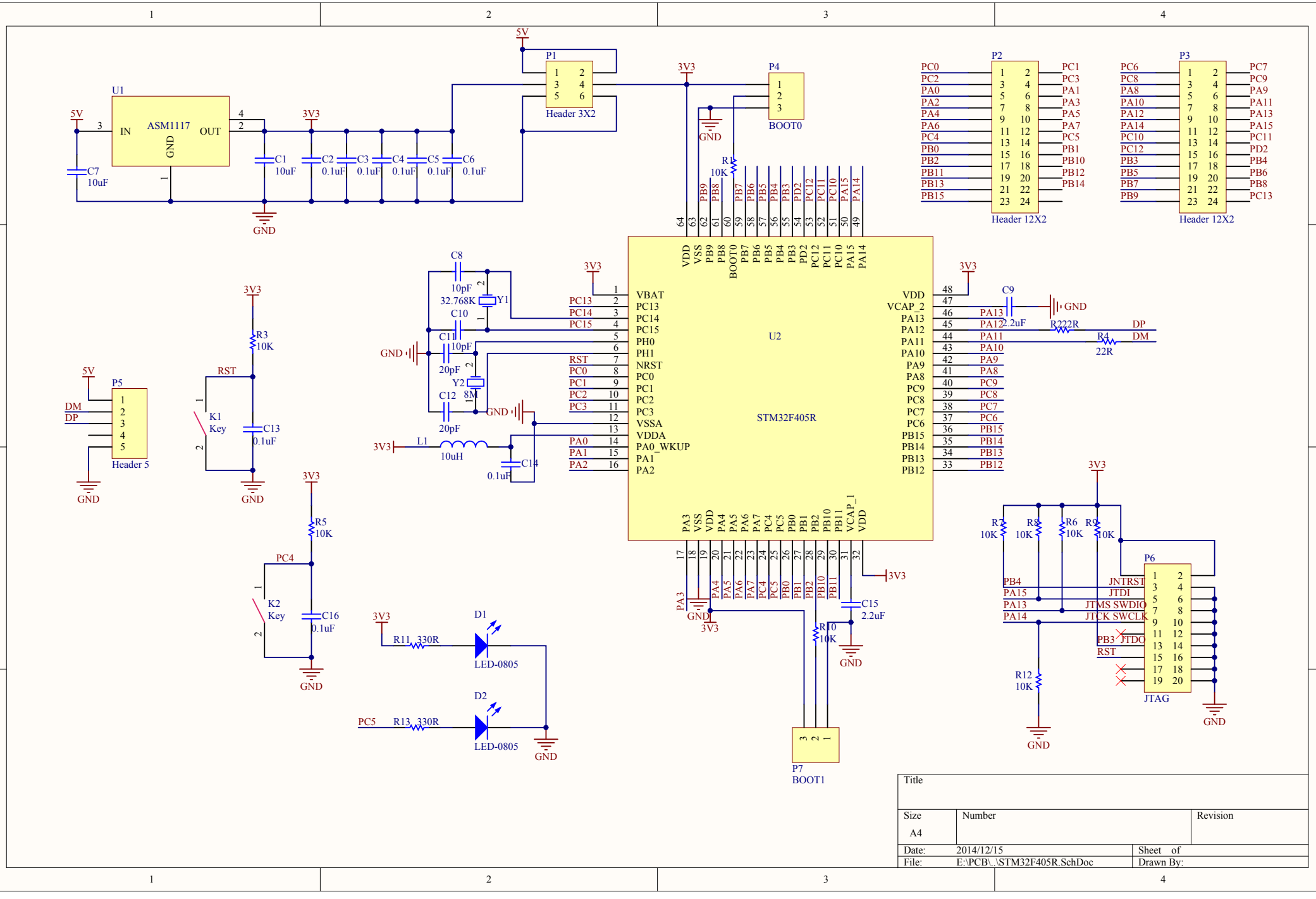
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IN
OUT
GND
5V
3V3
C7 10uF
C1 10uF
C2 0.1uF
C3 0.1uF
C4 0.1uF
C5 0.1uF
C6 0.1uF
P1
Header 3X2
P4
BOOT0
R1 10K
P2
Header 12X2
P3
Header 12X2
U2
STM32F405R
VBAT
PC13
PC14
PC15
PH0
PH1
NRST
PC0
PC1
PC2
PC3
VSSA
VDDA
PA0_WKUP
PA1
PA2
VDD
VCAP_2
PA13
PA12
PA11
PA10
PA9
PA8
PC9
PC8
PC7
PC6
PB15
PB14
PB13
PB12
PA3
VSS
VDD
PA4
PA5
PA6
PA7
PC4
PC5
PB0
PB1
PB2
PB10
PB11
VCAP_1
VDD
C8 10pF
Y1 32.768K
C10 10pF
C11 10pF
Y2 8M
C12 20pF
C14 0.1uF
L1 10uH
C9 2.2uF
R222R
R4 22R
DP
DM
C15 2.2uF
R10 10K
P7
BOOT1
P5
Header 5
R3 10K
K1 Key
C13 0.1uF
R5 10K
K2 Key
C16 0.1uF
R11 330R
D1
LED-0805
R13 330R
D2
LED-0805
R7 10K
R8 10K
R6 10K
R9 10K
R12 10K
P6
JTAG
JNTRST
JTDI
JTMS SWDIO
JTCK SWCLK
JTDO
RST
Title
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A4
Number
Revision
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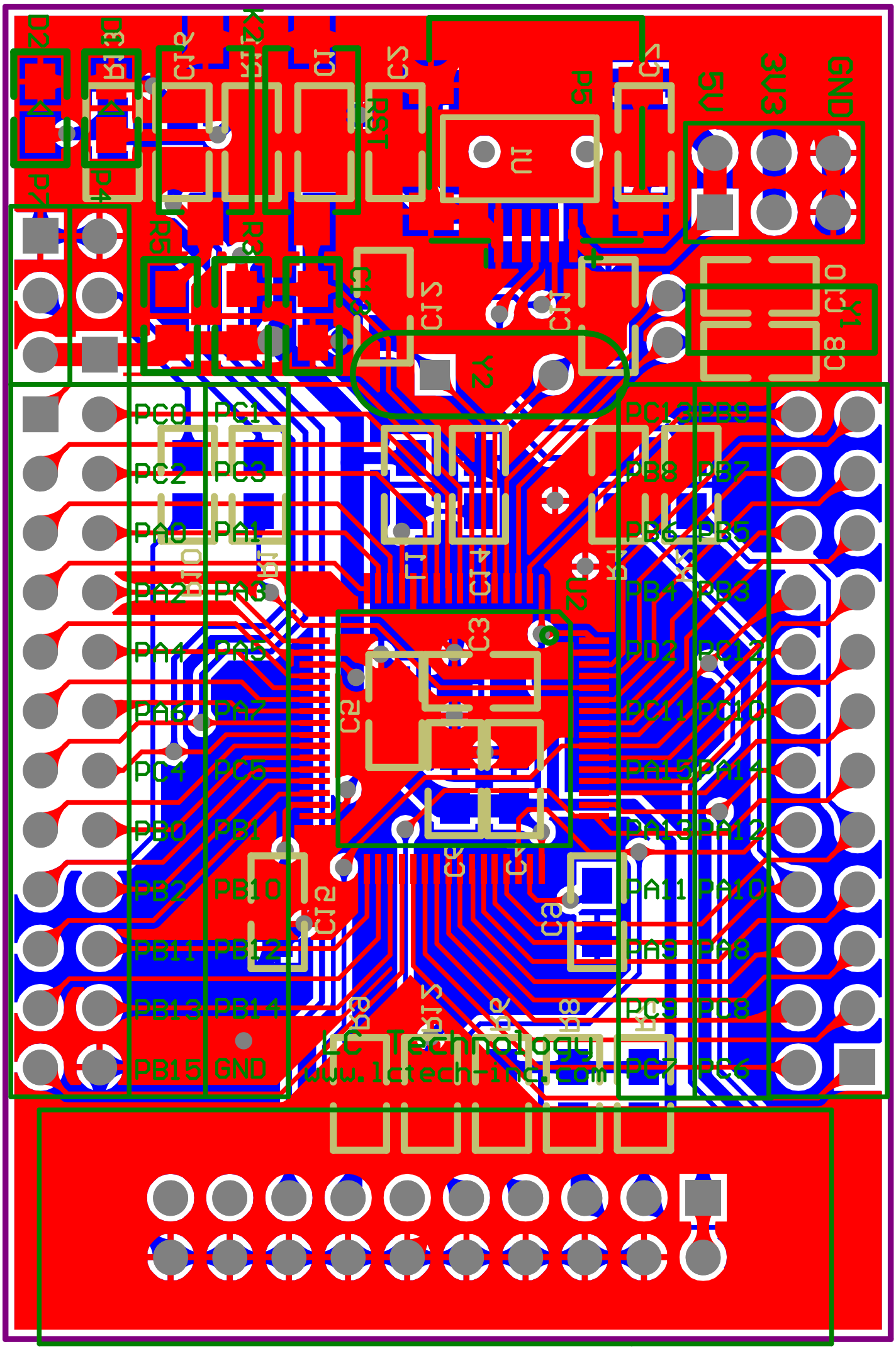
GND
3V3
5V
PC0 PC1
PC2 PC3
PA0 PA1
PA2 PA3
PA4 PA5
PA6 PA7
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PB0 PB1
PB2 PB10
PB11 PB12
PB13 PB14
PB15 GND
PC13 PB9
PB8 PB7
PB6 PB5
PB4 PB3
PD2 PC12
PC11 PC10
PA15 PA14
PA13 PA12
PA11 PA10
PA9 PA8
PC9 PC8
PC7 PC6
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