

## Pin layout Nucleo-64 STM32F446RE

|       |    |    |        |       |       |      |      |       |       |      |      |     |
|-------|----|----|--------|-------|-------|------|------|-------|-------|------|------|-----|
| PC10  | -- | 1  | 2----  | PC11  |       |      |      | PC9   | ----- | 1    | 2--  | PC8 |
| PC12  | -- | 3  | 4----  | PD2   |       | D15  | PB8  | --10- | 3     | 4--  | PC6  |     |
| VDD   | -- | 5  | 6----  | E5V   |       | D14  | PB9  | --    | 9-    | 5    | 6--  | PC5 |
| BOOT0 | -- | 7  | 8----  | GND   |       | AVDD | AVDD | --    | 8-    | 7    | 8--  | U5V |
| NC    | -- | 9  | 10-1-- | NC    | NC    | GND  | GND  | --    | 7-    | 9    | 10-- | NC  |
| NC    | -- | 11 | 12-2-- | IOREF | IOREF | D13  | PA5  | --    | 6-11  | 12-- | PA12 |     |
| PA13  | -- | 13 | 14-3-- | RESET | RESET | D12  | PA6  | --    | 5-13  | 14-- | PA11 |     |
| PA14  | -- | 15 | 16-4-- | +3V3  | +3V3  | D11  | PA7  | --    | 4-15  | 16-- | PB12 |     |
| PA15  | -- | 17 | 18-5-- | +5V   | +5V   | D10  | PB6  | --    | 3-17  | 18-- | NC   |     |
| GND   | -- | 19 | 20-6-- | GND   | GND   | D9   | PC7  | --    | 2-19  | 20-- | GND  |     |
| PB7   | -- | 21 | 22-7-- | GND   | GND   | D8   | PA9  | --    | 1-21  | 22-- | PB2  |     |
| PC13  | -- | 23 | 24-8-- | VIN   | VIN   | D7   | PA8  | --    | 8-23  | 24-- | PB1  |     |
| PC14  | -- | 25 | 26---- | NC    |       | D6   | PB10 | --    | 7-25  | 26-- | PB15 |     |
| PC15  | -- | 27 | 28-1-- | PA0   | A0    | D5   | PB4  | --    | 6-27  | 28-- | PB14 |     |
| PH0   | -- | 29 | 30-2-- | PA1   | A1    | D4   | PB5  | --    | 5-29  | 30-- | PB13 |     |
| PH1   | -- | 31 | 32-3-- | PA4   | A2    | D3   | PB3  | --    | 4-31  | 32-- | AGND |     |
| VBAT  | -- | 33 | 34-4-- | PB0   | A3    | D2   | PA10 | --    | 3-33  | 34-- | PC4  |     |
| PC2   | -- | 35 | 36-5-- | PC1   | A4    | D1   | PA2  | --    | 2-35  | 36-- | NC   |     |
| PC3   | -- | 17 | 38-6-- | PC0   | A5    | D0   | PA3  | --    | 1-37  | 38-- | NC   |     |