

| Bill of Materials | | | | | | |
|---|--|--|-------------------|----------------------------|--------------|----------|
| Project Title: Carte Aiguillage LocoNet - V2 | | | | | | |
| Project File Name: Nomenclature Carte aiguillage V2 | | | | | | |
| Assembly Variant: None | | | | | | |
| DesignItemId | Description | Designator | Manufacturer 1 | Manufacturer Part Number 1 | JLPCB Part # | Quantity |
| | SMD Chip Resistor, 47 kohm, ± 1%, 125 mW, 0805 [2012 Metric], Thick Film, General Purpose | R6 | Yageo | RC0805FR-0747KL | C17713 | 1 |
| | Resonator, Ceramic, 16 MHz, SMD, 3 Pin, 40 ohm, ± 0.5% | Y1 | MURATA | CSTNE16M0V53C000R0 | C32180 | 1 |
| | Ceramic Capacitor for Automotive 100nF ±10% 100VDC X7R 0805 | C1,C2,C3,C9,C10,C11,C12,C13,C14,C15,C5 | Murata | GCM21BR72A104KA37L | C28233 | 11 |
| | Bipolar (BJT) Single Transistor, NPN, 40 V, 600 mA, 300 mW, SOT-23, Surface Mount | Q1 | DIODES INC. | MMBT2222A-7-F | C916372 | 1 |
| | SMD Chip Resistor, 63.4 kohm, ± 1%, 125 mW, 0805 [2012 Metric], Thick Film, General Purpose | R12 | Yageo | RC0805FR-0763K4L | C137501 | 1 |
| | SMD Chip Resistor, 1 kohm, ± 1%, 125 mW, 0805 [2012 Metric], Thick Film, General Purpose | R5,R8 | Yageo | RC0805FR-071KL | C95781 | 2 |
| | Power Inductor (SMD), AEC-Q200, 15 µH, 560 mA, Semishielded, 570 mA, LQH2HPZ_GR, 1008 [2520 | L1 | Murata | LQH2HPZ150MGRL | C2997547 | 1 |
| | SMD Chip Resistor, 39 kohm, ± 1%, 125 mW, 0805 [2012 Metric], Thick Film, General Purpose | R2 | Yageo | RC0805FR-0739KL | C113306 | 1 |
| | Optocoupleur, Sortie transistor, 1 voie, Montage en surface DIP, 4 Broche(s), 50 mA, 5 kV, 50 % | IC2 | BROADCOM | HCPL-817-300E | C3025163 | 1 |
| | Standard Recovery Diode, 1 kV, 1 A, Single, 1.3 V, 500 ns, 30 A | D1 | ONSEMI | RS1M | C2909831 | 1 |
| | SMD Chip Resistor, 510 ohm, ± 1%, 125 mW, 0805 [2012 Metric], Thick Film, General Purpose | R7 | Yageo | RC0805FR-07510RL | C17734 | 1 |
| | Schottky Rectifier, 100 V, 1 A, Single, DO-214AC (SMA), 2 Pins, 790 mV | D4 | DIODES INC. | B1100-13-F | C110106 | 1 |
| | Condensateur céramique multicouche CMS, 22 µF, 6.3 V, 0805 [Métrique 2012], ± 20%, X5R, GRM Series | C6 | MURATA | GRM21BR60J226ME39L | C77071 | 1 |
| | Small Signal Diode, Single, 75 V, 150 mA, 1.25 V, 4 ns, 2 A | D3 | DIODES INC. | 1N4148WS-7-F | C60580 | 1 |
| | SMD Chip Resistor, 10 kohm, ± 1%, 125 mW, 0805 [2012 Metric], Thick Film, General Purpose | R9,R10,R14,R11 | Yageo | RC0805FR-0710KL | C17414 | 4 |
| | MULTICOMP PRO OVS-0806LED, Jaune, CMS, 0805 [Métrique 2012], 20 mA, 2.1 V, 589 nm | D7 | MULTICOMP PRO | OVS-0806 | C84261 | 1 |
| | MULTICOMP PRO OVS-0808LED, Rouge, CMS, 0805 [Métrique 2012], 20 mA, 2.1 V, 625 nm | D6 | MULTICOMP PRO | OVS-0808 | C84256 | 1 |
| | MULTICOMP PRO MC703-1062LED, Vert, CMS, 0805 [Métrique 2012], 20 mA, 4 V, 520 nm | D2,D5,D12 | MULTICOMP PRO | MC703-1062 | C2297 | 5 |
| | DC-DC Switching Buck (Step Down) Regulator, Adjustable, 4.4V-50Vin, 2V-24Vout, 500mAout, SOT-23-6 | IC3 | MICROCHIP | MCP16331T-E/CH | C105695 | 1 |
| | Resettable Fuse, PPTC, 1210 (3225 Metric), PolySwitch microSMD Series, 30 VDC, 100 mA, 250 mA | F1 | LITTELFUS | MICROSMD010F-2 | C2649903 | 1 |
| | Résistance zéro ohm, Cavalier, 0805 [2012 Metric], Couche épaisse, 125 mW, 2 A, CMS, RC_L Series | R13 | Yageo | RC0805JR-100RL | C17477 | 1 |
| | MCU 8 bits, AVR ATmega Family ATmega328 Series Microcontrollers, AVR, 20 MHz, 32 KB, 32 Broche(s) | IC5 | MICROCHIP | ATMEGA328P-AU | C14877 | 1 |
| | Résistance à puce CMS, Couche épaisse, 220 ohm, ± 1%, 125 mW, 0805 [2012 Metric], Couche épaisse | R16,R17,R18,R23 | Yageo | RC0805FR-07220RL | C17557 | 4 |
| | Condensateur tantale CMS, 4.7 µF, 16 V, 1206 [Métrique 3216], ± 10%, 4 ohm, A | C7 | KYOCERA AVX | TAJA475K016RNJ | C7187 | 1 |
| | Condensateur céramique multicouche CMS, 22 µF, 50 V, 2220 [Métrique 5750], ± 20%, X7R, CGA | C4 | TDK | CGA9P3X7R1H226M250KB | C784103 | 1 |
| | Résistance à puce CMS, Couche épaisse, 27 kohm, ± 1%, 125 mW, 0805 [2012 Metric], Couche épaisse | R15 | Yageo | RC0805FR-0727KL | C114533 | 1 |
| | Condensateur céramique multicouche CMS, 10 µF, 25 V, 0805 [Métrique 2012], ± 10%, X5R, GRM Series | C8 | MURATA | GRM21BR61E106KA73L | C15850 | 1 |
| | Résistance à puce CMS, Couche épaisse, 4.7 kohm, ± 1%, 125 mW, 0805 [2012 Metric], Couche épaisse | R1 | Yageo | RC0805FR-074K7L | C60816 | 1 |
| | Résistance à puce CMS, Couche épaisse, 150 kohm, ± 1%, 125 mW, 0805 [2012 Metric], Couche épaisse | R3 | Yageo | RC0805FR-07150KL | C17470 | 1 |
| | Comparateur analogique, Tension de précision, 2 Canal(aux), 1.3 µs, 2V à 36V, ± 1V à ± 18V, SOIC | IC1 | TEXAS INSTRUMENTS | LM393MX/NOPB | C352859 | 1 |
| | Régulateur LDO Tension fixe, entrée 15V, Dropout 1.2V, Sortie 5V/800mA, SOT-223-3 | IC4 | TEXAS INSTRUMENTS | LM1117IMPX-5.0/NOPB | C41202 | 1 |
| | Résistance à puce CMS, 240 kohm, ± 1%, 125 mW, 0805 [2012 Metric], Couche épaisse, Usage Général | R4 | Yageo | RC0805FR-07240KL | C137564 | 1 |
| | Relais de signaux, 5 VDC, DPDT, 2 A, G5V-2, Traversant, Non verrouillable | K2 | OMRON ELECTRONIC | G5V-2 DC5 | C54512 | 1 |
| | MULTICOMP PRO BC337Transistor simple bipolaire (BJT), NPN, 45 V, 500 mA, 625 mW, TO-92, Traversant | Q2 | MULTICOMP PRO | BC337 | C463440 | 1 |
| | MSTBA 2,5/ 2-G-5,08 Bornier, Embase, 5.08 mm, 2 Voies, 12 A, 320 V, Traversant angle droit | J5,J7,J8 | PHOENIX CONTACT | 1757242 | C90074 | 3 |
| | Connecteur modulaire, Fiche modulaire femelle, 1 x 1 (Port), 6P6C, Montage traversant | J1,J2 | WURTH ELEKTRONIK | 615006138421 | C189747 | 2 |
| | Header mâle, Carte-à-carte, 2.54 mm, 2 Rangée(s), 6 Contact(s), Traversant, TSW | JP1 | SAMTEC | TSW-103-07-G-D | C706893 | 1 |
| | MSTBA 2,5/ 3-G-5,08 Bornier, Embase, 5.08 mm, 3 Voies, 12 A, 250 V, Traversant angle droit | J3,J6 | PHOENIX CONTACT | 1757255 | C92141 | 2 |
| | MSTB2,5/3-ST-5,08 Bornier enfichable, 5.08 mm, 3 Voies, 24AWG à 12AWG, 2.5 mm², Par vis, 12 A | | PHOENIX CONTACT | 1757022 | C92143 | 2 |
| | MSTB 2.5/ 2-ST-5.08 Bornier enfichable, 5.08 mm, 2 Voies, 24AWG à 12AWG, 2.5 mm², Par vis, 12 A | | PHOENIX CONTACT | 1757019 | C5187912 | 3 |