



| Comment              | Description  | Designator      | Footprint                               | LibRef            | Quantity |
|----------------------|--|-----------------|---|-------------------|----------|
| TSSP4038             | IR Receiver Module<br>38KHz 25m EMI 3-Pin<br>Vishay TSSP4038,<br>38kHz IR Receiver,<br>950nm +/-45 , 25m<br>Range, 2.5V - 5V,<br>Through Hole, 6 x 3.9<br>x 6.95mm | B1              | TSSP4038                                | TSSP4038          | 1        |
| 1µF                  | WCAP-ATG8<br>Aluminum<br>Electrolytic<br>Capacitor, Radial,<br>THT, D5 x H11mm,<br>100µF, 10V  | C1b             | WCAP-ATG8_D5H11                         | 860010272005      | 1        |
| 0,01uF               | WCAP-CSGP<br>Multilayer Ceramic<br>Chip Capacitor,<br>General Purpose,<br>size 0201, NP0 Class I,<br>22pF, 25VDC   | C2b, C3, C4, C6 | WCAP-<br>CSGP_0805_L2W1.25<br>H0.8_Wave | 885012004008      | 4        |
| 4,7µF                | WCAP-ATG8<br>Aluminum<br>Electrolytic<br>Capacitor, Radial,<br>THT, D5 x H11mm,<br>100µF, 10V  | C5              | WCAP-ATG8_D5H11                         | 860010272005      | 1        |
| 1N4148               | Diode Standard 75V<br>200mA Surface<br>Mount SOD-523F  | D1b, D2b        | DIOAD829W49L456D1<br>91                 | 1N4148            | 2        |
| TSAL4400             | Infrared Emitter<br>940nm 36mW/sr<br>Circular Top Mount 2-<br>Pin T-1 Bulk   | IR1             | LEDRD254W45D335H6<br>10                 | TSAL4400          | 1        |
| Super Red, 2.1V, 40° | WL-TMRC Mono-<br>color Round Color,<br>THT, D5.9 x H8.7mm,<br>Super Red, 2.1V, 40°   | LED1            | WL-TMRC_D5.9H8.7                        | LED_151051SS04000 | 1        |
| BC558                | Bipolar (BJT)<br>Transistor PNP 30 V<br>100 mA 360MHz 625<br>mW Through Hole TO-<br>92 (TO-226)  | Q1              |   | BC558             | 1        |
| 1k                   | 4.7k Resistor 0805   | R1b             | RESC2012X50N                            | RESISTOR 0805     | 1        |
| 5,6k                 | 4.7k Resistor 0805   | R2, R3b, R4     | RESC2012X50N                            | RESISTOR 0805     | 3        |
| 470                  | 4.7k Resistor 0805   | R5              | RESC2012X50N                            | RESISTOR 0805     | 1        |
| 10k                  | 4.7k Resistor 0805   | R6              | RESC2012X50N                            | RESISTOR 0805     | 1        |
| 470k                 | 4.7k Resistor 0805   | R7              | RESC2012X50N                            | RESISTOR 0805     | 1        |
| 100 Ohm              | 4.7k Resistor 0805   | R8              | RESC2012X50N                            | RESISTOR 0805     | 1        |
| 4,7k                 | 4.7k Resistor 0805   | R9              | RESC2012X50N                            | RESISTOR 0805     | 1        |
| 9913-05-20TR         | RELAY STANDARD<br>REED, 5V, 200 OHMS,<br>J FORM, TR. / TAPE-<br>REEL   | RL1             | 99130520TR                              | 9913-05-20TR      | 1        |
| NE555P               |  | U1b, U2b, U3    | DIP794W45P254L959<br>H508Q8             | NE555P            | 3        |
| T93YA101KT20         | 100, Through Hole<br>Trimmer<br>Potentiometer 0.5W<br>Top Adjust Vishay,<br>T93  | VR1             | T93YA5K10                               | T93YA101KT20      | 1        |