













| Title | | |
|-------|-------------------------------|-----------|
| Size | Number | Revision |
| A4 | | |
| Date: | 29.1.2017 | Sheet of |
| File: | D:\work\...\optosenzor.SchDoc | Drawn By: |

| Comment | Description | Designator | Footprint | LibRef | Quantity | Value |
|----------|--------------------------------|-------------------------------------|-------------|---------------|----------|-------|
| | | 5V, 5V_, GND, GND_, IR-ON, IZHOD | En_pin_TP | En_pin | 6 | |
| IR LED | Typical BLUE SiC LED | D1 | 3.5X2.8X1.9 | LED3 | 1 | |
| TEMD5100 | Photosensitive Diode | D2 | 3.5X2.8X1.9 | Photo Sen | 1 | |
| ZD3V3 | Schottky Rectifier | D3 | 0805 | Diode 10TQ040 | 1 | |
| Res2 | Resistor | R1 | 0603 | Res2 | 1 | 120E |
| Res2 | Resistor | R2 | 0603 | Res2 | 1 | 47k |
| Res2 | Resistor | R3 | 0603 | Res2 | 1 | 499k |
| Res2 | Resistor | R4, R6 | 0603 | Res2 | 2 | 2k2 |
| Res2 | Resistor | R5 | 0603 | Res2 | 1 | 15k |
| BC847C | NPN General-purpose Transistor | Tr1, Tr2, Tr3 | SOT23 | BC847 | 3 | |
| | | | | | | |