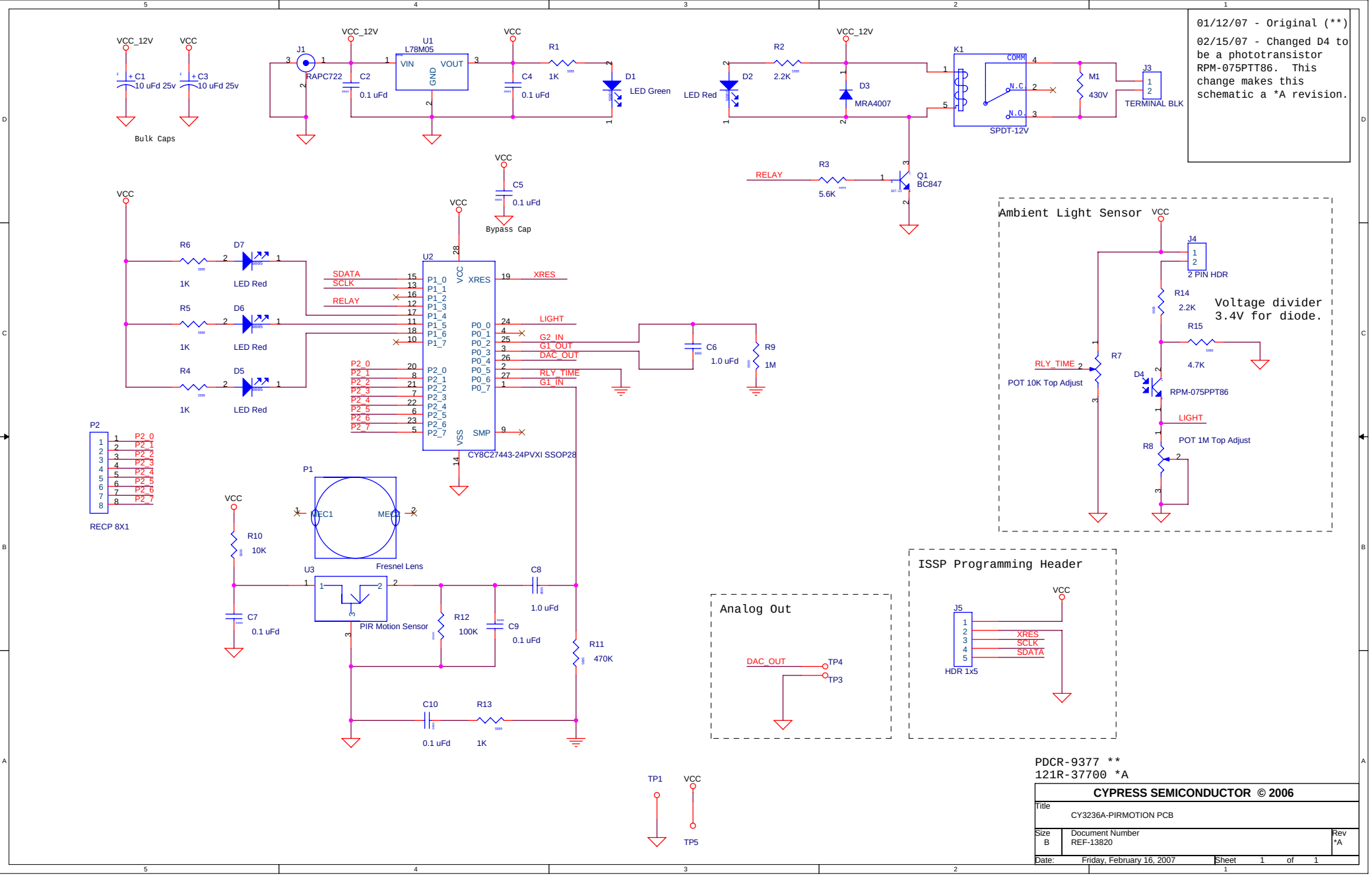
01/12/07 - Original (**)
02/15/07 - Changed D4 to be a phototransistor RPM-075PTT86. This change makes this schematic a *A revision.
VCC_12V
VCC
C1
10 uFd 25v
C3
10 uFd 25v
Bulk Caps
J1
RAPC722
U1
L78M05
VIN
VOUT
GND
C2
0.1 uFd
C4
0.1 uFd
R1
1K
D1
LED Green
R2
2.2K
D2
LED Red
D3
MRA4007
K1
SPDT-12V
COMM
N.C.
N.O.
M1
430V
J3
TERMINAL BLK
RELAY
R3
5.6K
Q1
BC847
C5
0.1 uFd
Bypass Cap
R6
R5
R4
1K
D7
D6
D5
LED Red
U2
CY8C27443-24PVXI SSOP28
SDATA
SCLK
RELAY
XRES
LIGHT
G2_IN
G1_OUT
DAC_OUT
RLY_TIME
G1_IN
P0_0
P0_1
P0_2
P0_3
P0_4
P0_5
P0_6
P0_7
P1_0
P1_1
P1_2
P1_3
P1_4
P1_5
P1_6
P1_7
P2_0
P2_1
P2_2
P2_3
P2_4
P2_5
P2_6
P2_7
SMP
C6
1.0 uFd
R9
1M
P2
RECP 8X1
P1
MEC1
MEC2
Fresnel Lens
R10
10K
U3
PIR Motion Sensor
C7
0.1 uFd
C8
1.0 uFd
R12
100K
C9
0.1 uFd
R11
470K
C10
0.1 uFd
R13
1K
Ambient Light Sensor
J4
2 PIN HDR
R14
2.2K
Voltage divider
3.4V for diode.
R15
4.7K
R7
POT 10K Top Adjust
RLY_TIME
D4
RPM-075PPT86
LIGHT
R8
POT 1M Top Adjust
Analog Out
DAC_OUT
TP4
TP3
ISSP Programming Header
J5
HDR 1x5
XRES
SCLK
SDATA
TP1
TP5
PDCR-9377 **
121R-37700 *A
CYPRESS SEMICONDUCTOR © 2006
Title
CY3236A-PIRMOTION PCB
Size
B
Document Number
REF-13820
Rev
*A
Date:
Friday, February 16, 2007
Sheet
1
of
1