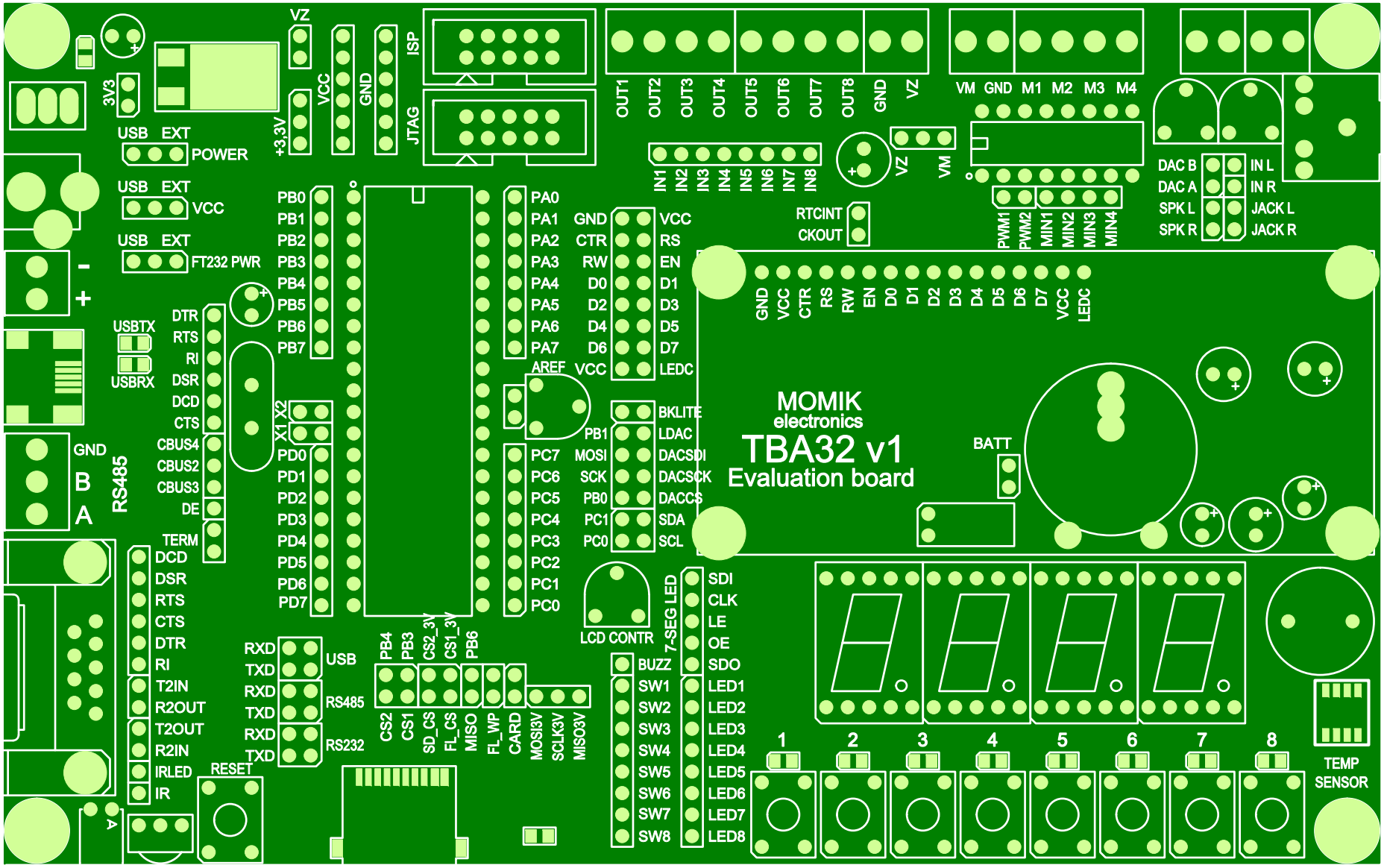
MOMIK
electronics
TBA32 v1
Evaluation board
3V3
USB EXT
POWER
USB EXT
VCC
USB EXT
FT232 PWR
VZ
+3.3V
VCC
GND
ISP
JTAG
OUT1 OUT2 OUT3 OUT4 OUT5 OUT6 OUT7 OUT8 GND VZ
VM GND M1 M2 M3 M4
IN1 IN2 IN3 IN4 IN5 IN6 IN7 IN8
VZ VM
RTCINT
CKOUT
PWM1 PWM2 MIN1 MIN2 MIN3 MIN4
DAC B
DAC A
SPK L
SPK R
IN L
IN R
JACK L
JACK R
PB0 PB1 PB2 PB3 PB4 PB5 PB6 PB7
PA0 PA1 PA2 PA3 PA4 PA5 PA6 PA7
AREF
GND CTR RW D0 D2 D4 D6 VCC
VCC RS EN D1 D3 D5 D7 LEDC
GND VCC CTR RS RW EN D0 D1 D2 D3 D4 D5 D6 D7 VCC LEDC
USBTX
USBRX
DTR
RTS
RI
DSR
DCD
CTS
CBUS4
CBUS2
CBUS3
DE
TERM
X1 X2
PD0 PD1 PD2 PD3 PD4 PD5 PD6 PD7
PC7 PC6 PC5 PC4 PC3 PC2 PC1 PC0
PB1 MOSI SCK PB0 PC1 PC0
BKLITE
LDAC
DACSDI
DACSCK
DACCS
SDA
SCL
BATT
GND
B
A
RS485
DCD
DSR
RTS
CTS
DTR
RI
T2IN
R2OUT
T2OUT
R2IN
IRLED
IR
RXD TXD USB
RXD TXD RS485
RXD TXD RS232
PB4 PB3 CS2_3V CS1_3V PB6
CS2 CS1 SD_CS FL_CS MISO FL_WP CARD
MOSI3V SCLK3V MISO3V
RESET
LCD CONTR
7-SEG LED
SDI
CLK
LE
OE
SDO
BUZZ
SW1 SW2 SW3 SW4 SW5 SW6 SW7 SW8
LED1 LED2 LED3 LED4 LED5 LED6 LED7 LED8
1 2 3 4 5 6 7 8
TEMP
SENSOR