BPM Generator V1.1
DHA 2014
http://dhalllant.free.fr

MOSI
EN(A3)
SS
SCK
GND
+5V

GND   +5V
24PPQN TER12
TER6   TER3
D1   D0

K18

GND RST
MOSI SCK
+5V MISO

ICSP
K19

C4
100n
C5
100n

C2
22pF
C3
22pF
C1
100n

ATMEGA528-P

U1

X1

GND
TX(D1)
RX(D0)

UART K8

S3

R6

Reset

GND
+5V
SDA
SCL

I²C K7

K15 K14
K17 K16
K30 K29
K3 K26
K1 K4

BIN2 BIN1
BIN8 BIN4
GND GND
A0 +5V
A2 A1

Gate
CV
+5V
+12V
GND
-12V

PWR
+5V +12V GND
TP2 TP3 TP5

EURO 16-PIN PWR K24 K22 K23

C9
100µF

C6
470µF 25V

D11

PS1 PPTC
PS2 PPTC

INT 5V S4

D12

R8

C8
10µF 25V

U2

7805

D13
PWR +5V LED

R1 R3 R2 R7 R8 R11 R10 R15 R16 R19 R18 R23 R24

U1   U2   U3

R9 R4 R5 R6 R17 R12 R13 R14 R25 R20 R21 R22

R2

R3

R1