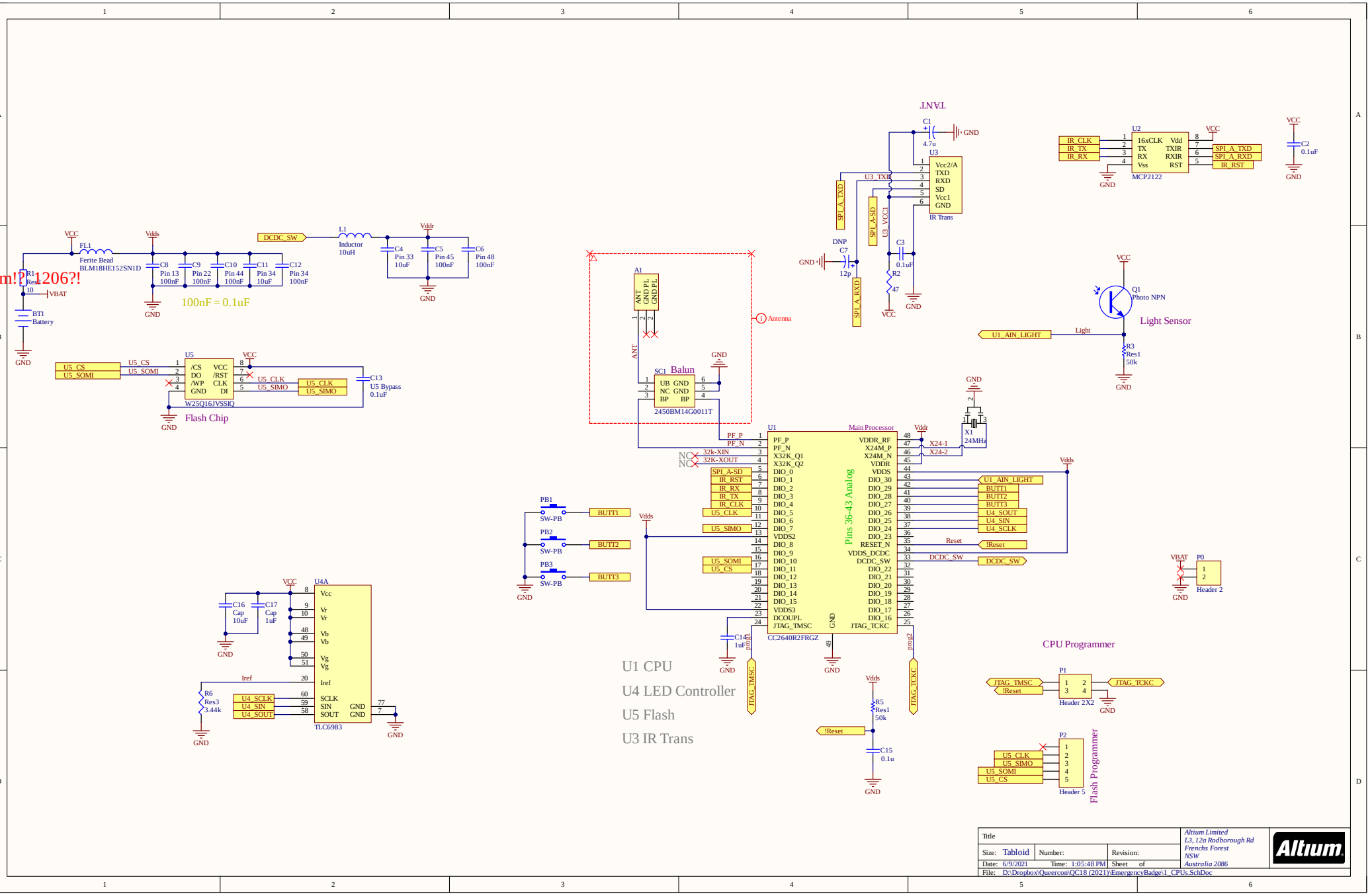
Ohm!? 1206?!
VCC
FL1
Ferite Bead
BLM18HE152SN1D
Vdds
C8
Pin 13
100nF
C9
Pin 22
100nF
C10
Pin 44
100nF
C11
Pin 34
10uF
C12
Pin 34
100nF
R1
Res2
10
VBAT
BT1
Battery
GND
100nF = 0.1uF
DCDC_SW
L1
Inductor
10uH
Vddr
C4
Pin 33
10uF
C5
Pin 45
100nF
C6
Pin 48
100nF
U5_CS
U5_SOMI
U5
/CS
DO
/WP
GND
VCC
/RST
CLK
DI
W25Q16JVSSIQ
U5_CLK
U5_SIMO
C13
U5 Bypass
0.1uF
Flash Chip
A1
ANT
GND PL
GND PL
Antenna
SC1
Balun
UB GND
NC GND
BP BP
2450BM14G0011T
U1
Main Processor
PF_P
PF_N
32k-XIN
32K-XOUT
X32K_Q1
X32K_Q2
DIO_0
DIO_1
DIO_2
DIO_3
DIO_4
DIO_5
DIO_6
DIO_7
VDDS2
DIO_8
DIO_9
DIO_10
DIO_11
DIO_12
DIO_13
DIO_14
DIO_15
VDDS3
DCOUPL
JTAG_TMSC
CC2640R2FRGZ
VDDR_RF
X24M_P
X24M_N
VDDR
VDDS
DIO_30
DIO_29
DIO_28
DIO_27
DIO_26
DIO_25
DIO_24
DIO_23
RESET_N
VDDS_DCDC
DCDC_SW
DIO_22
DIO_21
DIO_20
DIO_19
DIO_18
DIO_17
DIO_16
JTAG_TCKC
Pins 36-43 Analog
X24-1
X24-2
X1
24MHz
SPI_A-SD
IR_RST
IR_RX
IR_TX
IR_CLK
U5_CLK
U5_SIMO
U5_SOMI
U5_CS
U1_AIN_LIGHT
BUTT1
BUTT2
BUTT3
U4_SOUT
U4_SIN
U4_SCLK
!Reset
DCDC_SW
PB1
SW-PB
PB2
SW-PB
PB3
SW-PB
C14
1uF
prog1
prog2
JTAG_TMSC
JTAG_TCKC
R5
Res1
50k
C15
0.1u
U1 CPU
U4 LED Controller
U5 Flash
U3 IR Trans
U4A
TLC6983
Vcc
Vr
Vb
Vg
Iref
SCLK
SIN
SOUT
GND
C16
Cap
10uF
C17
Cap
1uF
R6
Res3
3.44k
U4_SCLK
U4_SIN
U4_SOUT
ANT
C1
4.7u
U3
Vcc2/A
TXD
RXD
SD
Vcc1
GND
IR Trans
U3_TXD
U3_VCC1
SPI_A_TXD
SPI_A-SD
SPI_A_RXD
DNP
C7
12p
C3
0.1uF
R2
47
U2
16xCLK
TX
RX
Vss
Vdd
TXIR
RXIR
RST
MCP2122
IR_CLK
IR_TX
IR_RX
SPI_A_TXD
SPI_A_RXD
IR_RST
C2
0.1uF
Q1
Photo NPN
Light Sensor
Light
R3
Res1
50k
P0
Header 2
P1
Header 2X2
CPU Programmer
P2
Header 5
Flash Programmer
Title
Size: Tabloid
Number:
Revision:
Date: 6/9/2021
Time: 1:05:48 PM
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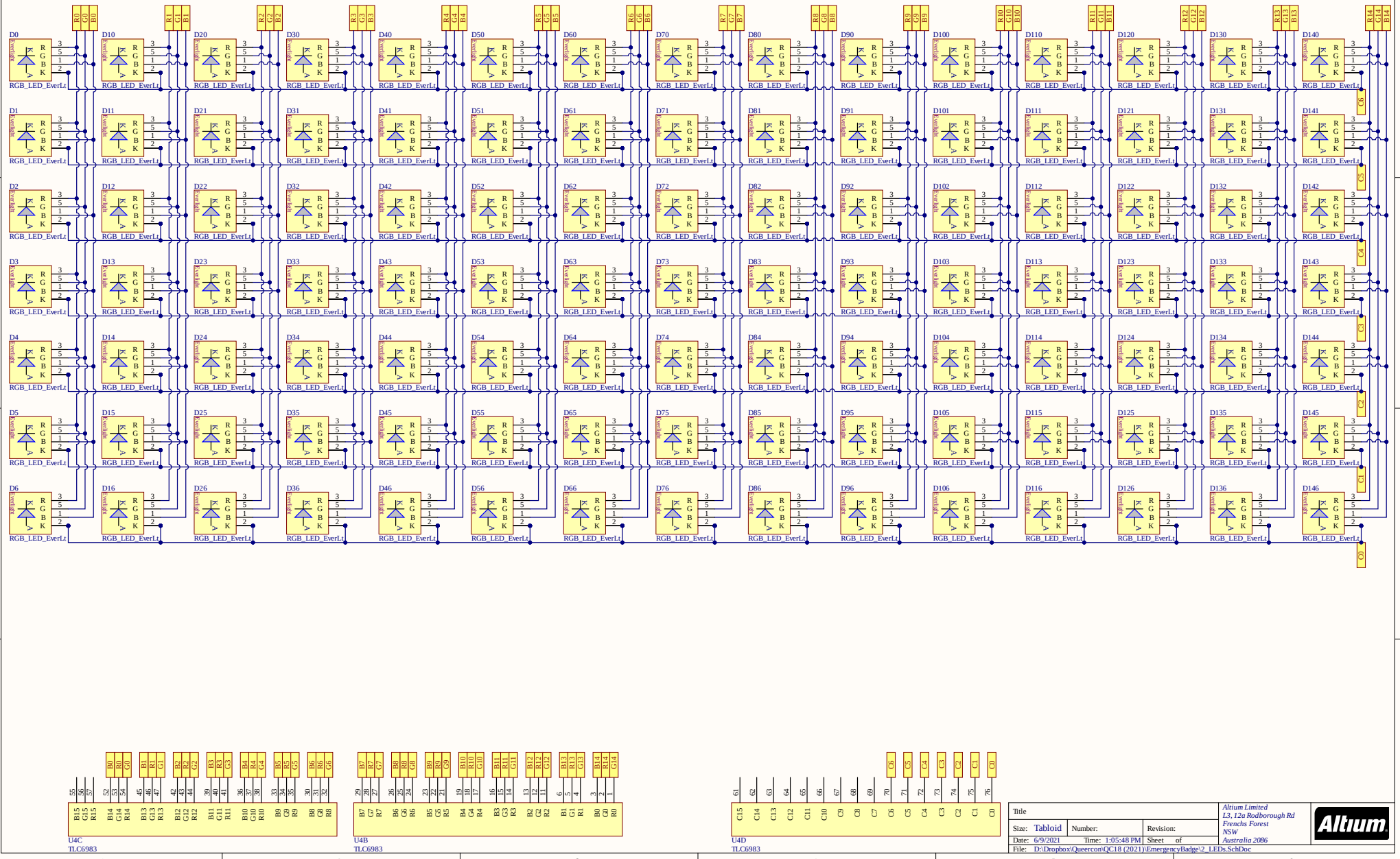
Altium Limited
L3, 12a Rodborough Rd
Frenchs Forest
NSW
Australia 2086
Altium



Title			Altium Limited L3, 12a Rodborough Rd Frenchs Forest NSW Australia 2086
Size: Tabloid	Number:	Revision:	
Date: 6/9/2021	Time: 1:05:48 PM	Sheet of	
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