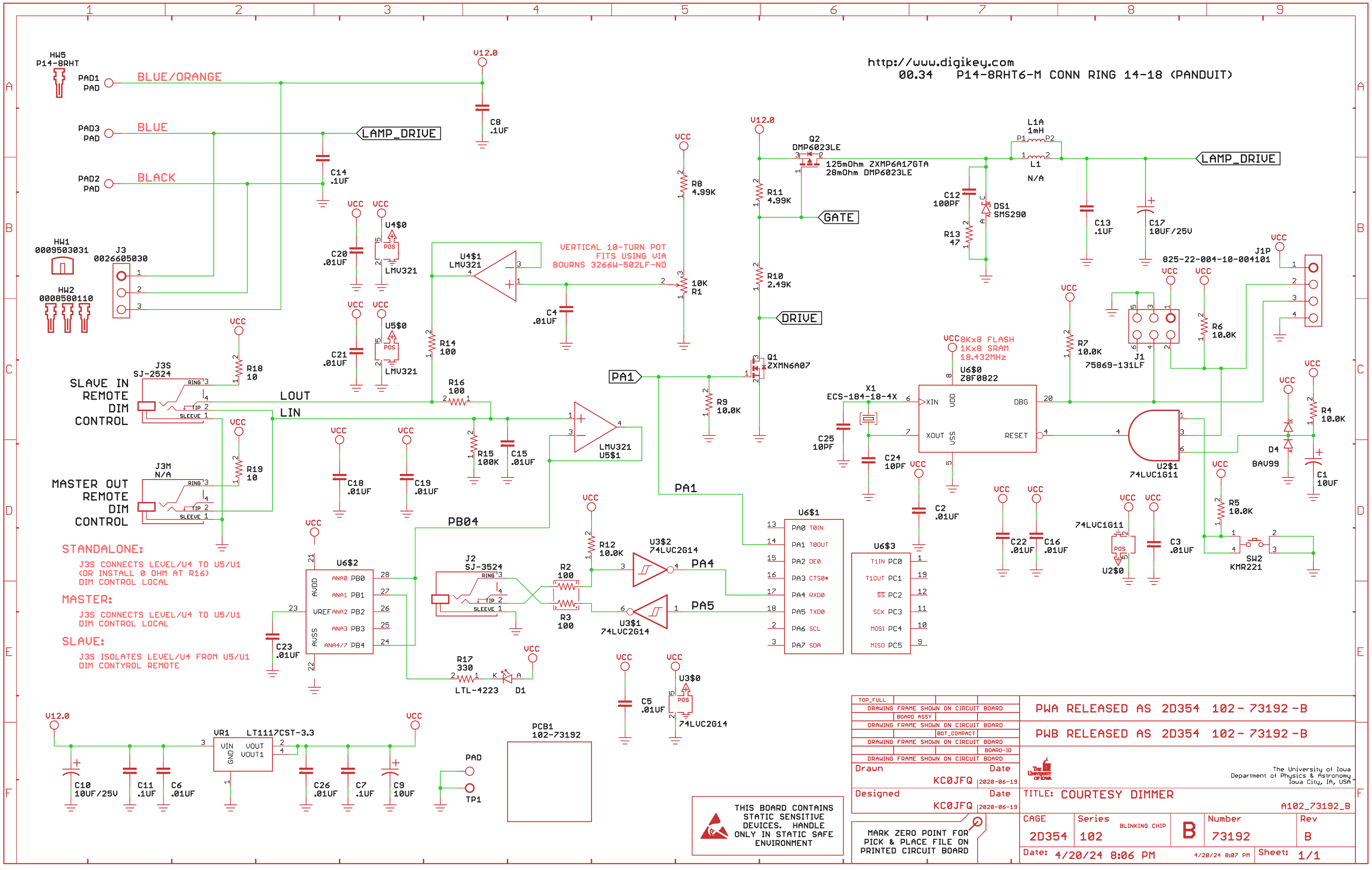
http://www.digikey.com
00.34 P14-8RHT6-M CONN RING 14-18 (PANDUIT)
HW5 P14-8RHT
PAD1 PAD
BLUE/ORANGE
PAD3 PAD
BLUE
PAD2 PAD
BLACK
V12.0
C8 .1UF
LAMP_DRIVE
C14 .1UF
HW1 0009503031
HW2 0008580110
J3 0026605030
VCC
C20 .01UF
C21 .01UF
U4$0
U5$0
POS
LMV321
U4$1 LMV321
VERTICAL 10-TURN POT
FITS USING VIA
BOURNS 3266W-502LF-ND
C4 .01UF
R8 4.99K
10K R1
R14 100
R16 100
R15 100K
C15 .01UF
R18 10
R19 10
J3S SJ-2524
SLAVE IN
REMOTE
DIM
CONTROL
RING
TIP
SLEEVE
LOUT
LIN
J3M N/A
MASTER OUT
REMOTE
DIM
CONTROL
LMV321 U5$1
C18 .01UF
C19 .01UF
PB04
PA1
STANDALONE:
J3S CONNECTS LEVEL/U4 TO U5/U1
(OR INSTALL 0 OHM AT R16)
DIM CONTROL LOCAL
MASTER:
J3S CONNECTS LEVEL/U4 TO U5/U1
DIM CONTROL LOCAL
SLAVE:
J3S ISOLATES LEVEL/U4 FROM U5/U1
DIM CONTYROL REMOTE
U6$2
AVDD
AVSS
VREF
ANA0 PB0
ANA1 PB1
ANA2 PB2
ANA3 PB3
ANA4/7 PB4
C23 .01UF
J2 SJ-3524
R2 100
R3 100
R12 10.0K
U3$2 74LVC2G14
U3$1 74LVC2G14
PA4
PA5
R17 330
LTL-4223
D1
U6$1
PA0 T0IN
PA1 T0OUT
PA2 DE0
PA3 CTS0*
PA4 RXD0
PA5 TXD0
PA6 SCL
PA7 SDA
U6$3
T1IN PC0
T1OUT PC1
SS PC2
SCK PC3
MOSI PC4
MISO PC5
C5 .01UF
U3$0
74LVC2G14
V12.0
VR1 LT1117CST-3.3
VIN
VOUT
VOUT1
GND
C10 10UF/25V
C11 .1UF
C6 .01UF
C26 .01UF
C7 .1UF
C9 10UF
PAD
TP1
PCB1 102-73192
Q2 DMP6023LE
125mOhm ZXMP6A17GTA
28mOhm DMP6023LE
R11 4.99K
GATE
R10 2.49K
DRIVE
Q1 ZXMN6A07
R9 10.0K
L1A 1mH
L1 N/A
C12 100PF
DS1 SMS290
R13 47
C13 .1UF
C17 10UF/25V
J1P 825-22-004-10-004101
J1 75869-131LF
R7 10.0K
R6 10.0K
R4 10.0K
R5 10.0K
D4 BAV99
C1 10UF
SW2 KMR221
8Kx8 FLASH
1Kx8 SRAM
18.432MHz
U6$0 Z8F0822
X1 ECS-184-18-4X
C25 10PF
C24 10PF
C2 .01UF
XIN
XOUT
VDD
VSS
DBG
RESET
U2$1 74LVC1G11
U2$0 74LVC1G11
C22 .01UF
C16 .01UF
C3 .01UF
THIS BOARD CONTAINS STATIC SENSITIVE DEVICES. HANDLE ONLY IN STATIC SAFE ENVIRONMENT
MARK ZERO POINT FOR PICK & PLACE FILE ON PRINTED CIRCUIT BOARD
TOP_FULL
DRAWING FRAME SHOWN ON CIRCUIT BOARD
BOARD ASSY
BOT_COMPACT
BOARD-ID
Drawn KC0JFQ 2020-06-19
Designed KC0JFQ 2020-06-19
PWA RELEASED AS 2D354 102-73192-B
PWB RELEASED AS 2D354 102-73192-B
The University of Iowa
Department of Physics & Astronomy
Iowa City, IA, USA
TITLE: COURTESY DIMMER
A102_73192_B
CAGE 2D354
Series 102 BLINKING CHIP
B
Number 73192
Rev B
Date: 4/20/24 8:06 PM
4/20/24 8:07 PM
Sheet: 1/1