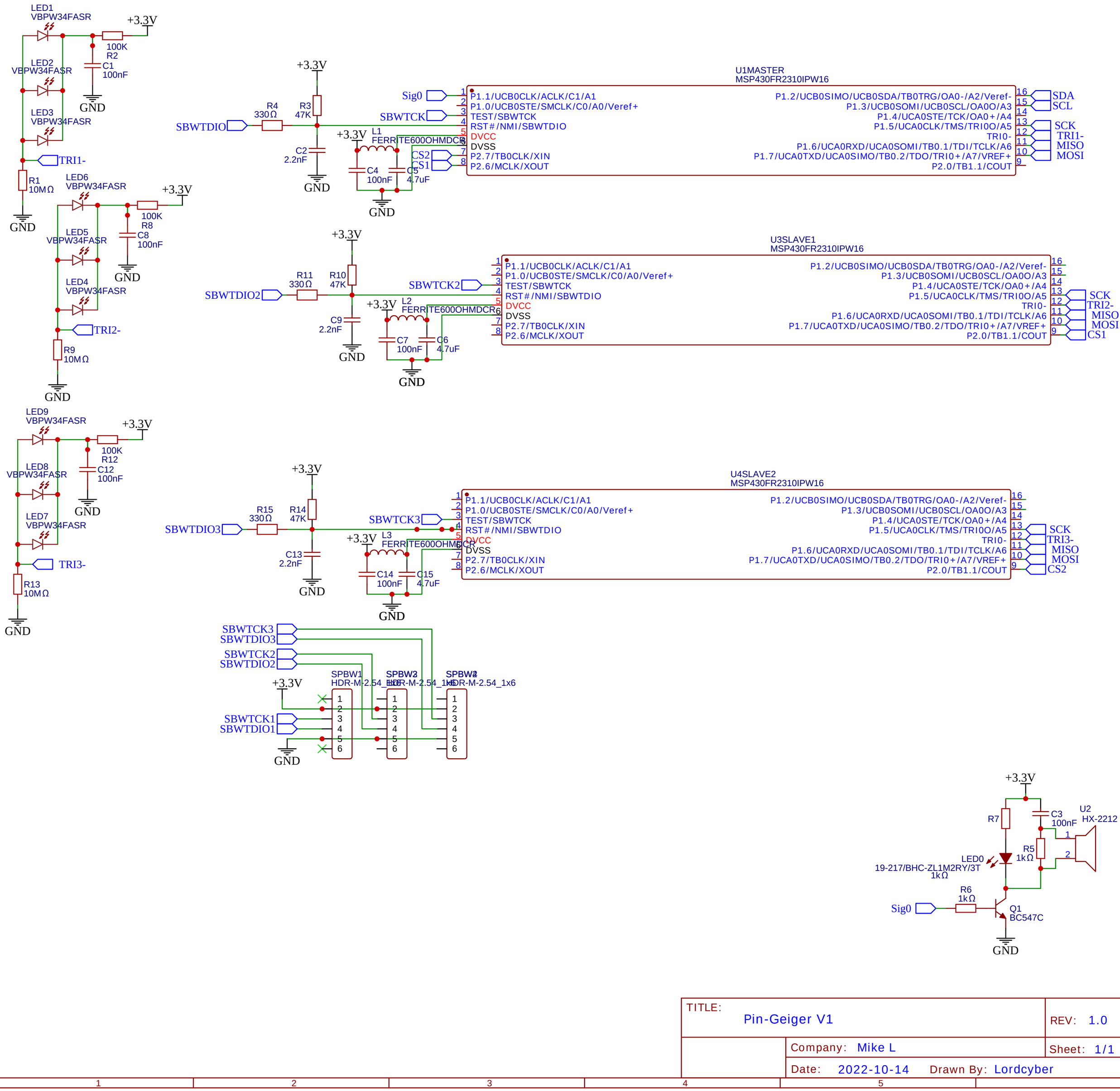
LED1
VBPW34FASR
+3.3V
100K
R2
C1
100nF
GND
LED2
VBPW34FASR
LED3
VBPW34FASR
TRI1-
R1
10MΩ
GND
LED6
VBPW34FASR
+3.3V
100K
R8
C8
100nF
GND
LED5
VBPW34FASR
LED4
VBPW34FASR
TRI2-
R9
10MΩ
GND
+3.3V
R4
330Ω
R3
47K
SBWTDIO
C2
2.2nF
GND
+3.3V
L1
FERRITE600OHMDCR
C4
100nF
C5
4.7uF
GND
Sig0
SBWTCK
CS2
CS1
U1MASTER
MSP430FR2310IPW16
P1.1/UCB0CLK/ACLK/C1/A1
P1.0/UCB0STE/SMCLK/C0/A0/Veref+
TEST/SBWTCK
RST#/NMI/SBWTDIO
DVCC
DVSS
P2.7/TB0CLK/XIN
P2.6/MCLK/XOUT
P1.2/UCB0SIMO/UCB0SDA/TB0TRG/OA0-/A2/Veref-
P1.3/UCB0SOMI/UCB0SCL/OA0O/A3
P1.4/UCA0STE/TCK/OA0+/A4
P1.5/UCA0CLK/TMS/TRI0O/A5
TRI0-
P1.6/UCA0RXD/UCA0SOMI/TB0.1/TDI/TCLK/A6
P1.7/UCA0TXD/UCA0SIMO/TB0.2/TDO/TRI0+/A7/VREF+
P2.0/TB1.1/COUT
SDA
SCL
SCK
TRI1-
MISO
MOSI
+3.3V
R11
330Ω
R10
47K
SBWTDIO2
C9
2.2nF
GND
+3.3V
L2
FERRITE600OHMDCR
C7
100nF
C6
4.7uF
GND
SBWTCK2
U3SLAVE1
MSP430FR2310IPW16
P1.1/UCB0CLK/ACLK/C1/A1
P1.0/UCB0STE/SMCLK/C0/A0/Veref+
TEST/SBWTCK
RST#/NMI/SBWTDIO
DVCC
DVSS
P2.7/TB0CLK/XIN
P2.6/MCLK/XOUT
P1.2/UCB0SIMO/UCB0SDA/TB0TRG/OA0-/A2/Veref-
P1.3/UCB0SOMI/UCB0SCL/OA0O/A3
P1.4/UCA0STE/TCK/OA0+/A4
P1.5/UCA0CLK/TMS/TRI0O/A5
TRI0-
P1.6/UCA0RXD/UCA0SOMI/TB0.1/TDI/TCLK/A6
P1.7/UCA0TXD/UCA0SIMO/TB0.2/TDO/TRI0+/A7/VREF+
P2.0/TB1.1/COUT
SCK
TRI2-
MISO
MOSI
CS1
LED9
VBPW34FASR
+3.3V
100K
R12
LED8
VBPW34FASR
C12
100nF
GND
LED7
VBPW34FASR
TRI3-
R13
10MΩ
GND
+3.3V
R15
330Ω
R14
47K
SBWTDIO3
C13
2.2nF
GND
+3.3V
L3
FERRITE600OHMDCR
C14
100nF
C15
4.7uF
GND
SBWTCK3
U4SLAVE2
MSP430FR2310IPW16
P1.1/UCB0CLK/ACLK/C1/A1
P1.0/UCB0STE/SMCLK/C0/A0/Veref+
TEST/SBWTCK
RST#/NMI/SBWTDIO
DVCC
DVSS
P2.7/TB0CLK/XIN
P2.6/MCLK/XOUT
P1.2/UCB0SIMO/UCB0SDA/TB0TRG/OA0-/A2/Veref-
P1.3/UCB0SOMI/UCB0SCL/OA0O/A3
P1.4/UCA0STE/TCK/OA0+/A4
P1.5/UCA0CLK/TMS/TRI0O/A5
TRI0-
P1.6/UCA0RXD/UCA0SOMI/TB0.1/TDI/TCLK/A6
P1.7/UCA0TXD/UCA0SIMO/TB0.2/TDO/TRI0+/A7/VREF+
P2.0/TB1.1/COUT
SCK
TRI3-
MISO
MOSI
CS2
SBWTCK3
SBWTDIO3
SBWTCK2
SBWTDIO2
SBWTCK1
SBWTDIO1
+3.3V
SPBW1
HDR-M-2.54_1x6
SPBW3
HDR-M-2.54_1x6
SPBW2
HDR-M-2.54_1x6
GND
+3.3V
R7
C3
100nF
U2
HX-2212
LED0
19-217/BHC-ZL1M2RY/3T
1kΩ
R5
1kΩ
R6
1kΩ
Sig0
Q1
BC547C
GND
TITLE:
Pin-Geiger V1
REV: 1.0
Company: Mike L
Sheet: 1/1
Date: 2022-10-14
Drawn By: Lordcyber