118.00mm
108.00
5.00
5.00
5.00
5.00
R 2.80mm
R 1.60mm
74.50mm
37.25
8.13
J17
J8
3.3V
SWDIO
GND
SWCLK
NRST
GND
J9
TX_P
GND
PF4
PF5
PC11
PC12
LED2
LED3
VDD_P
X2
X1
C30 C31 C26 R44 R16
C21 C22 C24 C23
R17
C27
L2
U7
C25
R45
J15 J10
SLEEP_P
WAKE_P
STATE_P
ACK_P
DEF_P
SW1_P
SW2_P
LED_P
ADC_P
ISP_P
RX_P
GND
CHECK_P
PF6
PA15
PA5
PA7
PA6
RST_P
PC10
J6
5V
NC
GND
GND
PA4
PA8
PD2
PB3
PB4
PF11
BOOT0
PC2
PC3
PC8
PA9
3.3V
3.3V
VDD_P
5V
NC
GND
GND
PC1
PB8
PB9
PA2
PA1
PB2
PC7
PB1
PC9
PC6
3.3V
3.3V
3.3V
J3 Pack_PWR
J7
RES SDA SCL VCC GND
J5
J12
TXU TXM TXU
RXU TXP RXP RXU
ISP_H
ISP_H
J13
R2
ISP_L
ISP_L
LED1
R13
R14
LED2
C15 R9
U5
C16
C17
C19
T2
ESD1
USB
J4
A12
B12
A1
B1
ADC0
RW1
U1
R1
C1
R3
T1
R5
C11
C12
L1
U4
C14
C10
C13
POWER R10
LED3
R12
C9
T3
ON/BAT OFF
S1
VBAT Low
LED4
R11
C8
R8
R7
C4
C3
U3
C7
C6
C5
T4
VBAT-3.7V
J2
4.14
69.50
54.04
38.04
21.12
LED7
LED5
LED6
LED8
LED9
STA
ACK
LED1
LED2
LED3
R22
R23
R24
R25
R26
ZLG
STA_P
ACK_P
SLE_P
WAK_P
DEF_P
SW2_M
SW1_M
LED1_P
LED2_P
LED3_P
ADC_M
RST_P
STA
ACK
SLE
WAK
DEF
SW2
SW1
LED1
LED2
LED3
ADC
RST
PA3
PC4
PB13
PB0
PC5
PB10
PA0
PA10
PA11
PA12
PC0
RST_M
Pack_CTR
MCU_CTR
J14
J1
S4
S2
S3
S6
S5
S8
S7
DEF
SLE
WAK
SW2
SW1
ISP
RST
R19
R15
R18
R20
R21
C29
R49
D1