

| Manufacturer       | Manufacturer Part Number | Name           | Designator  | Qty | Description  | Case               | SMD ,BGA,LCC,OR TH | points | points |
|--------------------|--------------------------|----------------|---|-----|--|--------------------|--------------------|--------|--------|
| Vishay             | CRCW060322R0FKEA         | Resistors      | R2, R4  | 2   | 22R,5%,0. 125W, 0603   | 0603               | SMD                | 2      | 4      |
| Yageo              | AC0603FR-0710KL          |                | R3, R5, R6, R7, R8, R9  | 7   | 10K,1%,0. 125W, 0603   | 0603               | SMD                | 2      | 14     |
| Yageo              | AC0603FR-0711ML          |                | R1  | 1   | 1M,1%,0. 125W, 0603  | 0603               | SMD                | 2      | 2      |
| Yageo              | AC0603FR-071KL           |                | R10, R11  | 2   | 1K,1%,0. 125W, 0603  | 0603               | SMD                | 2      | 4      |
| Vishay             | VJ0603Y103KXAAC          | Capacitors     | C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23                            | 16  | 10nF,50V,10%,X7R,0603  | 0603               | SMD                | 2      | 32     |
| Vishay             | VJ0805V105MXXRW1BC       |                | C6, C7  | 2   | 1uF,25V, 10%, X7R, 0805  | 0805               | SMD                | 2      | 4      |
| Vishay             | VJ0603Y104KXJCW1BC       |                | C1, C2, C3, C4, C5  | 5   | 100nF,50V,10%, X7R, 0603   | 0603               | SMD                | 2      | 10     |
| Bourns             | MH2029-300Y              | Magnetic Bead  | L1, L2  | 2   | 30R,3A,0805  | 0805               | SMD                | 2      | 4      |
| Bourns             | CG0603MLC-05E            | Varistor       | Z1, Z2  | 2   | ESD,5V,0603  | 0603               | SMD                | 2      | 4      |
| ON Semiconductor   | BAV70LT3G                | Diode          | D1, D2, D3, D4, D5, D6, D7, D8  | 8   | Diodos: de propósito general, potencia y conmutación 70V 200mA Dual Common Cathode | SOT-23-3           | SMD                | 3      | 24     |
| Vishay             | 1N4148WS                 |                | D16   | 1   | DIODE, H SPEED, 100V, 0.15A, SOD323  | SOD-323            | SMD                | 2      | 2      |
| Vishay Siliconix   | SI9933CDY-T1-E3          | MOSFET         | Q2  | 1   | MOSFET, PP CH, 20V, 8SOIC  | 8-SOIC N           | SMD                | 8      | 8      |
| Murata Electronics | CSTCE16M0V53-R0          | CER RESONATOR  | Y2  | 1   | Resonadores 16Mhz  | 3-SMD              | SMD                | 3      | 3      |
| Dialight           | 598-8150-107F            |                | LED1, LED2  | 2   | yellow,0805  | 0805               | SMD                | 2      | 4      |
| Dialight           | WS2812                   | LED            | LED3, LED4, LED5, LED6, LED7, LED8, LED9, LED10, LED11, LED12, LED13, LED14, LED15, LED16, LED17, LED18 | 16  | Intelligent control LED integrated light source                                    | 5050               | SMD                | 6      | 96     |
| Bourns             | MF-MSMF050-2             | Fuse           | F1  | 1   | 15V,500mA,1812 (4532 Metric)   | 1812               | SMD                | 2      | 2      |
| Atmel              | ATMEGA32U4-AU            | IC             | U1  | 1   | ATMEGA32U4-AU,TQFP-44  | TQFP-44            | SMD                | 44     | 44     |
| TAD                | KSS241G                  | SWITCH         | S1  | 1   | Interruptores táctiles SPST-NO G LEAD 400g   | 1 Form A (SPST-NO) | SMD                | 4      | 4      |
| ALPS               | RS6011YA6009             | Potenciometers | P1  | 1   | Potenciómetros deslizantes 10 KOhms 20%  |                    | TH                 | 8      | 8      |
| FCI                | 10118194-0001LF          | MICRO USB      | X1  | 1   | USB Connectors MICRO USB   |                    | SMD/TH             | 9      | 9      |