

STEVAL-PCC010V1

STM32F107 MII Controller Board

| Designator | Quantity | Description | Value | Order | Not assemble/neosazovat |
|-------------------------------------|----------|--|----------------------|----------------------------------|-------------------------|
| C1, C2, C8 | 3 | Polarized Capacitor (Surface Mount) | 10uF/6.3V | Farnell: 1213794 | |
| C3, C4 | 2 | Capacitor | 100n_0805 | Farnell: 1414664 | |
| C6, C17 | 2 | Capacitor | 100nF_0603 | Farnell: 4532004 | |
| C5, C7, C9, C10, C11, C12, C13, C14 | 8 | Capacitor | 10nF | Farnell: 1709948 | |
| C15, C16 | 2 | Capacitor | 12pF | Farnell: 1462447 | |
| CN1 | 1 | MOLEX - 675031020 - SOCKET, USB, MINI-B, SMT, W/PEGS | USB_1X90A | Farnell: 1125348 | |
| CN2 | 1 | Header, 20-Pin, Dual row, With key | JTAG | Farnell: 1099258 | |
| CN3 | 1 | Socket, 20-Pin, Dual row, side mounting | Socket 10X2, BL820GD | Farnell: 1593494 GME: 832-009 | |
| CN4 | 1 | Socket, 20-Pin, Dual row, side mounting | Socket 10X2, BL820GD | Farnell: 1593494 GME: 832-009 | |
| L1 | 1 | Inductor, 'BLM18BA05OSN1D | BEAD | Farnell: 1515680 | |
| LD1 | 1 | Typical RED, GREEN, YELLOW, AMBER GaAs LED | yellow | Farnell: 1226420 | |
| LD2 | 1 | Typical RED, GREEN, YELLOW, AMBER GaAs LED | green | Farnell: 1226373 | |
| LD3 | 1 | Typical RED, GREEN, YELLOW, AMBER GaAs LED | red | Farnell: 1226392 | |
| R1 | 1 | Resistor | 1k5_0603 | Farnell: 1632406 | |
| R2, R4 | 2 | Resistor | 22R_0603 | Farnell: 1692521 | |
| R3, R6, R7, R8, R9, R12 | 6 | Resistor | 10k_0603 | Farnell: 1601277 | |
| R5 | 1 | Resistor | 1M_0603 | Farnell: 1631320 | R5 |
| R10 | 1 | Resistor | 47R_0603 | Farnell: 1646283 | |
| R11 | 1 | Resistor | 0R_0603 | Farnell: 1573911 | |
| R13 | 1 | Resistor | 330R | Farnell: 1646224 | |
| R15 | 1 | Resistor | 470R | Farnell: 9367659 | |
| R14 | 1 | Resistor | 220R | Farnell: 1646159 | |
| RESET1 | 1 | Switch | Reset | GME: 630-121 Farnell: 9471898 | |
| RESET2 | 1 | Switch | B1 | GME: 630-121 Farnell: 9471898 | |
| U2 | 1 | MCU | STM32F107_256K | ST: STM32F107 | |
| U3 | 1 | Low Drop Voltage Regulator | LD1117S33 | ST: LD1117S33 | |
| X1 | 1 | Epson Crystal: FA-238 | 25MHz | Farnell: 1712818 | |
| SB1, SB2, SB3 | 3 | Solder bridge | | | SB1, SB2 |

st802rt1 tx

| Designator | Quant | Description | Value | Order | Not assemble / neosazovat |
|--|-------|--|----------------------------------|--|---------------------------|
| B1 | 1 | Push button (DT2112C) | RESET | GME: 630-121 Farnell: 9471898 | |
| C1, C2 | 2 | Generic capacitor | 10nF | Farnell: 1709948 | |
| C3, C4 | 2 | Generic capacitor | 12pF | Farnell: 1462447 | |
| C5, C6, C7, C9, C10, C11, C14, C15, C17, C18, C19 | 11 | Generic capacitor | 100nF | Farnell: 4532004 | C10, C17 |
| C8, C12 | 2 | Generic capacitor | 1uF/X5R Murata GRM188R60J105KA01 | Murata: GRM188R60J105KA01 Farnell: 1710296 | |
| C13, C16 | 2 | Generic polarized capacitor | 10u/Tantalum | Farnell: 1213794 | |
| D1 | 1 | Schottky Diode | STPS160A / STPS2L40U | ST: STPS2L40UF | |
| J1 | 1 | Plug Assembly, 40-Pin Connector | Connector 40 | Tycoelectronics: 174218-2; Fujitsu: FCN238P040-G/F | J1 |
| J2, J8 | 2 | 1pin header, 2mm Banana Receptacle | 2MM_REC | | J2, J8 |
| J3, J4, J5, J6, J7 | 5 | 1pin header | GND | Farnell: 1593411 | |
| J9 | 1 | RJ45 Ethernet connector with integrated magnetic | RJ-45 | Pulse: J00-0086NL | |
| JP1, JP4, JP5, JP6, JP7, JP19, JP20 | 7 | 2pin Jumper Wire | Jumper | Farnell: 1593411 | |
| JP8, JP9, JP10, JP11, JP12, JP13, JP14, JP15, JP16, JP17, JP18 | 11 | 3pin Jumper Wire | Jumper3 | Farnell: 1593412 | |
| L1, L2 | 2 | Ferrite bead | NFE31PT222Z1E9L Murata | Farnell: 9528172 | |
| LED1, LED2 | 2 | Generic LED | Yellow | Farnell: 1226420 | |
| LED3, LED4, LED8 | 3 | Generic LED | Red | Farnell: 1226392 | |
| LED5, LED6 | 2 | Generic LED | Green | Farnell: 1226373 | |
| P1 | 1 | Header, 20-Pin, Dual row | Header 10X2 | Farnell: 1593446 | |
| R1 | 1 | Generic Resistor | 5K6 | Farnell: 1514773 | |
| R2 | 1 | Generic Resistor | 91K | Farnell: 1646361 | |
| R3, R4 | 2 | Generic Resistor | 10K | Farnell: 1601277 | |
| R5 | 1 | Generic Resistor | 1M NA | Farnell: 1631320 | R5 |
| R6, R8 | 2 | Generic Resistor | 750 | Farnell: 1399909 | R6, R8 |
| R7, R9 | 2 | Generic Resistor | 1K2 | Farnell: 1632396 | |
| R17, R18, R19, R20, R21, R22, R23, R24 | 8 | Generic Resistor | 2K2 | Farnell: 1632417 | |
| R25 | 1 | Generic Resistor | 330R | Farnell: 1646224 | |
| R26, R28, R30 | 3 | Generic Resistor | 2K | Farnell: 1632414 | |
| R27, R32 | 2 | Generic Resistor | 470R | Farnell: 9367659 | |
| R29 | 1 | Generic Resistor | 220R | Farnell: 1646159 | |
| R31, R33, R34, R35 | 4 | Generic Resistor | 75R | Farnell: 9331549 | R31, R33, R34, R35 |
| SB1, SB2, SB3, SB4, SB5, SB6, SB7, SB8, SB9, SB10 | 10 | Soldering Bridge | Soldbridge | | SB4, SB5 |

| | | | | | |
|--------|----|--|--------------------|--------------------------------|--|
| U1 | 1 | 10/100 Fast Ethernet 3.3 V Transceiver | ST802RT1A | ST: ST802RT1A | |
| U2, U5 | 2 | ESD protection, DALC208SC6 | DVIULC6-2P6 | ST: DVIULC6-2P6 | |
| U3 | 1 | | LD1117S33 | ST: LD1117S33 | |
| U4 | 1 | H1300 Ethernet Transformer | H1300 (Pulse) | | |
| X1 | 1 | Epson Crystal: FA-238 | 25MHz | Farnell: 1712818 | |
| Jumper | 18 | JUMP-SW OPEN BLACK | JUMP-SW OPEN BLACK | GME: 832-140; Farnell: 4218152 | |