Montaggio scheda MAK-NANO2RL-107

Schema elettrico

Immagine che contiene testo, diagramma, Piano, schematico

Descrizione generata automaticamente

Immagine che contiene circuito, Ingegneria elettronica, testo, elettronica

Descrizione generata automaticamente

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| **Reference** | **Value** |  | **Footprint** |
| A1 | Arduino\_Nano | | Module:Arduino\_Nano |
| BZ1 | Buzzer |  | Buzzer\_Beeper:Buzzer\_15x7.5RM7.6 |
| C1,C3,C6 | 0.1uF |  | Capacitor\_THT:C\_Disc\_D4.3mm\_W1.9mm\_P5.00mm |
| C2 | 100uF |  | Capacitor\_THT:C\_Radial\_D6.3mm\_H7.0mm\_P2.50mm |
| C4 | XuF optional |  | Capacitor\_THT:C\_Disc\_D4.3mm\_W1.9mm\_P5.00mm |
| C5 | 1uF optional |  | Capacitor\_THT:C\_Disc\_D4.3mm\_W1.9mm\_P5.00mm |
| D1,D2,D3,D4,D5,D6,  D7,D10,D11 | LED colori vari |  | LED\_THT:LED\_D3.0mm  Anodo pad tondo  Katodo pad quadro |
| D8,D9 | 1N4148 |  | Diode\_THT:D\_DO-41\_SOD81\_P2.54mm\_Vertical\_AnodeUp  Anodo pad tondo  Katodo pad quadro |
| H1,H2,H3,H4 | Vite+dado M3 | | MountingHole:MountingHole\_3.2mm\_M3\_DIN965\_Pad |
| J1 | Conn\_02x13\_  IDC | | Connector\_IDC:IDC-Header\_2x13\_P2.54mm\_Vertical |
| J2,J3,J5 | Conn\_01x03\_Pin | | Connector\_Wago:Wago\_734-133\_1x03\_P3.50mm\_Vertical |
| J4 | Conn\_02x05\_  IDC  WATCHDOG32 | | Connector\_IDC:IDC-Header\_2x05\_P2.54mm\_Vertical |
| K1,K2 | G5V-1 DC12 | | Relay\_THT:Relay\_SPDT\_HsinDa\_Y14 Y14x-1C-xxDS |
| Q1,Q2 | BC337 |  | Package\_TO\_SOT\_THT:TO-92\_ |
| R1,R2,R3,R4,R6,  R12,R20 | 330 - 1/4W |  | Resistor\_THT:R\_Axial\_DIN0204\_L3.6mm\_D1.6mm\_P2.54mm\_Vertical |
| R5 | 470 - 1/4W |  | Resistor\_THT:R\_Axial\_DIN0204\_L3.6mm\_D1.6mm\_P2.54mm\_Vertical |
| R7,R13,R15 | 1K - 1/4W |  | Resistor\_THT:R\_Axial\_DIN0204\_L3.6mm\_D1.6mm\_P2.54mm\_Vertical |
| R8 | 22K - 1/4W |  | Resistor\_THT:R\_Axial\_DIN0204\_L3.6mm\_D1.6mm\_P2.54mm\_Vertical |
| R9,R16 | 4K7 - 1/4W |  | Resistor\_THT:R\_Axial\_DIN0204\_L3.6mm\_D1.6mm\_P2.54mm\_Vertical |
| R10,R11,R19 | JUMP  Optional |  | Resistor\_THT:R\_Axial\_DIN0204\_L3.6mm\_D1.6mm\_P2.54mm\_Vertical |
| R14 | JUMP  Optional |  | Resistor\_THT:R\_Axial\_DIN0204\_L3.6mm\_D1.6mm\_P2.54mm\_Vertical |
| R17,R18 | N.M.  Short opto |  | Resistor\_THT:R\_Axial\_DIN0204\_L3.6mm\_D1.6mm\_P2.54mm\_Vertical |
| RV1,RV2 | Trimmer 10K | | Potentiometer\_THT:Potentiometer\_Bourns\_3296W\_Vertical |
| U1,U2 | SFH617A-1  PC817C | | Package\_DIP:DIP-4\_W7.62mm |
| U3 | TRACO TSR2-2450  optional | | Converter\_DCDC:Converter\_DCDC\_TRACO\_TSR-1\_THT |
| Box 120x65x40 | box |  |  |

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| BUZZER | PORT D2 |
| LED D1 | PORT D7 |
| LED D2 | PORT D10 |
| LED D3 | PORT D13 |
| LED D4 | PORT D3 |
| LED D5 | PORT D4 |
| LED D6 | SPIA +12v |
| LED D7 | SPIE +5v |
| LED D10 | SPIA RELAY NC/COM/NO2 |
| LED D11 | SPIA RELAY NC/COM/NO1 |
| A0 | TRIMMER 1 |
| A1 | TRIMMER2 |
| A2 | LETTURA COM1 (R10) |
| A3 | LETTURA NO2 (R11) |
| A4 | SDA |
| A5 | SCL |
| TRIGGER WATCHDOG32 | PORT D7 |
| ENABLE WATCHDOG32 | PORT D9 |
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