

Fiducial 1mm



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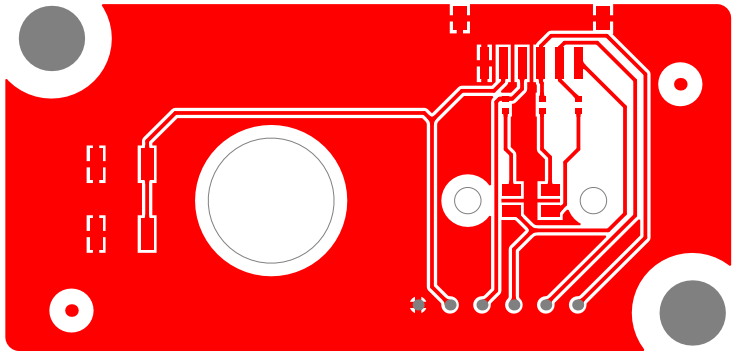
FX_3.5_5.2_Pad

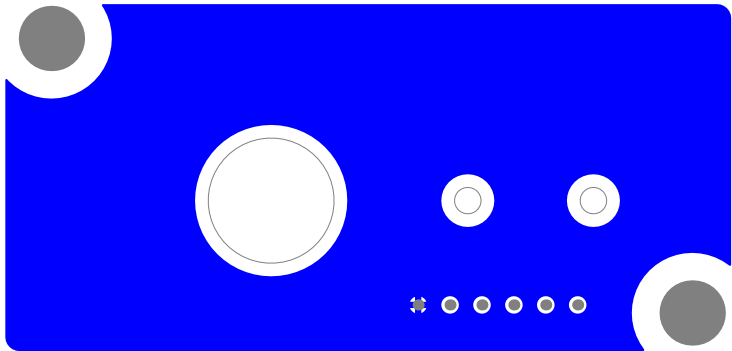


FX_3.5_5.2_Pad



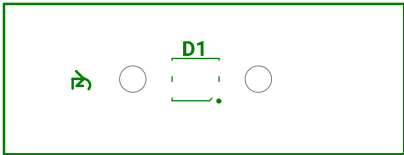
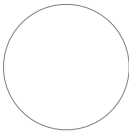
| | | | | | |
|---------|------------|---------|----------------|-----------|--------|
| Title | | | RGB_LED | | |
| Project | | | 0001836.PrjPcb | | |
| Author | | | bq | | |
| Size: | A4 | Number: | 1 | Revision: | 1.0 |
| Date: | 24/04/2018 | Time: | 13:13:30 | Sheet | 1 of 1 |





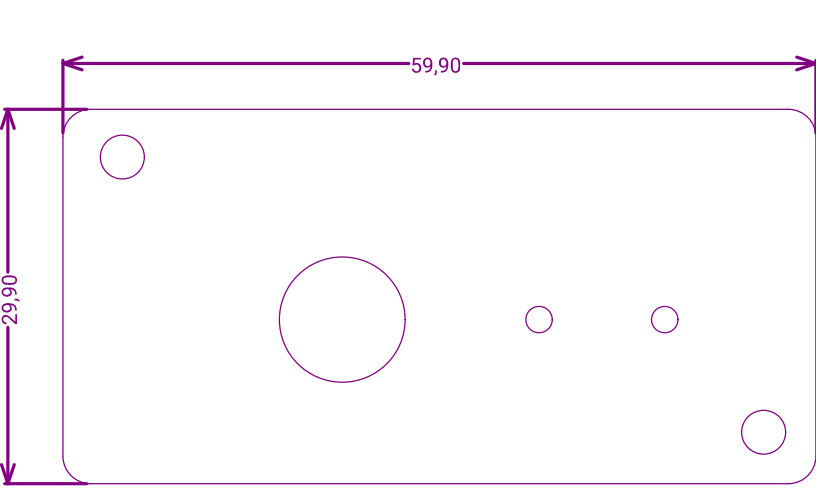
RGB LED Board
Rev.1.0

bq



○ GND
○ BUT
○ BLUE
○ VCC
○ RED
○ G





| Layer | Name | Material | Thickness | Constant | Board Layer Stack |
|-------|----------------|---------------|-----------|----------|-------------------|
| 1 | Top Overlay | | | | |
| 2 | Top Solder | Solder Resist | 0,010mm | 3,5 | |
| 3 | Top Layer | Copper | 0,036mm | | |
| 4 | Dielectric 1 | FR-4 | 1,500mm | 4,5 | |
| 5 | Bottom Layer | Copper | 0,036mm | | |
| 6 | Bottom Solder | Solder Resist | 0,010mm | 3,5 | |
| 7 | Bottom Overlay | | | | |

| Designator | Description | Quantity | Manufacturer | OrderingCode | Manufacturer 2 | OrderingCode 2 | Footprint | Value |
|------------|---------------------------|----------|------------------|------------------------|----------------|------------------|----------------|-----------------|
| D1 | RGB LED | 1 | Würth Elektronik | 150141M173100 | Brightek | 1SC3528VGB01MH08 | RGB_3.5x2.8mm | |
| J1 | 1x6 JST SideBox ZR Series | 1 | JST | S6B-ZR-SM4A-TF(LF)(SN) | | | S6B-ZR-SM4A-TF | 6 |
| R1, R3 | R0402_91R_0.063W_±5% | 2 | Vishay | CRCW040291R0JN | | | R0402 | 91R ±5% 0.063W |
| R2 | R0402_150R_0.063W_±5% | 1 | Vishay | CRCW0402150RJN | | | R0402 | 150R ±5% 0.063W |
| SW1 | KSC621JLFS | 1 | C&K | KSC621JLFS | | | KSC621JLFS | |

