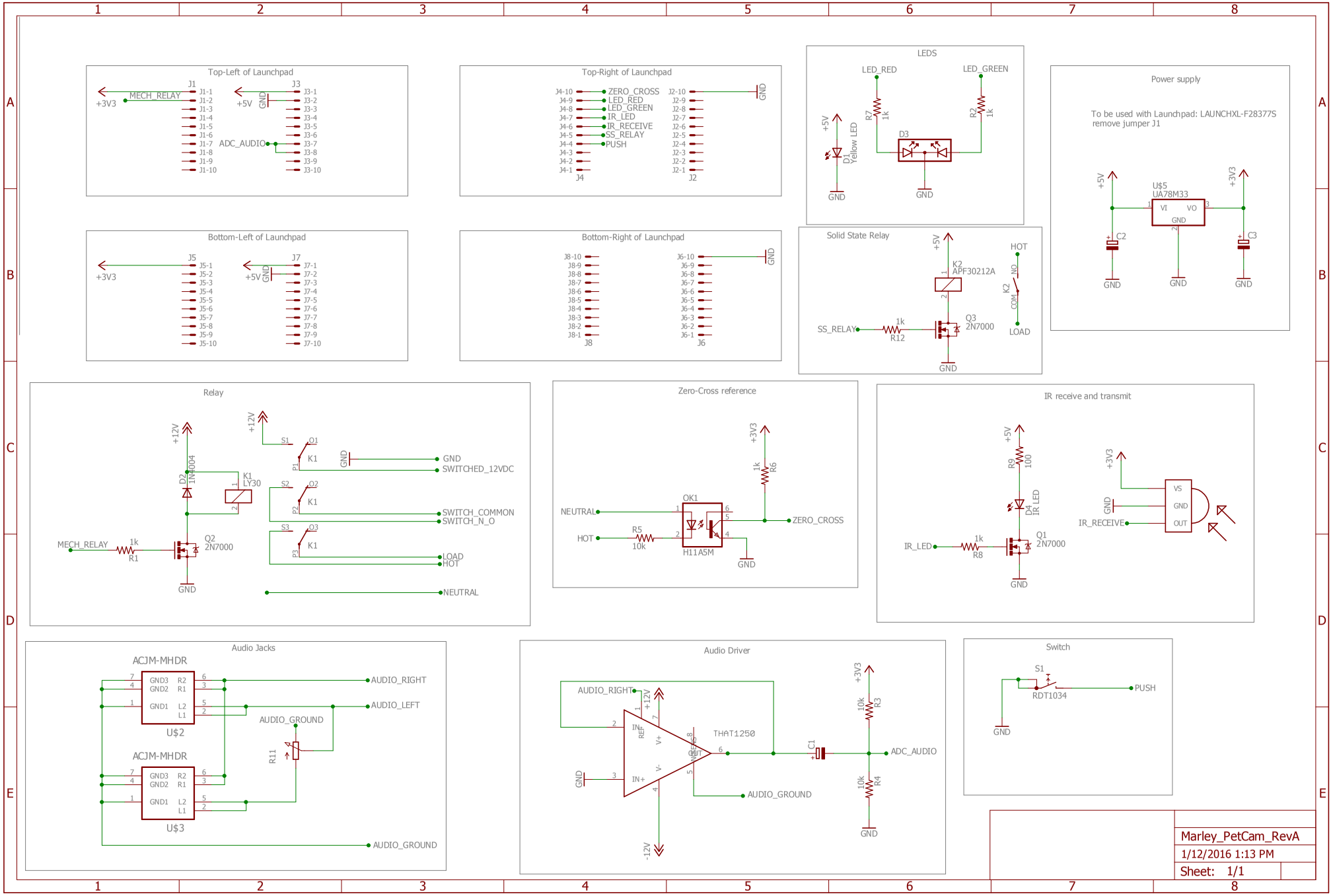
Top-Left of Launchpad
J1
J3
+3V3
MECH_RELAY
+5V
GND
ADC_AUDIO
Top-Right of Launchpad
J4-10 ZERO_CROSS
J4-9 LED_RED
J4-8 LED_GREEN
J4-7 IR_LED
J4-6 IR_RECEIVE
J4-5 SS_RELAY
J4-4 PUSH
J4
J2
LEDS
LED_RED
LED_GREEN
R7 1k
R2 1k
D1 Yellow LED
D3
Power supply
To be used with Launchpad: LAUNCHXL-F28377S
remove jumper J1
U$5
UA78M33
VI
VO
C2
C3
Bottom-Left of Launchpad
J5
J7
Bottom-Right of Launchpad
J8
J6
Solid State Relay
K2
APF30212A
HOT
NO
COM
LOAD
SS_RELAY
1k
R12
Q3
2N7000
Relay
+12V
D2
1N4004
K1
LY30
S1
O1
P1
S2
O2
P2
S3
O3
P3
GND
SWITCHED_12VDC
SWITCH_COMMON
SWITCH_N_O
LOAD
HOT
NEUTRAL
MECH_RELAY
1k
R1
Q2
2N7000
Zero-Cross reference
+3V3
1k
R6
OK1
NEUTRAL
HOT
R5
10k
H11A5M
ZERO_CROSS
IR receive and transmit
R9
100
D4
IR LED
IR_LED
1k
R8
Q1
2N7000
IR_RECEIVE
VS
OUT
Audio Jacks
ACJM-MHDR
GND3
GND2
GND1
R2
R1
L2
L1
U$2
U$3
AUDIO_RIGHT
AUDIO_LEFT
AUDIO_GROUND
R11
Audio Driver
THAT1250
IN+
IN-
REF
V+
V-
OUT
C1
10k
R3
R4
ADC_AUDIO
-12V
Switch
S1
RDT1034
PUSH
Marley_PetCam_RevA
1/12/2016 1:13 PM
Sheet: 1/1