

IO CK 3V 0
SWD

R16
R15
R14
R13

C10 R10

C16
U4
C17
C15

D5

UART3

U2

C6
R12
R11

C2

U1

C1

C12
C7

R9

C11

R8
R5

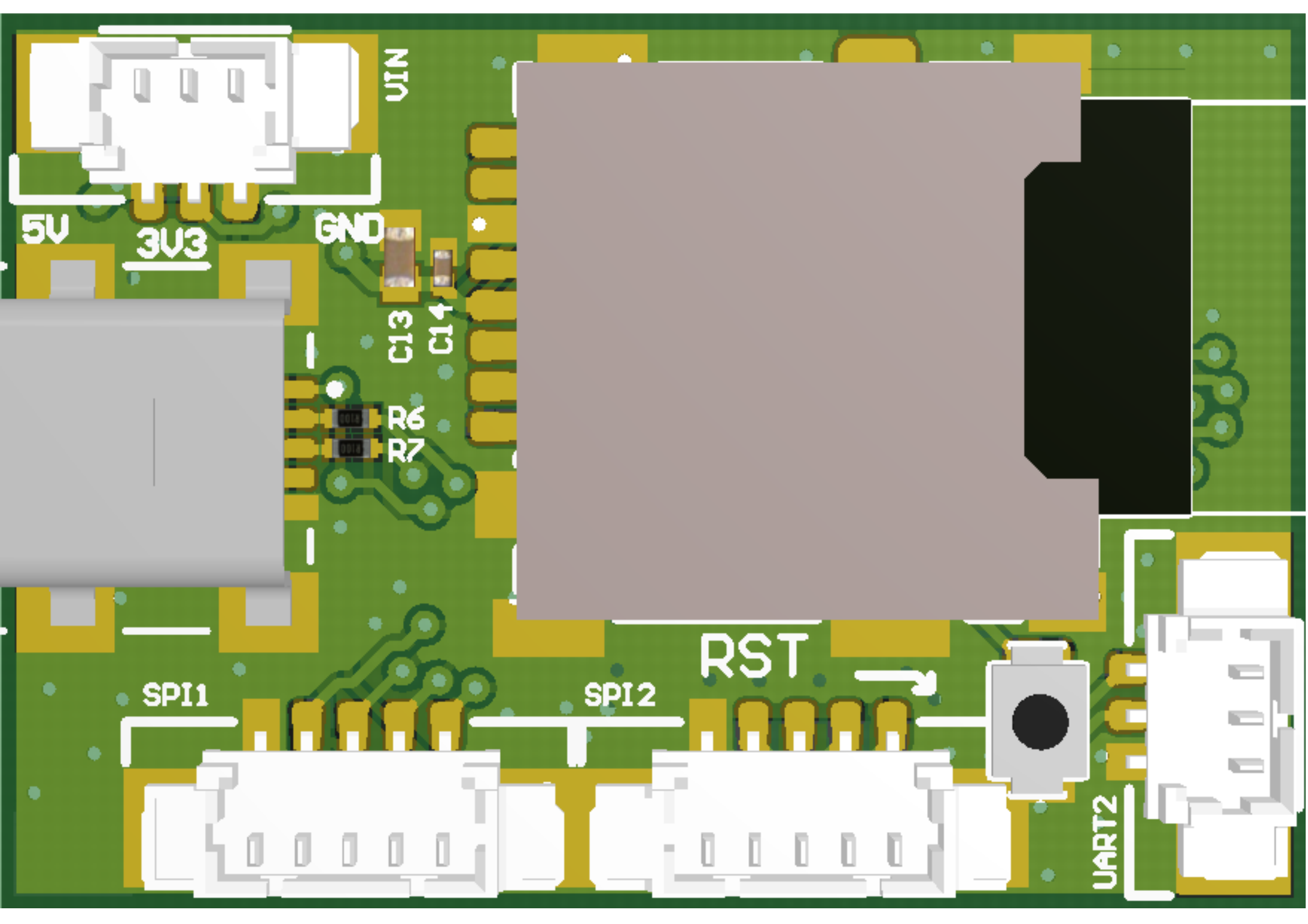
X1

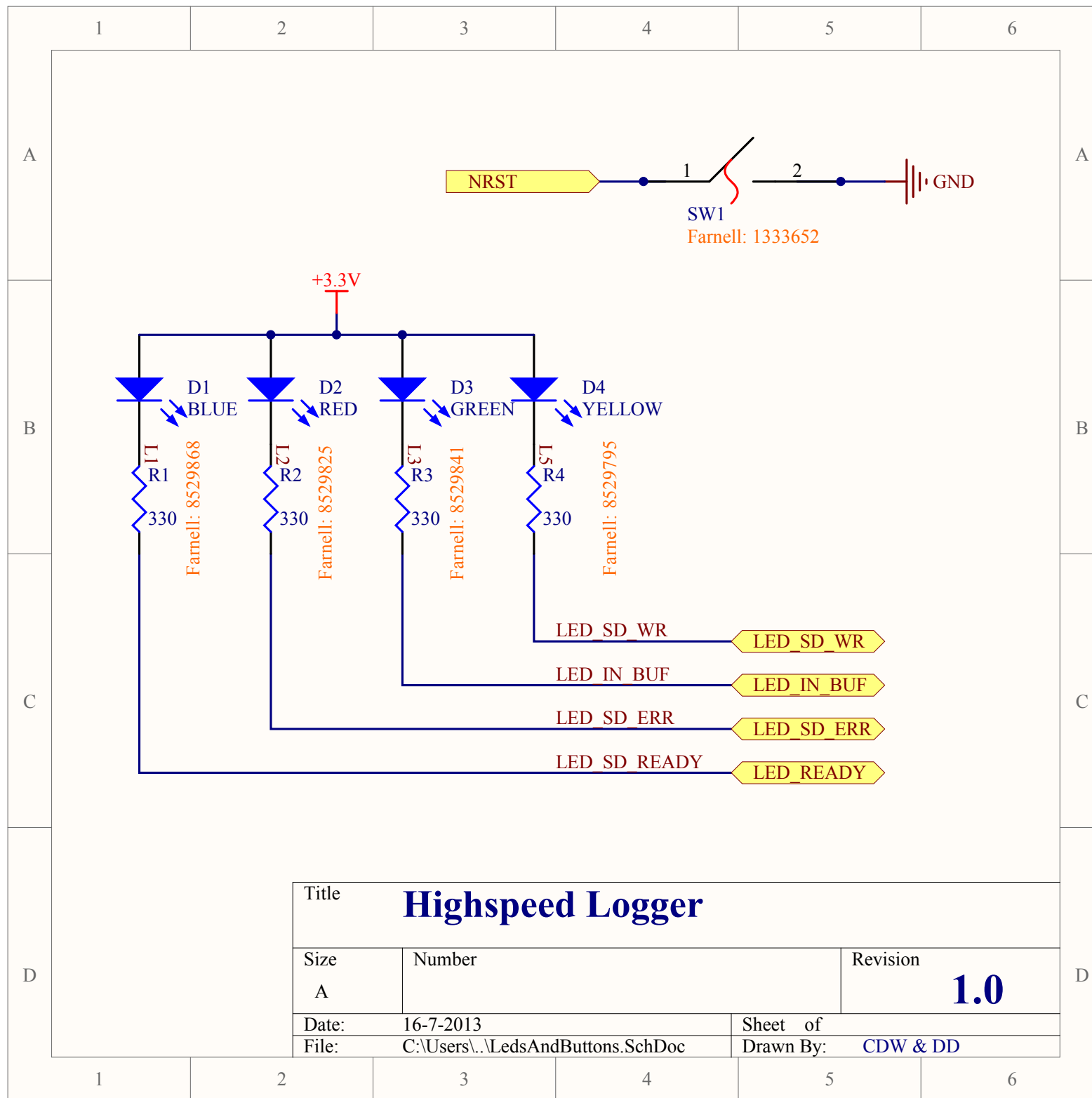
C8

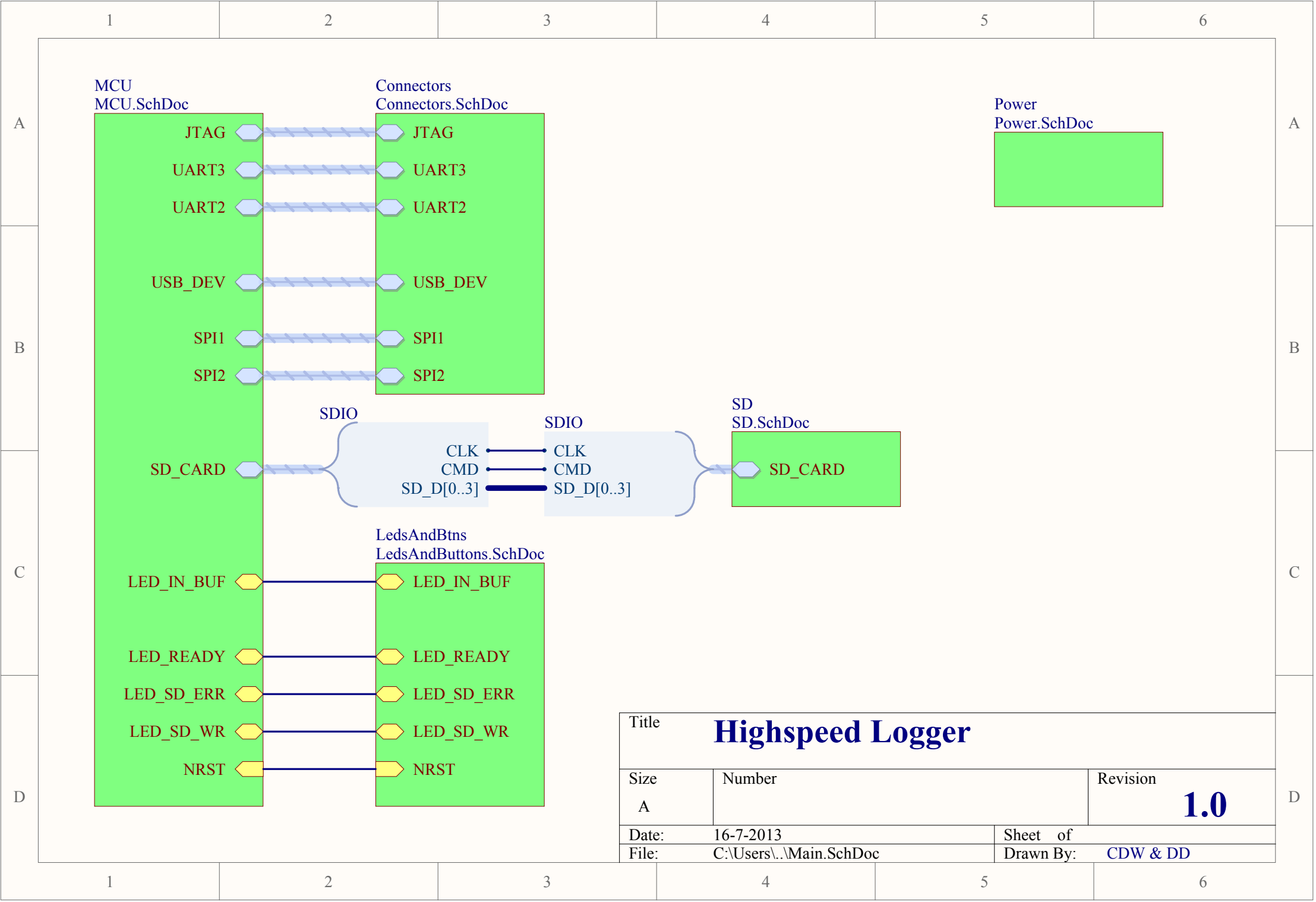
C3

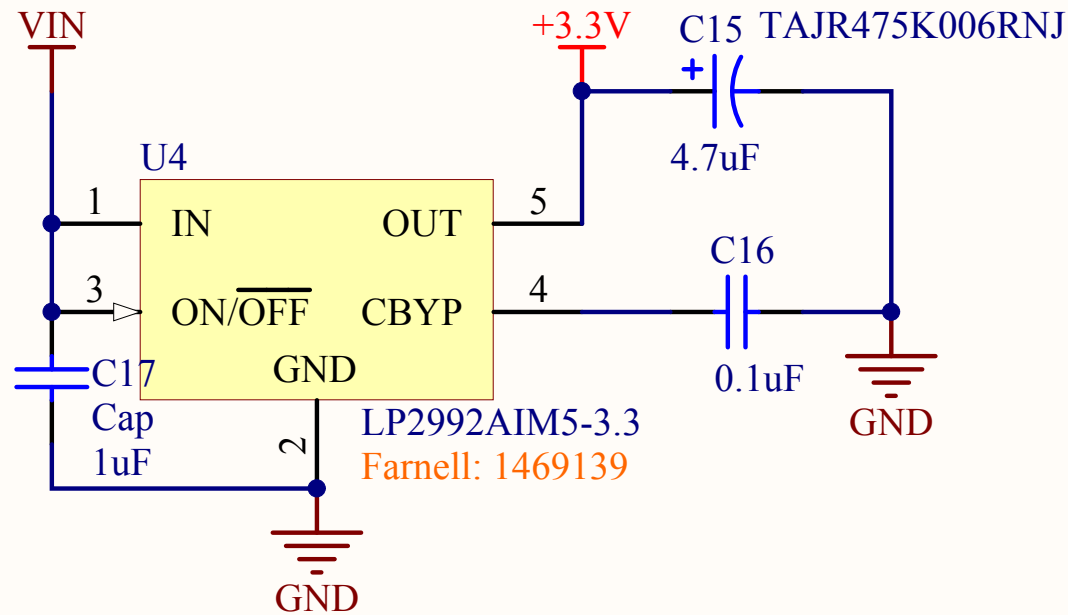
R4
R3
R2
R1

D4
D3
D1
D2









Title

Highspeed Logger

Size

A

Number

Revision

1.0

Date:

16-7-2013

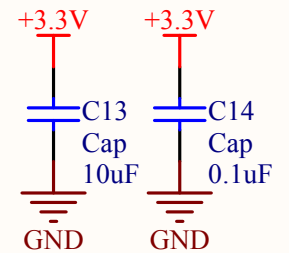
Sheet of

File:

C:\Users\...\Power.SchDoc

Drawn By:

CDW & DD



<div> <div>Title</div> <div>Highspeed Logger</div> </div>		
<div>Size</div> <div>A</div>	<div>Number</div>	<div>Revision</div> <div>1.0</div>
Date:	16-7-2013	Sheet of
File:	C:\Users\...\SD.SchDoc	Drawn By: CDW & DD

Quantity	Designator	Value	Footprint	Comment	Description	Farnell
8	C1, C2, C5, C10, C11, C12, C14, C16	0.1uF	V0402	Cap	Capacitor	
1	C3	10nF	V0402	Cap	Capacitor	
2	C4, C13	10uF	V0603	Cap	Capacitor	
2	C6, C7	2.2uF	V0402	Cap	Capacitor	
2	C8, C9	22pF	V0402	Cap	Capacitor	
1	C15	4.7uF	0805	TAJR475K006RNJ	Polarized Capacitor (Surface Mount)	
1	C17	1uF	V0402	Cap	Capacitor	
1	D1		KP-1608SURC_R	BLUE	Typical RED, GREEN, YELLOW, AMBER GaAs LED	8529868
1	D2		KP-1608SURC_B	RED	Typical RED, GREEN, YELLOW, AMBER GaAs LED	8529825
1	D3		KP-1608SURC_Y	GREEN	Typical RED, GREEN, YELLOW, AMBER GaAs LED	8529841
1	D4		KP-1608SURC_G	YELLOW	Typical RED, GREEN, YELLOW, AMBER GaAs LED	8529795
1	D5		SOD-323	D Schottky	Schottky Diode	
1	JTAG		FTSH-105-01-L-DV-K-TR	20 pin connector		
4	R1, R2, R3, R4	330	V0402RES	Res3	Resistor	
2	R5, R9	50R	V0402RES	Res3	Resistor	
2	R6, R7	20R	V0402RES	Res3	Resistor	
2	R8, R10	33k	V0402RES	Res3	Resistor	
5	R11, R12, R13, R14, R16	10R	V0402RES	Place close to MCU	Resistor	
1	R15	33R	V0402RES	Place close to MCU	Resistor	
1	SD1		MICROSD-card	SD Slot		2064063
3	SPI1, SPI2, UART3		5 pins picoblade 1,25 mm pitch, right-angle SMT - duplicate	0533980571	Molex picoblade 5 pins	
1	SW1		TACTILE-B3U-1000P	Tactile OMRON B3U-1000P		1333652
1	U1		SOT-23-5	LVDS DRVR FIN1001M5X		1467289
1	U2		SOT-23-5	LVDS RECVR FIN1002M5X		1467290
1	U3		LQFP64	STM32F40x-RG_Dirk		2064363
1	U4		MF05A_N	LP2992AIM5-3.3	Micropower 250 mA Low-Noise Ultra Low-Dropout Regulator, 5-pin SOT-23	1469139
2	UART2, VIN		3 pins picoblade 1,25 mm pitch, right-angle SMT	53398-0371	PICOBLADE, 1,25 mm pitch, header, SMD	
1	USB		USB/ SM0.8-6H5	0481900001	USB On-The-Go (OTG) Mini-B Receptacle, Right Angle, SMT, 0.80mm (.031") Pitch, Solder Tabs with Back Cover, Recessed Type	
1	X1		CFPX-5	3SMXB	Surface Mount Quar	1842056