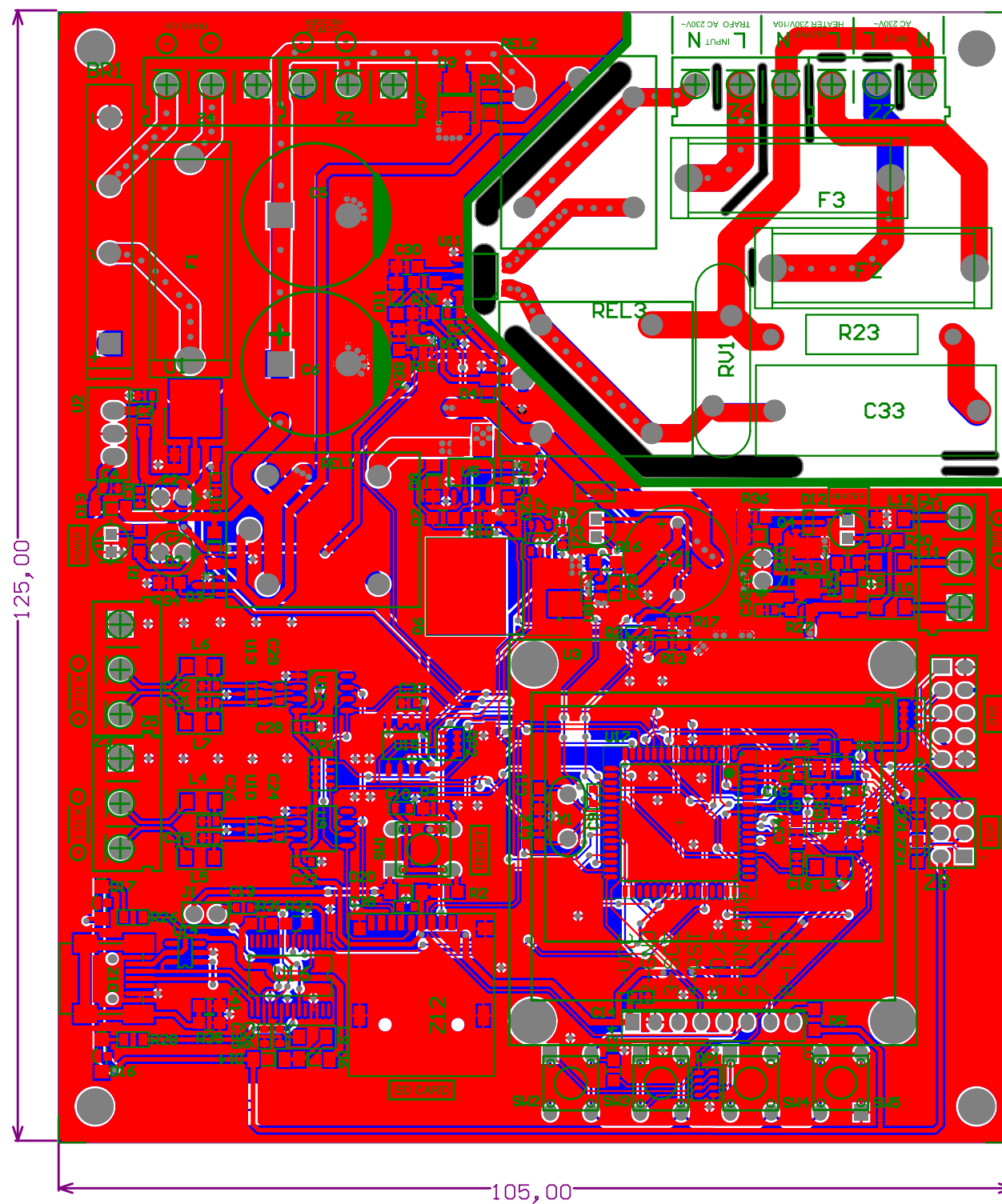


Title			Bga soldering station		
Size		Number		Revision	
A2					
Date:			2014-07-22		Sheet of
File:			D:\dane\BGA_soldering_station\Sch\Bld		Drawn By: Marek Pikulski



Comment	Description	Designator	Footprint	LibRef	Quantity
	DIGITEC SEMICONDUCTOR GB10A - Mostek prostowniczy; płaski; SOP, 10A				
GB10A		BR1	Mostek prostowniczy	GL1.5A	1
Buzzer		BZ1	Buzzer	Buzzer	1
		C1, C3, C4, C8, C9, C10, C13, C14, C15, C16, C17, C18, C21, C22, C23, C24, C25, C26, C27, C28, C29, C31, C32, C35, C36, C37, C38, C39			
100n	Kondensator		0603-C	C	28
100uF/6.3V		C2	C stojący mały	Electrolitic Capacitor	1
4700uF/25V		C5, C6	C DUZY STAJACY THT	Electrolitic Capacitor	2
10uF/6.3V		C7	C stojący mały	Electrolitic Capacitor	1
22p	Kondensator	C11, C12	C 805	C	2
1uF	Kondensator	C18, C20, C30	C 805	C	3
330n/400V	Kondensator	C33	C WXE-334K	C	1
1n	Kondensator	C34	C 805	C	1
10uF/25V		C40	C stojący mały	Electrolitic Capacitor	1
10n	Kondensator	C41	C 805	C	1
	Zakres obwodu drukowanego używany przez FLX2010	COR1, COR2, COR3, COR4	COR_1	FLX_corner	4
FLX_corner					
Zasilanie	Typical BLUE SiC LED	D1	led3	LED3	1
L4148	Diode	D2, D4, D5, D6, D13, D14	MINIMELF	DIOIDE	6
transil	Diode, Transil 12V 15MB5908B T3	D3, D19	SOD90A	15MB5908B T3	2
zener 3V3		D8, D9, D11	MINIMELF	15MB5908B T3	3
	Typical BLUE SiC LED	D10, D12	led3	LED3	2
DIODE	Diode	D15, D18	MINIMELF	DIOIDE	2
KPA-3010	LED	D16, D17	KPA-3010	LED	2
1N4148	Diode	D20	MINIMELF	DIOIDE	1
10A	Bezpiecznik	F1, F3	FUSE	FUSE	2
1A	Bezpiecznik	F2	FUSE	FUSE	1
Flash via USB		J1	JP2.5	JMP2	1
BLM31	Cewka	L2, L3, L4, L5, L6, L7, L9, L10, L11, L12	L206	L	10
	N-channel Enhancement Mode Field-effect Transistor	Q2, Q3, Q4, Q5	SOT23	2N7002	4
2N7002					
IRL3713SPBF	HEXFET N-Channel Power MOSFET	Q6	D2PAK	IRF8F20	1
560	Rezystor	R1	R 805	R	1
10k	Rezystor	R2, R30	R 805	R	2
4k7	Rezystor	R3, R31	R 805	R	2
330R	Rezystor	R4	R 805	R	1
510R	Rezystor	R5	R 805	R	1
100R	Rezystor	R7, R18, R29	R 805	R	3
560k	Rezystor	R9	R 805	R	1
1M	Rezystor	R10, R19	R 805	R	2
82k	Rezystor	R11	R 805	R	1
2k2	Rezystor	R13, R20, R27	R 805	R	3
100k	Rezystor	R16, R17, R34, R36, R38	R 805	R	5
1k-2W	Rezystor	R23	R20/4	R	1
470K	Rezystor	R24, R35	R 805	R	2
560R	Rezystor	R26, R28	0805	R	2
3k3	Rezystor	R32	R 805	R	1
6k8	Rezystor	R33	R 805	R	1
0R	Rezystor	R37	R 805	R	1
	RELPOL RM51-3011-85- 1012 - Przekładnik: elektromagnetyczny; SPDT Uciwki, 12VDC, 10A/250VAC	REL1, REL2, REL3	relay rm51	RelSPDT	3
4k7	drabinka 1204 4x0603	RP1, RP2, RP3, RP4	drabinka 4403	RP_MN04	4
MOV-20D68	varistor	RV1	MOV-20D681K	V250	1
SW 6X6X4.3	MICROS SWITCH 6X6X4.3MM THT	SW1, SW2, SW3, SW4, SW5	MICROS SWITCH 6X6X4.3	SW 6X6X4.3	5
AMS1117	AMS1117	U1	so1223	AMS1117	1
	3-Terminal Positive Fixed Voltage Regulator				
MC7805BT		U2	to220.1	MC7805BT	1
LCD5110	SPR LED NOKIA 5110 MODULE	U3	LCD5110	LCD5110	1
ACS712 20A	AD5712 BIDIRECTIONAL CURRENT SENSOR	U5, U11	SO8	ACS712	2
TC74	MICROCHIP DIGITAL I2C 8BIT TEMP.	U7	SOT23-5	TC74	1
MC1P416T-E/OT	Tiny 1.5A, High-Speed Power MOSFET Driver	U8	SOT23-5	MC1P416T	1
	Cold-Junction Compensated Thermocouple-to- Digital Converter				
MAX31855KASA+		U9, U12	SO8	MAX31855	2
NUP2105	DUAL LINE TVS DIODE	U10, U13	SOT23	NUP2105	2
NUP4201MR6T1G		U14	TSOP6	NUP4201	1
24LC64	EEPROM	U15	SO8	24LC04	1
	Single USB 2.0 to Serial UART Converter IC.				
FT232RL		U16	SSOP28-MAX	FT232RL	1
	8-Bit AVR Microcontroller, 4.5- 5.5V, 128KB Flash, 4KB EEPROM, 4KB SRAM, 64 pin TQFP, Industrial Grade (-40°C to 85°C), Pb-Free				
ATmega128L-8AU		U17	.64A_L	ATmega128-16AU	1
8MHz	Crystal Oscillator	Y1	xtal.1	XTAL	1
	USTWA ZACISKOWA KATOWA 905T TB-5.0-P- 3P/GY NININGI	Z2, Z3, Z4, Z5, Z6, Z7, Z11		USTWA ZACISKOWA KATOWA 905T TB-5.0-P- 3P/GY NININGI	7
TB-5.0-P-3P/GY					
ICSP	Header, 3-Pin, Dual row	Z8	Header 2x3	Header 3X2	1
	Gniazdo MINI USB-C katowe SMD 5pin	Z10	mini-usb ESR35101000Z	Mini_USB_C	1
MICRO SD	MICRO SD HOLDER	Z12	MICROSD	MICRO SD	1
JTAG	Header, 5-Pin, Dual row	Z13	Header 2x5	Header 5X2	1