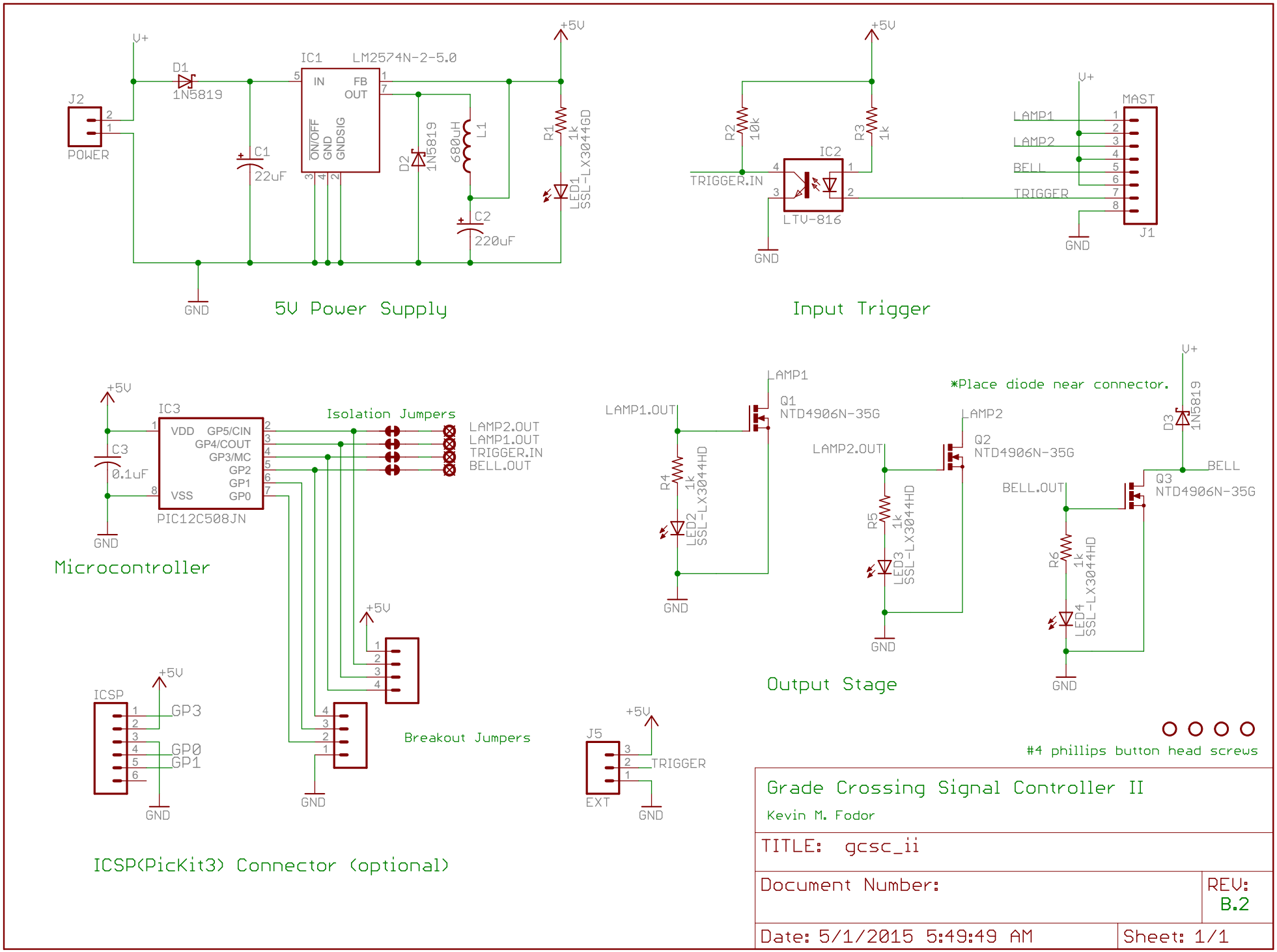
V+
D1
1N5819
J2
POWER
C1
22uF
IC1
LM2574N-2-5.0
IN
FB
OUT
ON/OFF
GND
GNDSIG
D2
1N5819
680uH
L1
C2
220uF
+5V
R1
1k
LED1
SSL-LX3044GD
GND
5V Power Supply
+5V
R2
10k
R3
1k
IC2
TRIGGER.IN
LTV-816
GND
V+
MAST
LAMP1
LAMP2
BELL
TRIGGER
J1
GND
Input Trigger
+5V
IC3
VDD
GP5/CIN
GP4/COUT
GP3/MC
GP2
GP1
GP0
VSS
PIC12C508JN
C3
0.1uF
GND
Microcontroller
Isolation Jumpers
LAMP2.OUT
LAMP1.OUT
TRIGGER.IN
BELL.OUT
+5V
Breakout Jumpers
GND
ICSP
+5V
GP3
GP0
GP1
GND
J5
+5V
TRIGGER
EXT
GND
ICSP(PicKit3) Connector (optional)
LAMP1
LAMP1.OUT
Q1
NTD4906N-35G
R4
1k
LED2
SSL-LX3044HD
GND
*Place diode near connector.
LAMP2
LAMP2.OUT
Q2
NTD4906N-35G
R5
1k
LED3
SSL-LX3044HD
GND
V+
D3
1N5819
BELL
BELL.OUT
Q3
NTD4906N-35G
R6
1k
LED4
SSL-LX3044HD
GND
Output Stage
#4 phillips button head screws
Grade Crossing Signal Controller II
Kevin M. Fodor
TITLE: gcsc_ii
Document Number:
REV: B.2
Date: 5/1/2015 5:49:49 AM
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