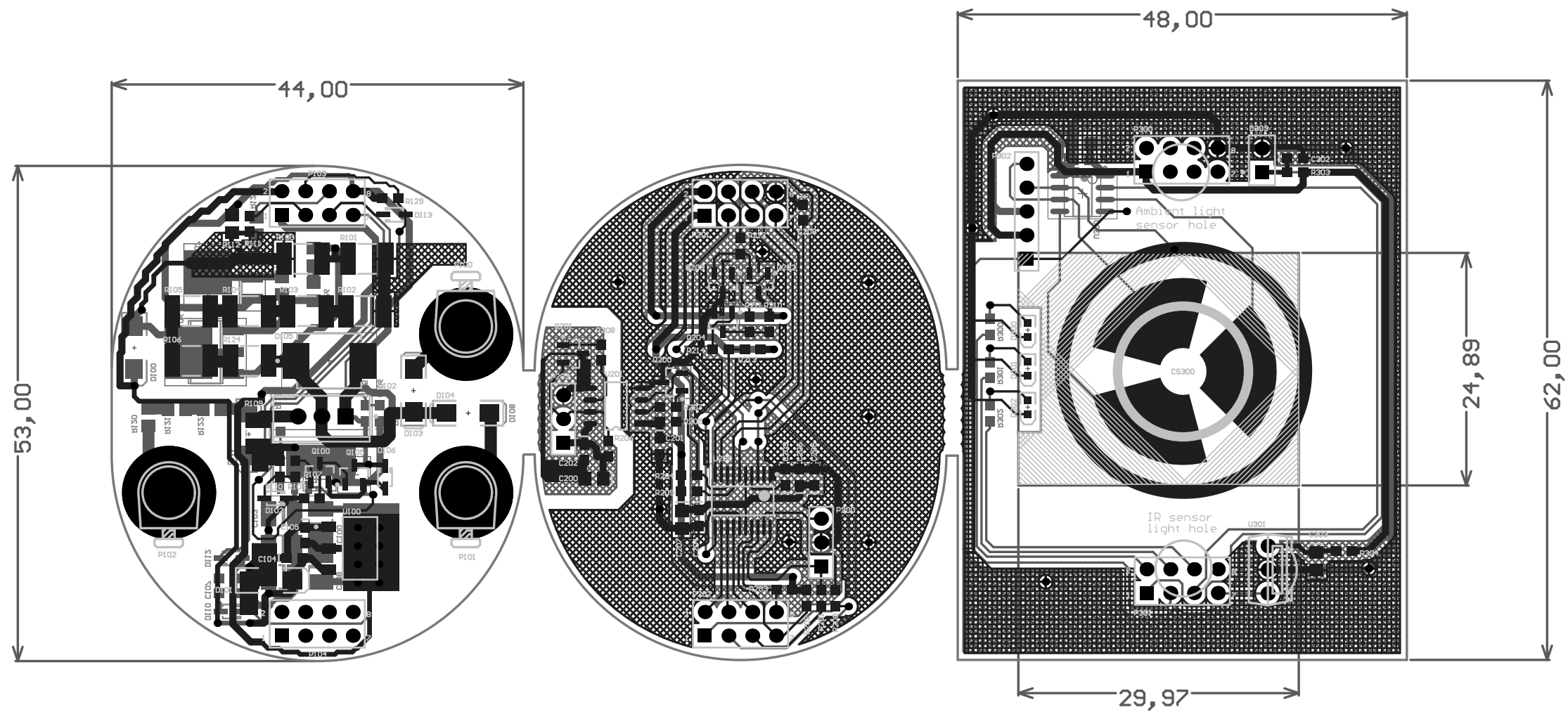
Altium



Title Microcontroller & Com Board			I-MEDIA GROUP d.o.o. Topal Osman Paše 18 71000 Sarajevo Federacija BiH Bosna i Hercegovina	
Size: A4	Number: 2	Revision: 001		
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Title <i>Sensor Board</i>			I-MEDIA GROUP d.o.o. Topal Osman Paše 18 71000 Sarajevo Federacija BiH Bosna i Hercegovina		
Size: A4	Number:3	Revision:001			
Date: 08.09.2017.	Time: 16:53:53	Sheet3 of 3			
File: C:\Users\eldar\Desktop\HotelHills\hw\PrekidacBalkonskeRasvjete\DE-180417\DE-180417_03.SchDoc					



Bill of Materials

Bill of Materials For Project [DE-180417.PrjPcb] (No PCB Document Selected)

Source Data From:		DE-180417.PrjPcb			
Project:		DE-180417.PrjPcb			
Variant:		None			
Creation Date: 08.09.2017.		16:53:56			
Print Date: 42986		42986.70416			
Footprint	Comment	LibRef	Designator	Description	Quantity
1210	22uF/10V	C1210	C100, C108	Ceramic Chip Capacitor - Standard	2
1210	22uF/25V	C1210	C101, C102, C103	Ceramic Chip Capacitor - Standard	3
0603	100nF	C0603	C104, C105, C107, C201, C202, C203, C204, C206, C301, C302	Ceramic Chip Capacitor - Standard	10
0603	22nF	C0603	C106	Ceramic Chip Capacitor - Standard	1
0805	4u7	C0805	C200, C207, C300	Ceramic Chip Capacitor - Standard	3
0603	1uF	C0603	C205	Ceramic Chip Capacitor - Standard	1
0603	220nF	C0603	C208	Ceramic Chip Capacitor - Standard	1
0805	10uF	C0805	C303	Ceramic Chip Capacitor - Standard	1
DO214	1N4007	BZG03C10	D100, D111	Silicon Zener Diode (3W)	2
DO214	15V	BZG05C15	D101	Silicon Zener Diode (3W)	1
SOD323	8V2	1PS76SB10	D102	Schottky Barrier Diode	1
DO214	1N5408	BZG05C15	D103, D104, D107, D108	Silicon Zener Diode (3W)	4
ONSC-SMC	2-403-03_V	1SMC9.0A13G	D105	1500 W Peak Power Zener Transient Voltage Suppressor, Unidirectional, 2-Pin SMC, Pb-Free, Tape and Reel	1
SOD323	16V	1PS76SB10	D106	Schottky Barrier Diode	1
INF-SOT89_N	MCR100-8	BAV78D	D109	Silicon Switching Diode, SOT89, Reel, Green	1
SOD323	1N4148	1PS76SB10	D110, D112, D113	Schottky Barrier Diode	3
1.6X0.8X0.8	LED_RED	HSM2-C190	D300	High Performance Chip LED, Red	1
1.6X0.8X0.8	LED_GREEN	HSM2-C190	D301	High Performance Chip LED, Red	1
1.6X0.8X0.8	LED_BLUE	HSM2-C190	D302	High Performance Chip LED, Red	1
PHN2	Photo Sen	Photo Sen	D303	Photosensitive Diode	1
Single Wire Lug	Single Wire Lug	Wire Lug	P100, P101, P102		3
HDR2X4	CON_A	Header 4X2	P103, P201, P300	Header, 4-Pin, Dual row	3
HDR2X4	CON_B	Header 4X2	P104, P202, P301	Header, 4-Pin, Dual row	3
HDR1X3	ICSP	Header 3	P200	Header, 3-Pin	1
HDR1X3	COM	Header 3	P203	Header, 3-Pin	1
HDR1X5	ICSP	Header 5	P302	Header, 5-Pin	1
SOT23_N	MMBT2222	BC817	Q100, Q105, Q202, Q204	NPN General-purpose Transistor	4
ONSC-TO-220-3-221A-09	NGTB15N60E	NGTB15N60E	Q102	IGBT - Short-Circuit Rated, 3-Pin TO-220 Pb-Free, Tube	1
SOT223_N	PBHV9540Z	BCP51	Q106	PNP Medium Power Transistor	1
SOT223_N	PBHV8540Z	BCP54	Q107	PNP Medium Power Transistor	1
SOT23_N	MMBT3906	BC807	Q200, Q201, Q203	PNP General-purpose Transistor	3
12-1812	57K	ERJ12	R100	Thick Film Chip Resistor, 1 Ohm to 10M Ohm Range, 5% Tolerance, 1812 Size, 0.1 W	1
12-1812	680R	ERJ12	R101, R102, R103, R104, R105, R106, R124	Thick Film Chip Resistor, 1 Ohm to 10M Ohm Range, 5% Tolerance, 1812 Size, 0.1 W	7
ERA-0603	150K	ERAV	R107	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	1
ERA-0603	47K	ERAV	R108, R110, R213	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	3
14-1210	0R1	ERJ14	R109	Thick Film Chip Resistor, 1 Ohm to 10M Ohm Range, 5% Tolerance, 1210 Size, 0.1 W	1
ERA-0603	100K	ERAV	R111, R303	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	2
ERA-0805	33K	ERA6Y	R112	Rectangular Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 0.1% and 0.5% Tolerance, 0805 Size, 0.1 W	1
ERA-0603	3K3	ERAV	R115, R214	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	2
ERA-0603	22R	ERAV	R119, R301, R302	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	3
ERA-0805	120K	ERA6Y	R120	Rectangular Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 0.1% and 0.5% Tolerance, 0805 Size, 0.1 W	1
ERA-0805	220K	ERA6Y	R121, R122, R125, R126	Rectangular Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 0.1% and 0.5% Tolerance, 0805 Size, 0.1 W	4
ERA-0603	10K	ERAV	R123, R202, R203, R204, R210	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	5
ERA-0805	10K	ERA6Y	R127	Rectangular Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 0.1% and 0.5% Tolerance, 0805 Size, 0.1 W	1
ERA-0805	3K3	ERA6Y	R128	Rectangular Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 0.1% and 0.5% Tolerance, 0805 Size, 0.1 W	1
ERA-0603	220K	ERAV	R129	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	1
ERA-0603	1K	ERAV	R200, R201, R207, R208, R211	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	5
ERA-0603	2K2	ERAV	R205, R206	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	2
ERA-0603	15K	ERAV	R209, R212	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	2
ERA-0603	100R	ERAV	R300	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	1
ERA-0603	220R	ERAV	R304	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	1
ZZ311	REG1117-3.3	REG1117-3.3	U100	Regulator 3.3V, 3.3V, 5V, and Adjustable 800mA and 1A Low Dropout Positive	1
STM-TSSOP20_N	STM32F030F4R6	STM32F030F4R6	U200	ARM Cortex-M0 32-bit MCU, 16 KB Flash, 8 KB Internal RAM, 15 I/Os, 20-pin TSSOP	1
SOP8	ADuM1201	ADuM1201	U201	Digital Isolator	1
PC1212F1822T-1SN8_N	PC1212F1822T-1SN	PC1212F1822T-1SN	U300	Flash Microcontroller with XLP Technology 32 MHz, 5 I/O, -40 to 85 degC, 8-pin SOIC (SN8), Tape and Reel	1
TSOP48	38KHZ IR receiver	TSOP48	U301		1
Approved					112
Notes					