

BigBrother-USB V1.0 - 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-USB V1.0

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	
D3	1N5817	D0214	
IC1	LM1117-5	TO223	
IC2	LM1117-3.3	TO223	
IC3	MC9S08JS16	S020W	
IC4	74LV125	SO14	
IC5	MCF51JM128VLK	QFP80	
IC7	MAX1607ESA	SO08	
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	
R14	1.5kohms	1206	
R15	15kohms	1206	
R16	15kohms	1206	
R17	10kohms	1206	
R18	10kohms	1206	
R19	33 to 56ohms	1206	

R20	33 to 56ohms	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
X6	Mini-USB connector		
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