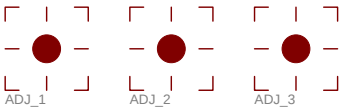
XMC1000 Kit
White LED Brightness Control

inLight White LED

[1] Contents
[2] White LEDs, DALI PHY, Light Sensor, Temp. Sensor, 433MHz RF Receiver

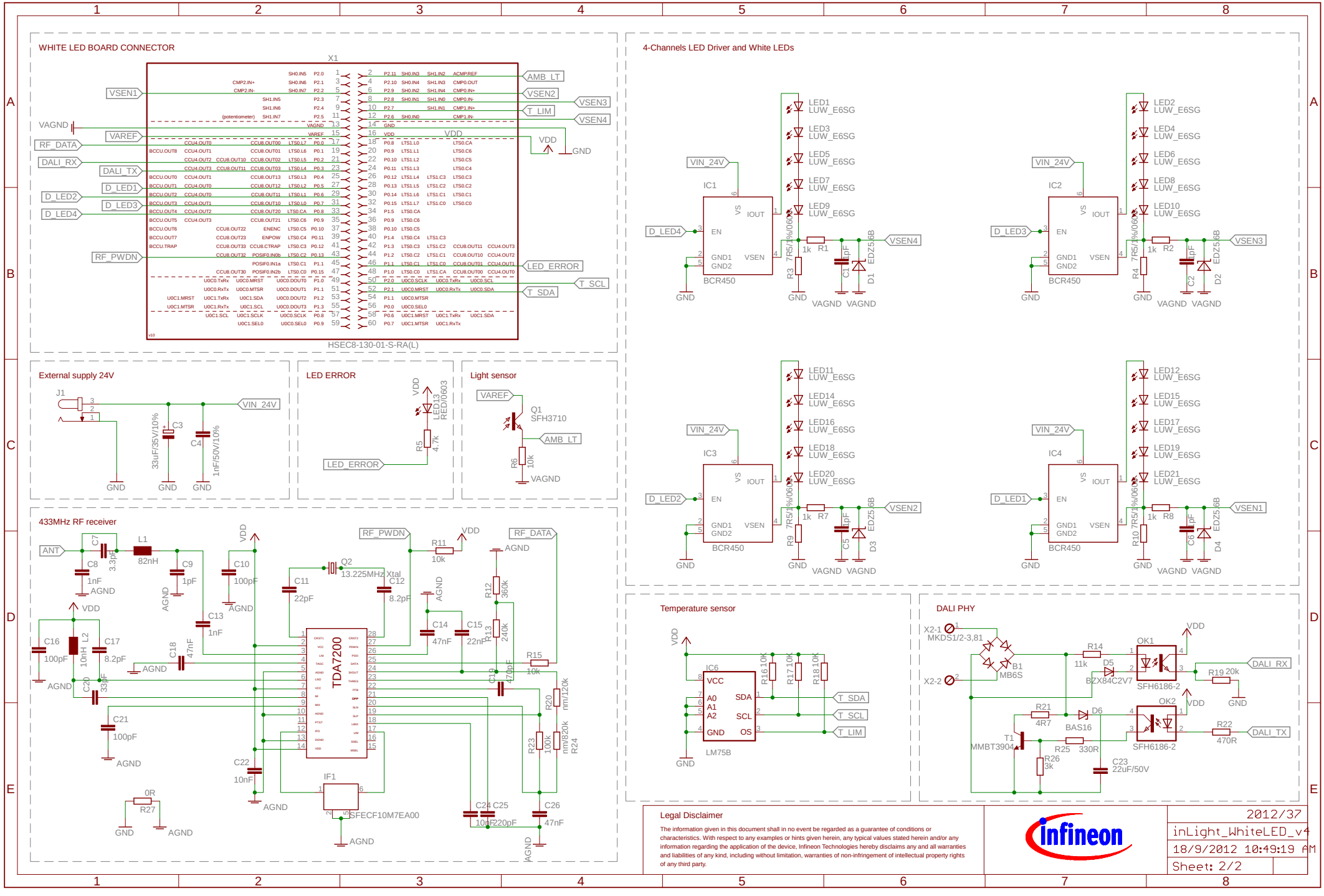
Fiducials



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WHITE LED BOARD CONNECTOR
X1
HSEC8-130-01-S-RA(L)
VSEN1
VAGND
VAREF
RF_DATA
DALI_RX
DALI_TX
D_LED1
D_LED2
D_LED3
D_LED4
RF_PWDN
AMB_LT
VSEN2
VSEN3
T_LIM
VSEN4
VDD
GND
LED_ERROR
T_SCL
T_SDA
4-Channels LED Driver and White LEDs
IC1
IC2
IC3
IC4
BCR450
LED1 LUW_E6SG
LED2 LUW_E6SG
LED3 LUW_E6SG
LED4 LUW_E6SG
LED5 LUW_E6SG
LED6 LUW_E6SG
LED7 LUW_E6SG
LED8 LUW_E6SG
LED9 LUW_E6SG
LED10 LUW_E6SG
LED11 LUW_E6SG
LED12 LUW_E6SG
LED13 LUW_E6SG
LED14 LUW_E6SG
LED15 LUW_E6SG
LED16 LUW_E6SG
LED17 LUW_E6SG
LED18 LUW_E6SG
LED19 LUW_E6SG
LED20 LUW_E6SG
LED21 LUW_E6SG
VIN_24V
VAGND
External supply 24V
J1
C3
33uF/35V/10%
C4
1nF/50V/10%
LED ERROR
LED13 RED/0603
R5
4.7k
Light sensor
VAREF
Q1 SFH3710
R6
10k
AMB_LT
433MHz RF receiver
ANT
L1
82nH
L2
10nH
Q2
13.225MHz Xtal
TDA7200
IF1
SFECF10M7EA00
Temperature sensor
IC6
LM75B
VCC
A0
A1
A2
GND
SDA
SCL
OS
DALI PHY
X2-1
X2-2
MKDS1/2-3,81
B1
MB6S
D5
BZX84C2V7
D6
BAS16
T1
MMBT3904
OK1
OK2
SFH6186-2
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