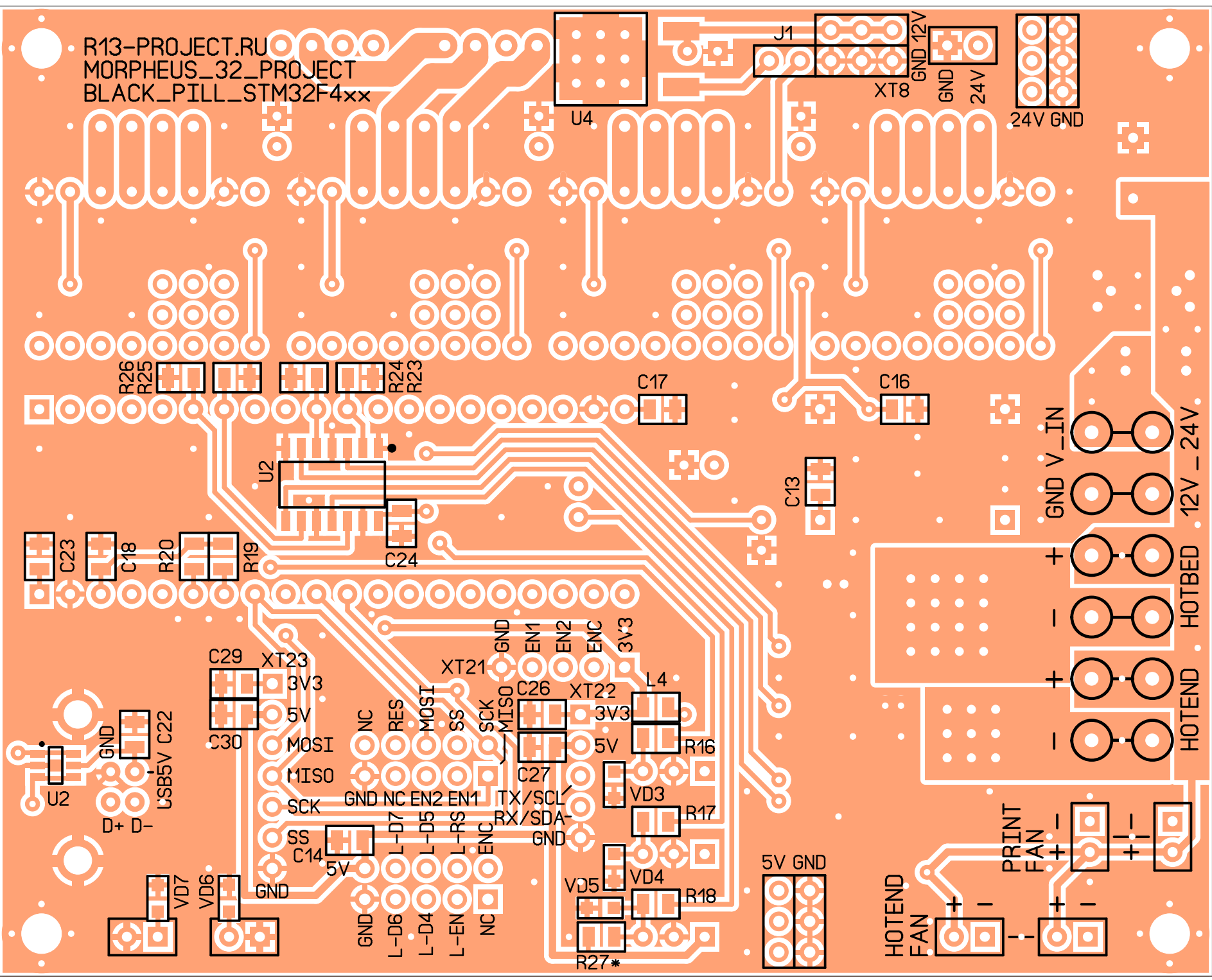


R13-PROJECT.RU
MORPHEUS_32_PROJECT
BLACK_PILL_STM32F4xx



U4

J1
XT8
GND 12V
GND 24V
24V GND

R26
R25
R24
R23

C17

C16

U2

C13

GND V_IN
+
-
HOTBED 12V_24V
+
-
HOTEND

C23
C18
R20
R19
C24

XT21
GND
EN1
EN2
ENC
3V3

C26
XT22
3V3
L4
R16

U2
GND
D+ D-
USB5V C22

C29
XT23
3V3
C30
5V
MOSI
MISO

NC
RES
MOSI
SS
SCK
MISO
GND

C27
XT22
3V3
VD3
R17

SCK
GND NC EN2 EN1
TX/SCL
RX/SDA
GND

VD7
VD6
GND
L-D6
L-D4
L-D5
L-RS
ENC
NC

SS
C14
5V
GND
L-D7
L-D5
L-RS
ENC
NC

VD3
R17
VD5
VD4
R18

5V GND

HOTEND FAN
+ -
PRINT FAN
+ -
+ -

R27*