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
U4$0
POS
LMV321
C21
.01UF
U5$0
POS
LMV321
U4$1
LMV321
VERTICAL 10-TURN POT
FITS USING VIA
BOURNS 3266W-502LF-ND
R8
4.99K
R1
10K
C4
.01UF
R14
100
R16
N/A
R15
100K
C15
.01UF
LMV321
U5$1
J3S
SJ-2524
SLAVE IN
REMOTE
DIM
CONTROL
RING
TIP
SLEEVE
LOUT
LIN
J3M
N/A
MASTER OUT
REMOTE
DIM
CONTROL
C18
C19
N/A .01UF
PA1
R9
10.0K
Q1
ZXMN6A07
VIA
DRIVE
R10
2.49K
R11
4.99K
GATE
Q2
DMP6023LE
125mOhm ZXMP6A17GTA
28mOhm DMP6023LE
L1A
1mH
P1
P2
L1
N/A
C12
100PF
DS1
SS26SHE3_B/H
R13
47
C13
.1UF
C17
10UF/35V
LAMP_DRIVE
C22
.01UF
C16
.01UF
J1P
825-22-004-10-00X101
R6
10.0K
J1
75869-131LF
R7
10.0K
U1$0
Z8F0423
4Kx8 FLASH
1Kx8 SRAM
5MHz
VDD
VSS
PA0/T0IN/T0OUT/ DBG
PA2/DE0/T1OUT/ RESET
U1$1
DBG/PA0
PA1 T0OUT/ANA3 VREF/CLKIN
RESET/PA2
PA3 CTS0/ANA2 COUT/T1IN
PA4 RXD0/ANA1 CINN
PA5 TXD0/T1OUT ANA0/CINP
PA1
PA3
PA4
PA5
R12
10.0K
U3$2
74LVC2G14
R2
100
R3
100
U3$1
74LVC2G14
SJ-3524
J2
C5
.01UF
U3$0
74LVC2G14
U2$1
74LVC1G11
74LVC1G11
U2$0
C2
.01UF
C3
.01UF
D4
BAV99
R4
10.0K
C1
10UF
R5
10.0K
SW2
KMR221
V12.0
VR1
LT1117CST-3.3
VIN
VOUT
GND
VOUT1
C10
10UF/35V
C11
.1UF
C6
.01UF
C7
.1UF
C9
10UF
PAD
TP1
PCB1
102-73192

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

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		
DRAWING FRAME SHOWN ON CIRCUIT BOARD		
BOT_COMPACT		
DRAWING FRAME SHOWN ON CIRCUIT BOARD		
BOARD-ID		
DRAWING FRAME SHOWN ON CIRCUIT BOARD		
Drawn	KC0JFQ	Date 2020-06-19
Designed	KC0JFQ	Date 2020-06-19

PWA RELEASED AS 2D354 102-73192-A

PWB RELEASED AS 2D354 102-73192-A

The University of Iowa
Department of Physics & Astronomy
Iowa City, IA, USA

TITLE: COURTESY DIMMER

A102_73192_A

CAGE	Series		Number	Rev
2D354	102 BLINKING CHIP	B	73192	A

Date: 3/24/21 6:09 PM 3/24/21 6:10 PM Sheet: 1/1