

A

B

C

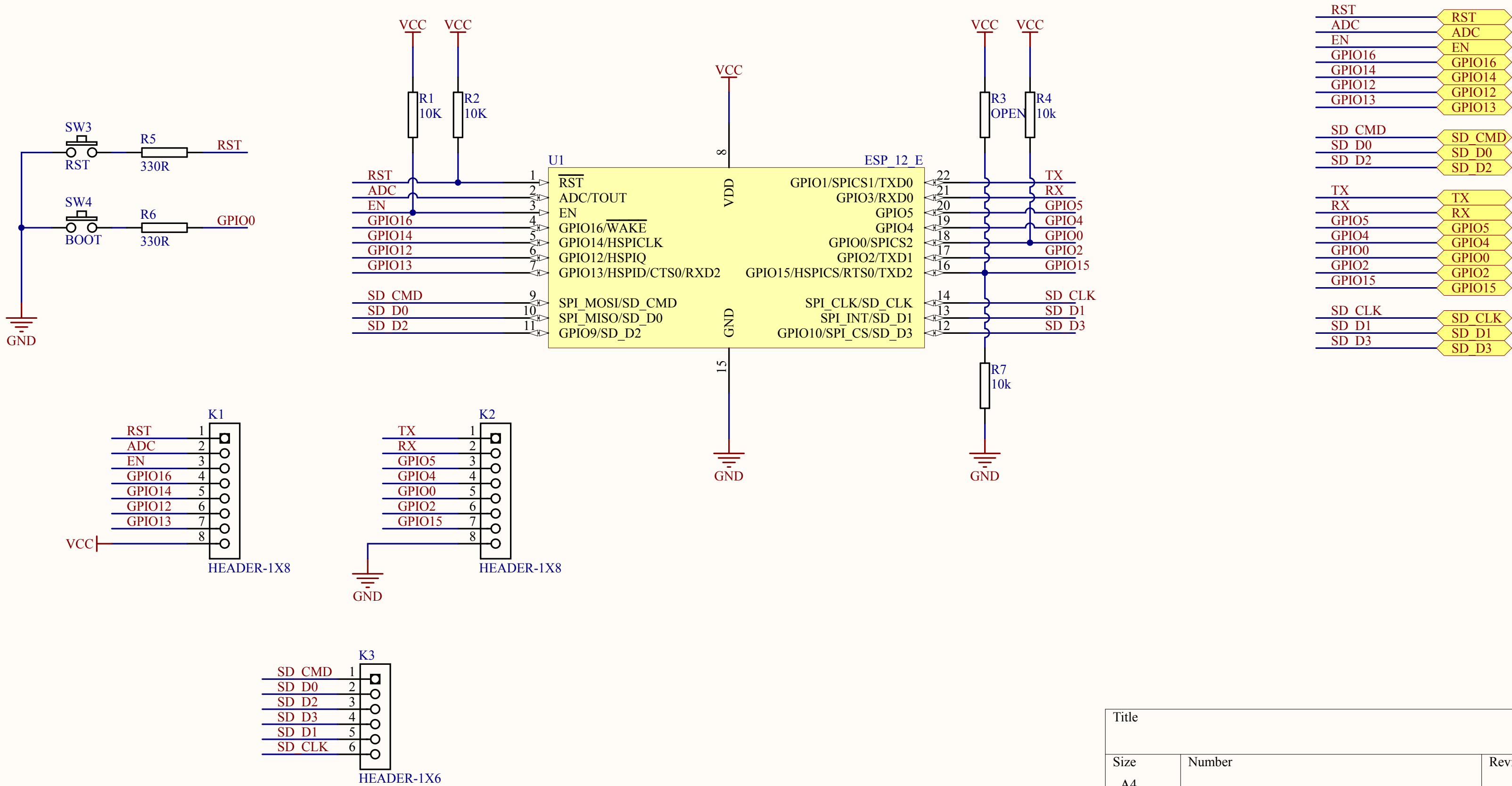
D

A

B

C

D



Title		
Size	Number	Revision
A4		
Date:	22. 2. 2016	Sheet of
File:	C:\Users\...\board.SchDoc	Drawn By:

A

B

C

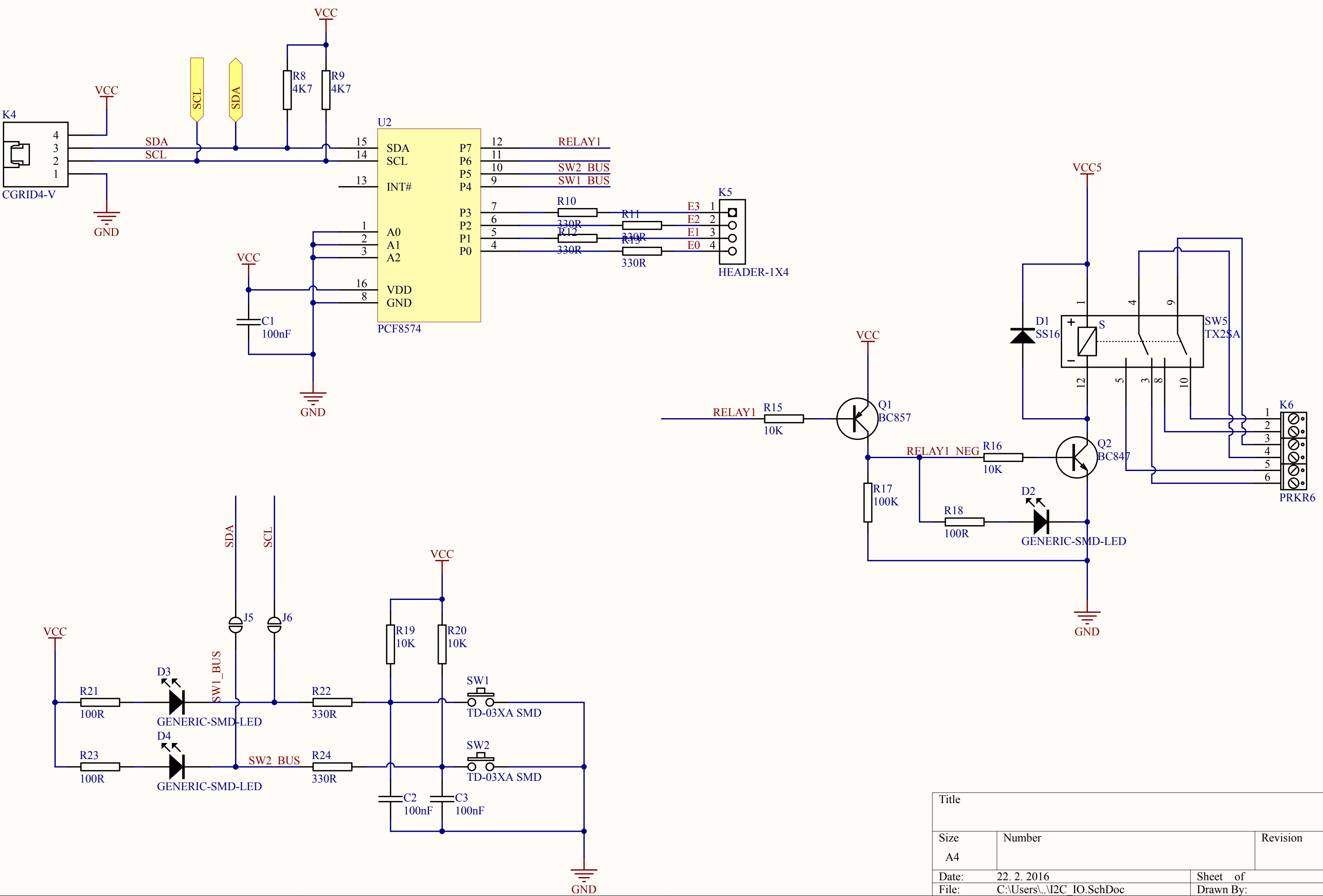
D

A

B

C

D



Title		
Size	Number	Revision
A4		
Date:	22. 2. 2016	Sheet of
File:	C:\Users\...\I2C_IO.SchDoc	Drawn By:

A

B

C

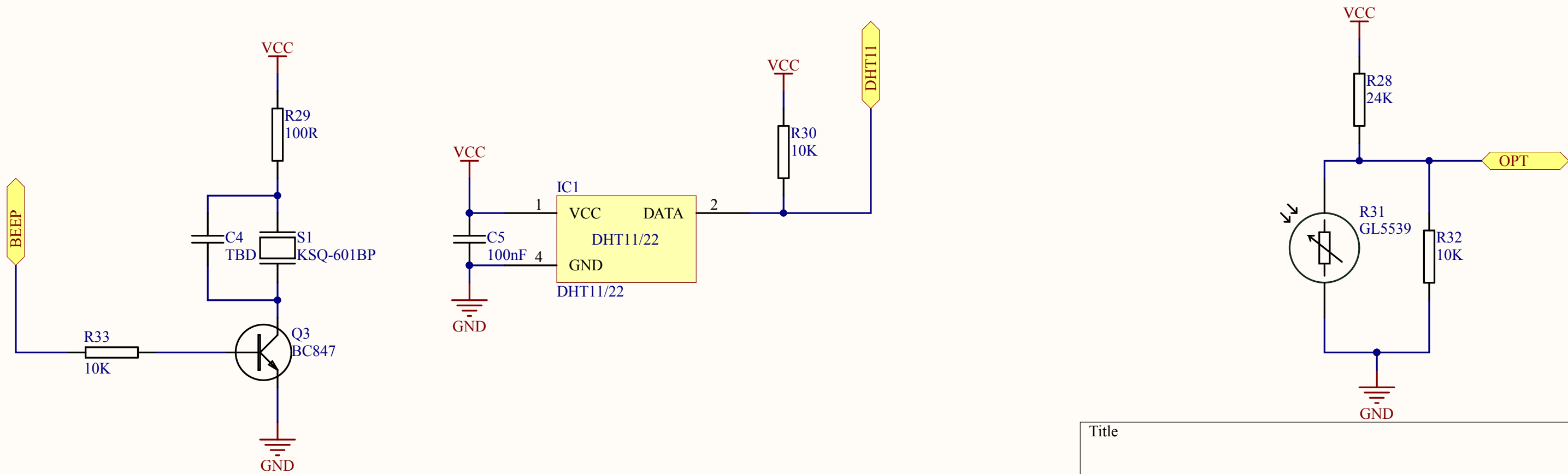
D

A

B

C

D



Title		
Size A4	Number	Revision
Date:	22. 2. 2016	Sheet of
File:	C:\Users\...\IO.SchDoc	Drawn By:

A

B

C

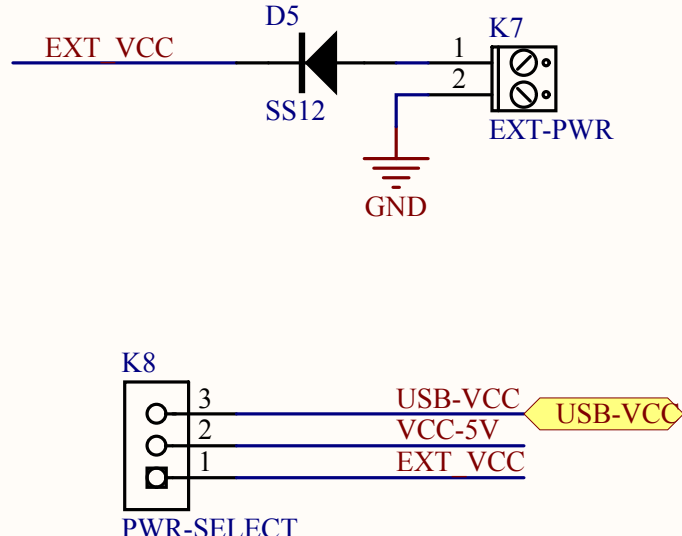
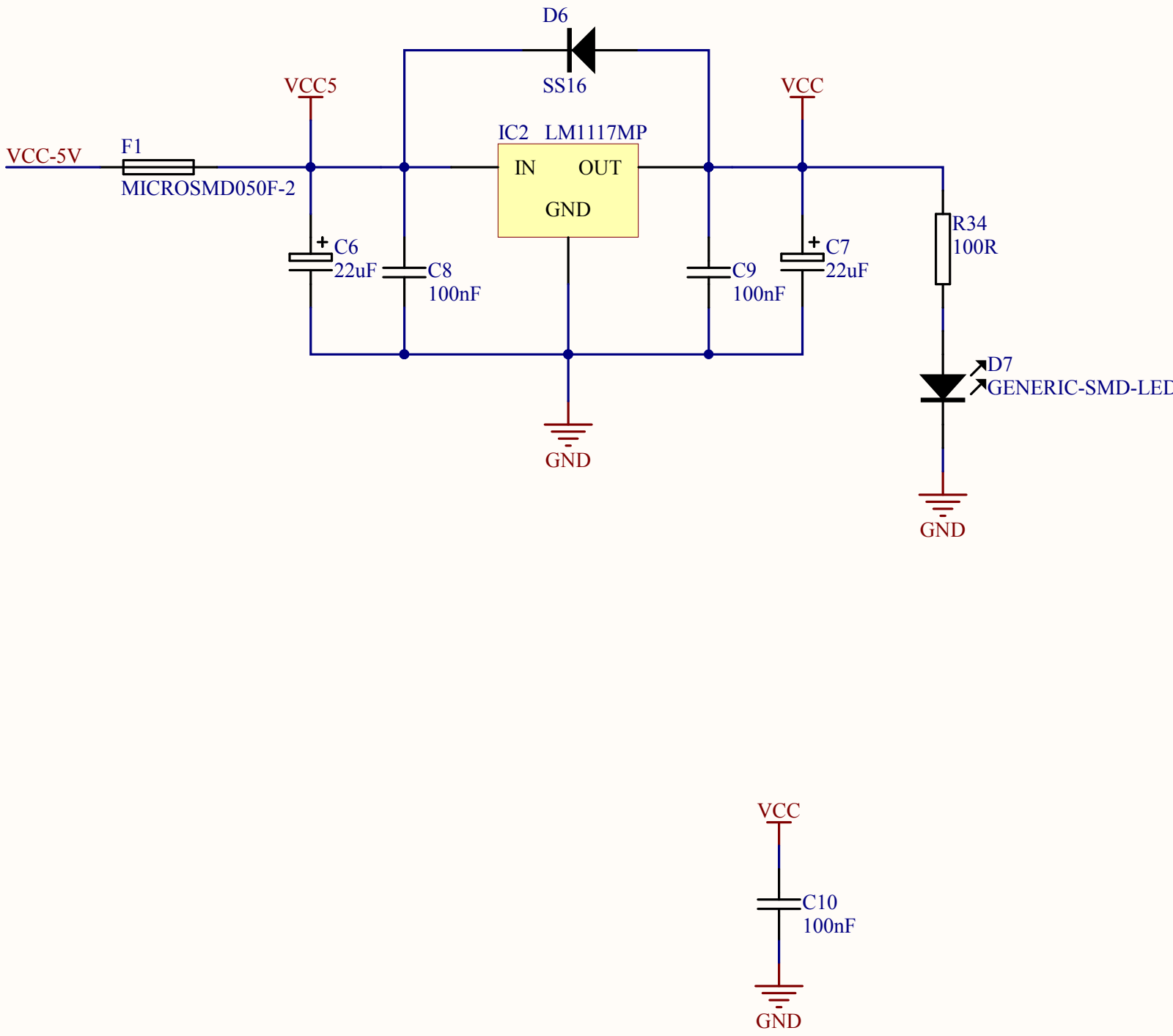
D

A

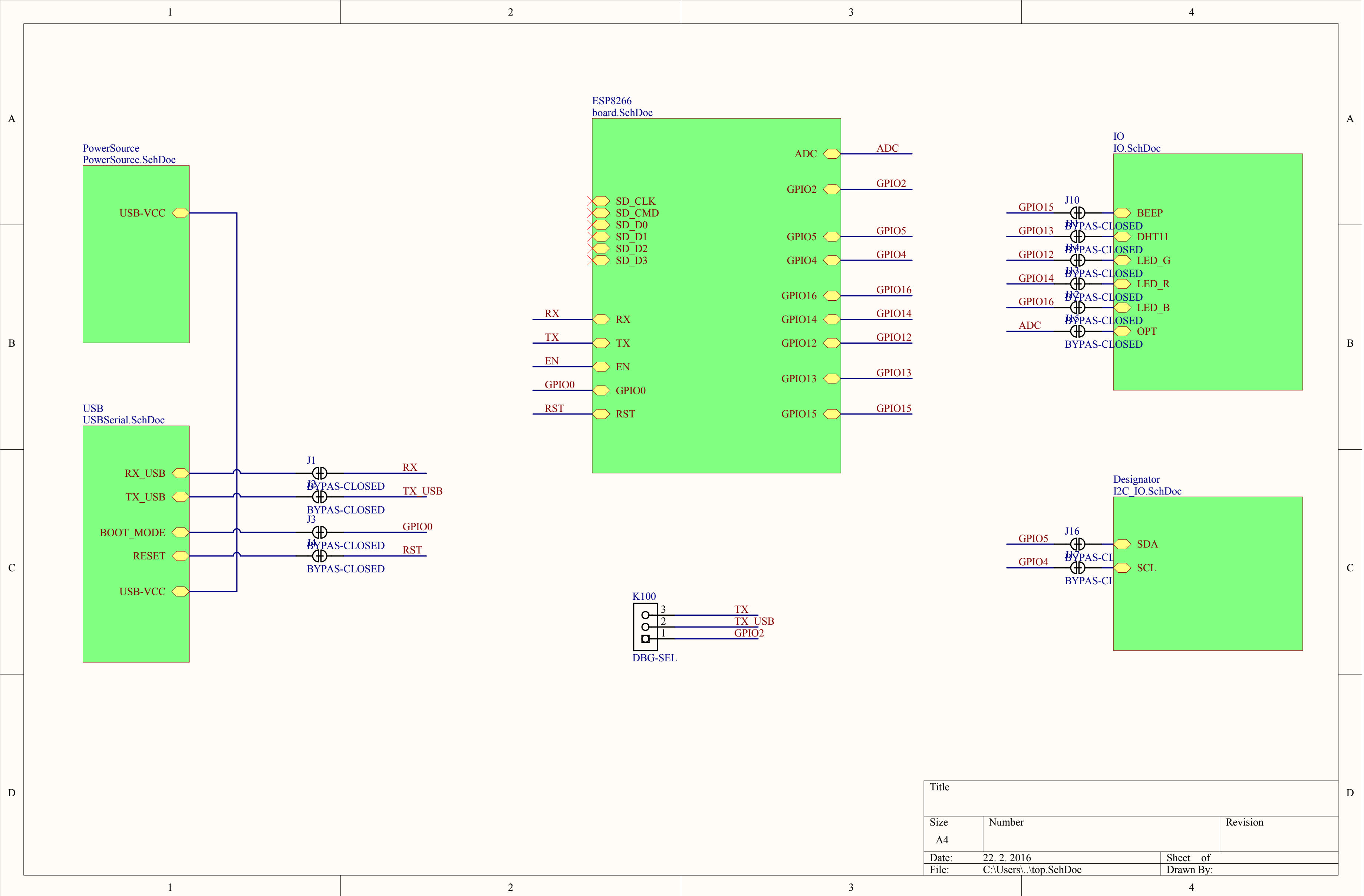
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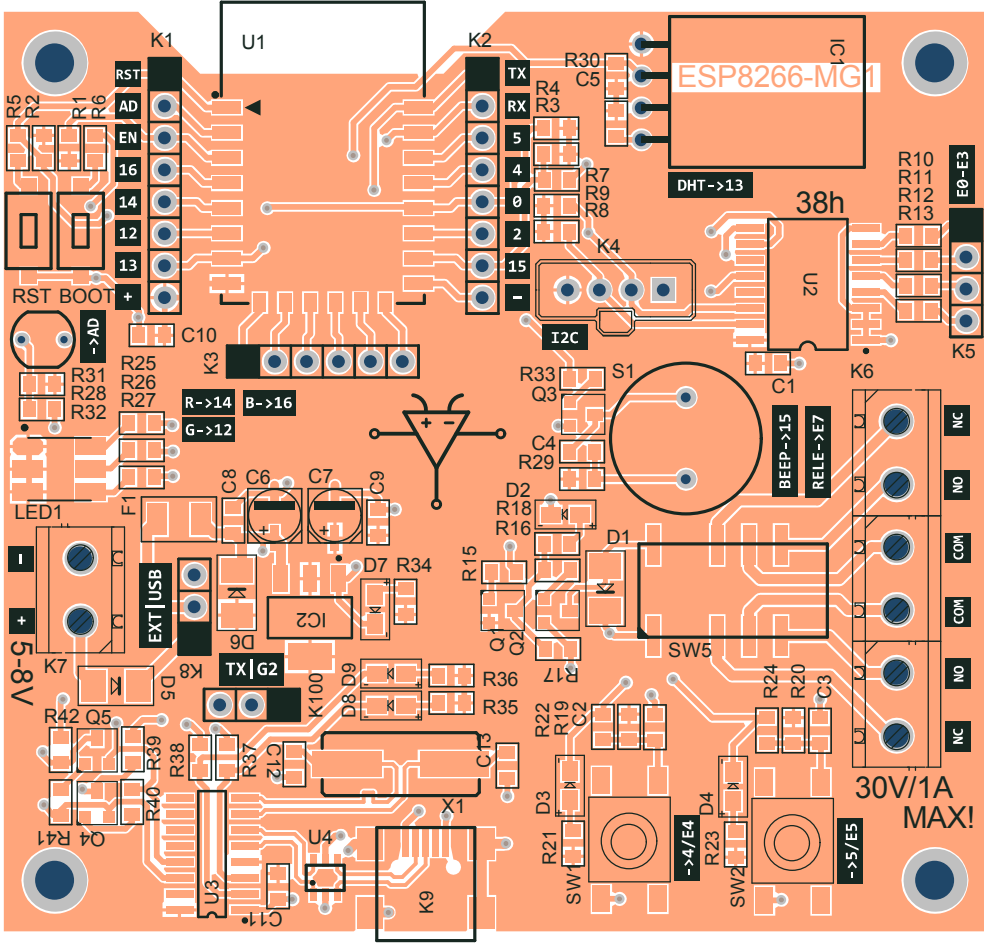
C

D



Title		
Size A4	Number	Revision
Date:	22. 2. 2016	Sheet of
File:	C:\Users\...\PowerSource.SchDoc	Drawn By:





ESP8266 demo board

v1.0 - 2016

MAC:

SN:

<http://macgyver.siliconhill.cz>

Authors:

@bastlirna
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VCC
SDA/5
SCL/4
GND

J10

J16

J17

J11

J12

J13

J14

J15

J3

J8

J7

J4

J1

J2

Part List

<Parameter Title not found>

Source Data From:	ESP8266-demoKit.PrjPcb
Project:	ESP8266-demoKit.PrjPcb
Variant:	None

Report Date: 22. 2. 2016 14:04:58
Print Date: 22-Feb-16 2:05:05 PM

Designator	Comment	LibRef	Footprint	Description
C1, C2, C3, C5, C8, C9, C10, C11	100nF	0805C-100nF-25V-X7R-MUR	0805C-TBD	CAPACITOR 0805 CERAMIC
C4	TBD	0805C-TBD	0805C-TBD	CAPACITOR 0805 CERAMIC VALUE TO BE DETERMINED
C6, C7	22uF	C+22U-6V3	PANACAP-B	GENERIC CAPACITOR POLARISED
C12, C13	22pF	C0805-GENERIC	0805C-GENERIC	GENERIC CAPACITOR NON POLARISED0603
D1, D6	SS16	SS16	DIODE-SMA	
D2, D3, D4, D7	GENERIC-SMD-LED	GENERIC-SMD-LED	0805LED	
D5	SS12	SS16	DIODE-SMA	
D8, D9		GENERIC-SMD-LED	0805LED	
F1	MICROSMD050F-2	F?	1210	TE CONNECTIVITY / RAYCHEM MICROSMD050F-2 POLY SWITCH
IC1	DHT11/22	IC?	DHT11	
IC2	LM1117MP	IC?	DSO-G3	LM1117MP
J1, J2, J3, J4, J10, J11, J12, J13, J14, J15, J16, J17	BYPAS-CLOSED	BYPAS-CLOSED	BYPSAS-CLOSED	
J5, J6, J7, J8		BYPASS-MINI	BYPASS-MINI	SOLDERDOT BYPASS
K1, K2	HEADER-1X8	HEADER-1X8	HEADER-1X8	
K3	HEADER-1X6	HEADER-1X6	HEADER-1X6	
K4	CGRID4-V	CGRID4-V	CGRID-4V	MOLEX GCWALDOM CGRID CONNECTOR 4 PIN
K5	HEADER-1X4	HEADER-1X4	HEADER-1X4	
K6	PRKR6	PRKR6	PRKR6	
K7	EXT-PWR	PRKR2	PRKR2	SCREW TERMINAL 5MM
K8	PWR-SELECT	HEADER-1X3	HEADER-1X3	
K9	USB_MINI_B	USB_MINI_B	MINI_USB_B_SMD	
K100	DBG-SEL	HEADER-1X3	HEADER-1X3	
LED1	SMD 5050	LED?	PLCC6_N_WITH_HEATSINK	
Q1	BC857	BC857	SOT23-BCE	BC857 SMALL SIGNAL PNP BIPOLAR TRANSISTOR
Q2, Q3, Q4, Q5	BC847	BC847	SOT23-BCE	BC847 SMALL SIGNAL NPN TRANSISTOR
R1, R2, R4, R7, R15, R16, R30, R32, R40, R41	10K	0805R-10K	0805R-10K	RESISTOR 0805 1/4 WATT THIN FILM
R3	OPEN	0805R-10K	0805R-10K	RESISTOR 0805 1/4 WATT THIN FILM
R5, R6, R10, R11, R12, R13, R22, R24, R37, R38, R39, R42	330R	0805R-330	0805R-330	RESISTOR 0805 1/4 WATT THIN FILM
R8, R9	4K7	0805R-4K7	0805R-4K7	RESISTOR 0805 1/4 WATT THIN FILM
R17	100K	0805R-10K	0805R-10K	RESISTOR 0805 1/4 WATT THIN FILM
R18, R21, R23, R25, R26, R27, R29, R34, R35, R36	100R	0805R-100	0805R-100	RESISTOR 0805 1/4 WATT THIN FILM
R19, R20, R33	10K	0805R-1K	0805R-1K	RESISTOR 0805 1/4 WATT THIN FILM
R28	24K	0805R-22K	0805R-22K	RESISTOR 0805 1/4 WATT THIN FILM
R31	GL5539	R?	GL5539	
S1	KSQ-601BP	KSQ-601BP	KSQ-601BP	
SW1, SW2	TD-03XA SMD	SWITCH-STANDARD	SWITCH-STANDARD	
SW3	RST	SW?	SWITCH	
SW4	BOOT	SW?	SWITCH	
SW5	TX2SA	TX2SA	RELAY_SA	
U1	ESP_12_E	ESP_12_E	ESP_12_E	ESP-12 Wi-Fi Module by AI-Thinker
U2	PCF8574	PCF8574	SO-G16/D10.4	
U3	CH340G	CH340G	SO-G16	CH340 serial converter
U4	TPD2S017	TPD2S017	DBV_PACKAGE	
X1	12MHz	XTAL	XTAL-HC497	