

BigBrother V1.1 - Bill of material

Author:
Joel - MyFreescaleWebPage
<http://myfreescalewebpage.free.fr>

Last revision of this document: 1.0 of 2013-11-17.

Table of contents

Revisions 1
Bill of material 2

Revisions

| Version | Date | Changes |
|---------|------------|---|
| 1.0 | 2013-11-17 | First release of the document for BigBrother V1.1 |

Bill of material

| Part | Value | Package | Comment |
|------|-------------------------|---------|--------------------------------------|
| C1 | 33 to 100 μ F - 35V | | |
| C2 | 33 to 47 μ F - 6.3V | | |
| C3 | 33 to 47 μ F - 6.3V | | |
| C4 | 100nF | 1206 | |
| C5 | 100nF | 1206 | |
| C6 | 100nF | 1206 | |
| C7 | 18pF | 1206 | |
| C8 | 18pF | 1206 | |
| C9 | 100nF | 1206 | |
| C10 | 18pF | 1206 | |
| C11 | 18pF | 1206 | |
| D1 | 1N4007 | D0214 | |
| D2 | 1N5817 | D0214 | |
| IC1 | LM1117-5 | TO223 | |
| IC2 | LM1117-3.3 | TO223 | |
| IC3 | MC9S08JS16 | S020W | |
| IC4 | 74LV125 | SO14 | |
| IC6 | MCF51AC256LKE | QFP80 | |
| IC8 | MAX3057ASA | SO08 | |
| LED1 | Green LED | 3mm | |
| Q1 | 12MHz | HC49 | |
| Q2 | 12MHz | HC49 | |
| R1 | 1Mohm | 1206 | |
| R2 | 33 to 56ohms | 1206 | |
| R3 | 33 to 56ohms | 1206 | |
| R4 | 100kohms | 1206 | |
| R5 | 33 to 56ohms | 1206 | |
| R6 | 1.5kohms | 1206 | |
| R7 | 10kohms | 1206 | |
| R8 | 33 to 56ohms | 1206 | |
| R9 | 0ohms | 1206 | |
| R10 | 0ohms | 1206 | Not mounted |
| R11 | 220 to 330ohms | 1206 | The value depends of LED1 |
| R12 | 1Mohm | 1206 | |
| R13 | 120ohms | 1206 | |
| S1 | Switch | | |
| X1 | Power Supply connector | | |
| X2 | Mini-USB connector | | |
| X3 | Male header | | Single 2-pins header |
| X4 | Female header | | Four 8-pins and four 6-pins headers |
| X5 | Male header | | Single 2x3-pins header and 2 jumpers |
| X7 | Terminal | | Single 4-pins 5.08mm terminal |

| | | | |
|-----|-------------|--|---|
| X8 | Male header | | Single 2-pins header and a single jumper |
| PCB | | | Can be provided by MyFreescaleWebPage Please Contact us for more information |