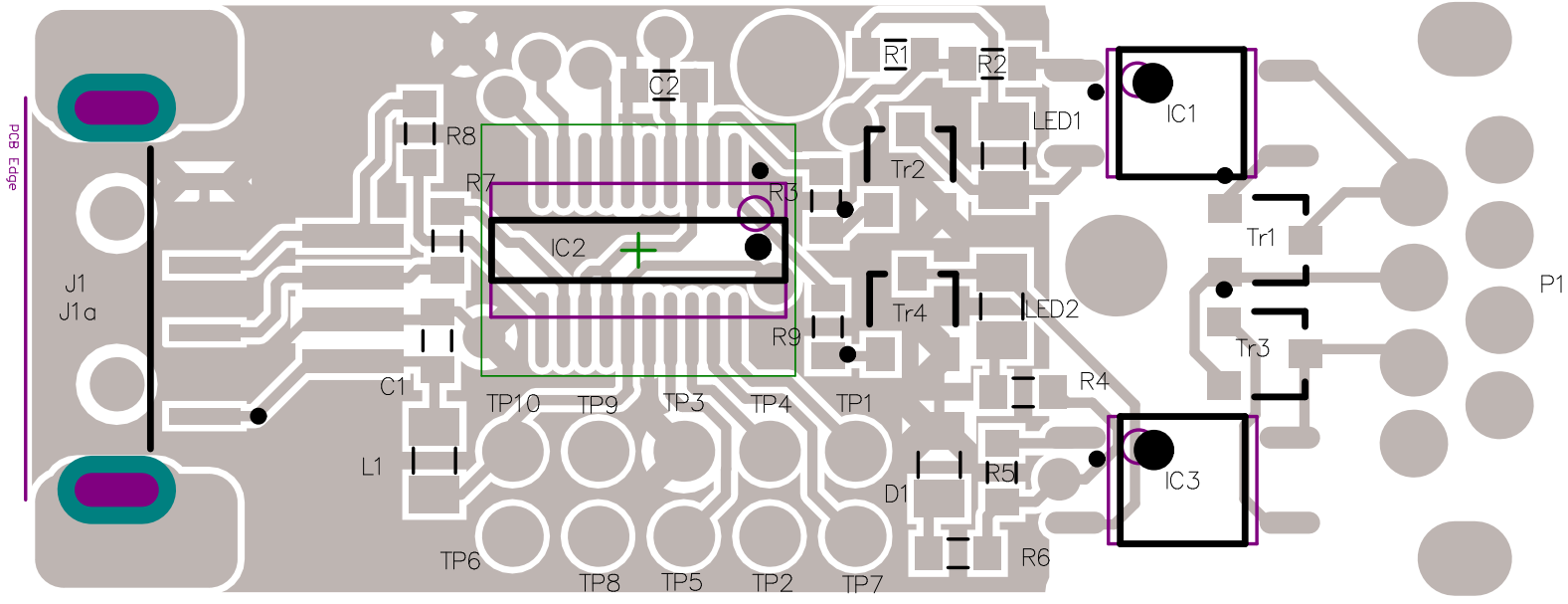
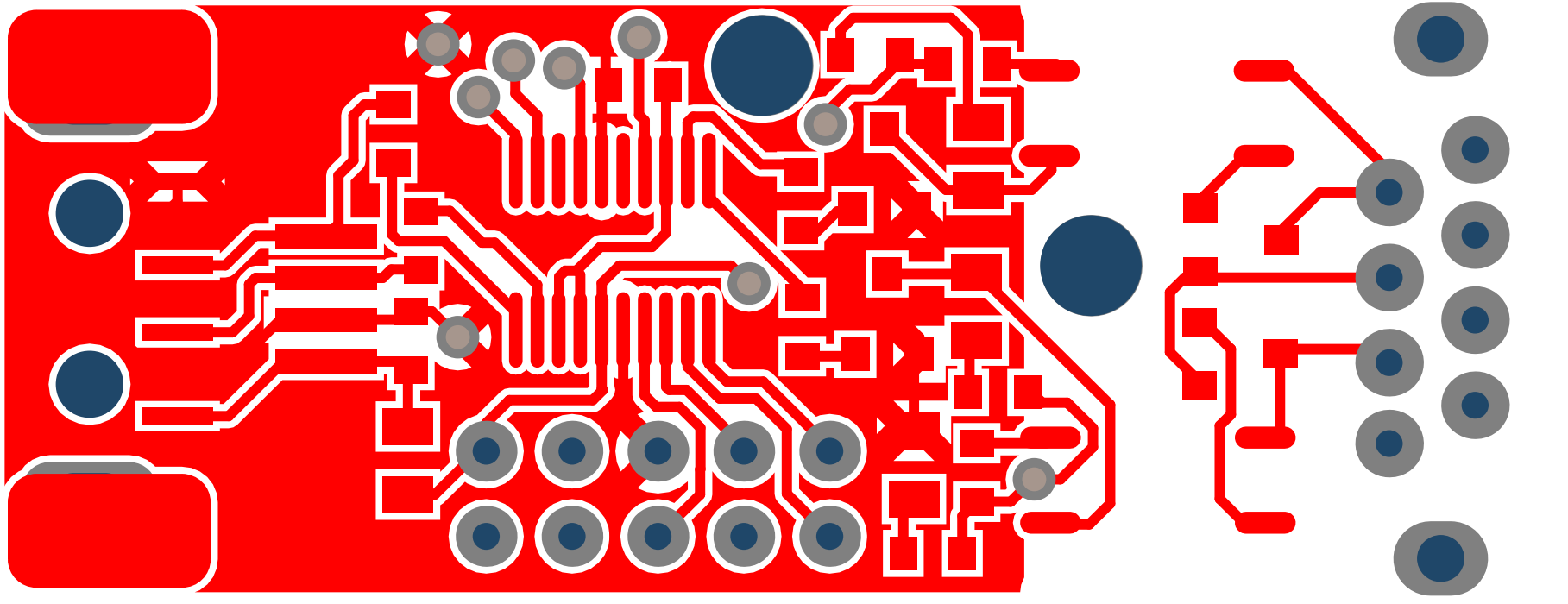
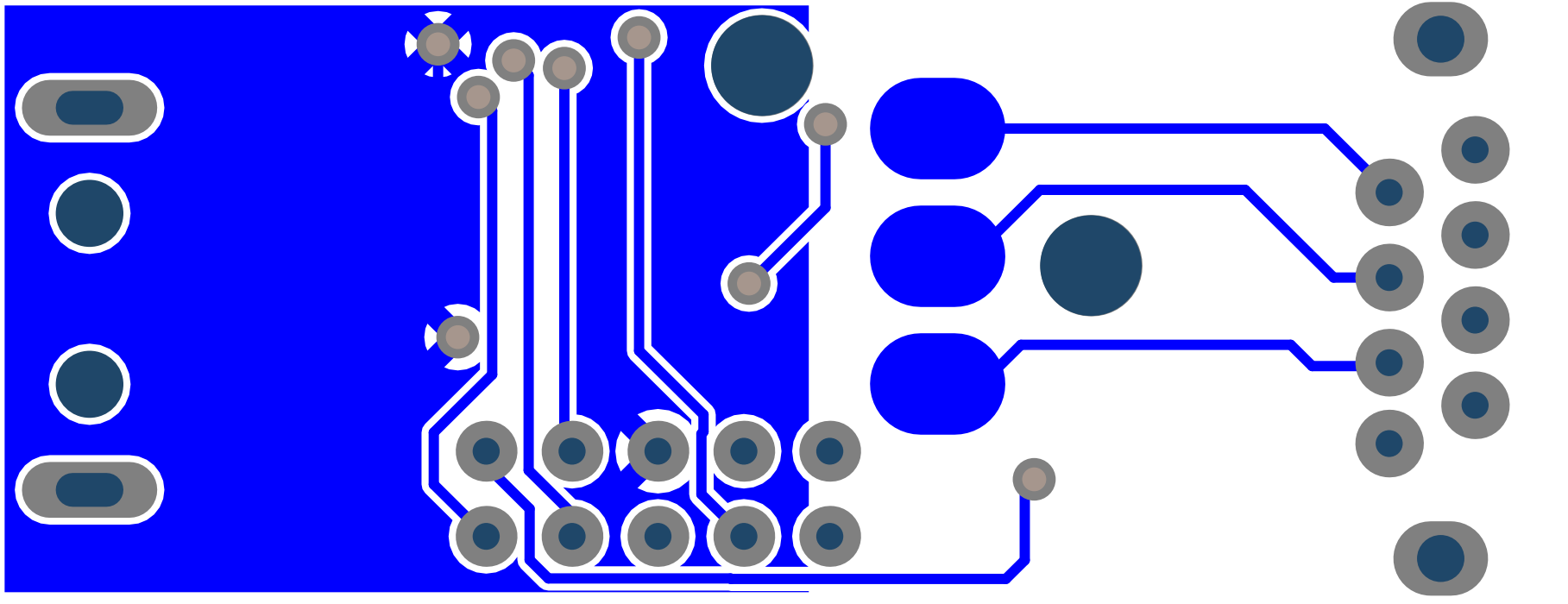
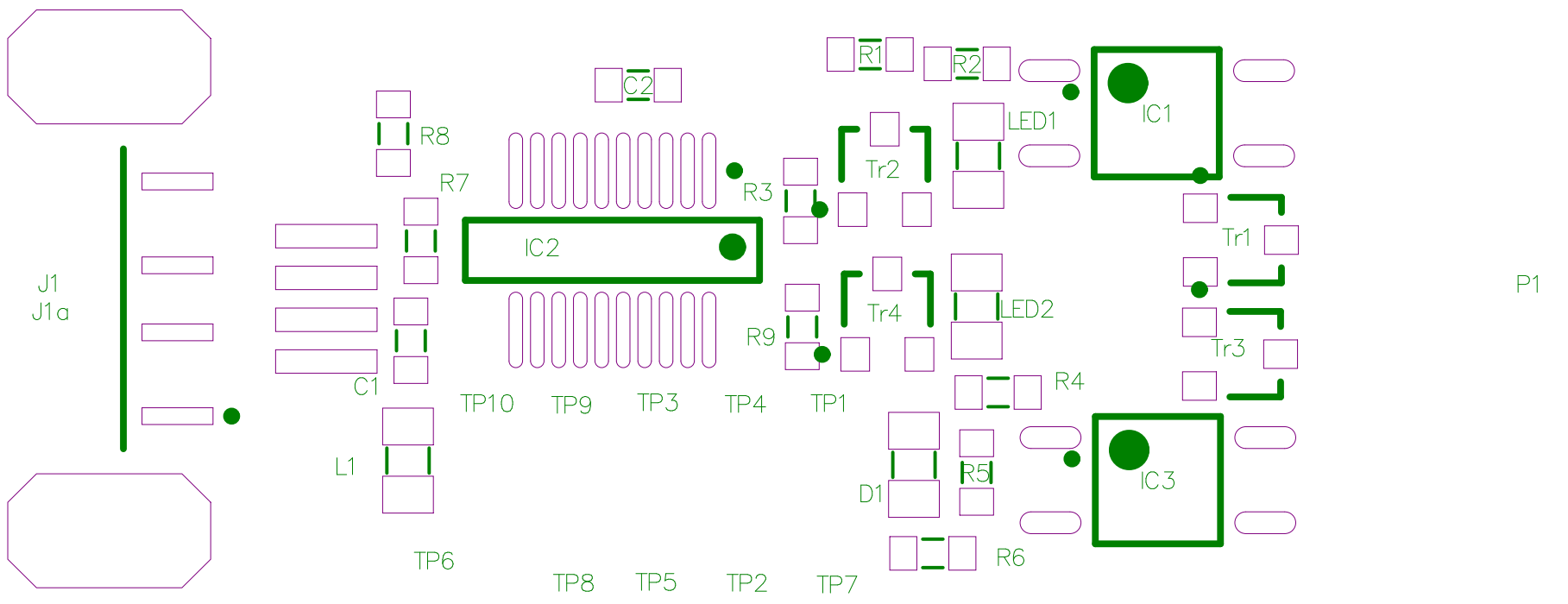

PCB Edge
J1
J1a
C1
L1
C2
R8
R7
R3
IC2
R9
TP10
TP9
TP3
TP4
TP1
TP6
TP8
TP5
TP2
TP7
R1
R2
LED1
Tr2
Tr4
LED2
D1
R5
R6
IC1
IC3
R4
Tr1
Tr3
P1






J1
J1a
R8
R7
C2
IC2
R3
C1
L1
TP10
TP9
TP3
TP4
TP1
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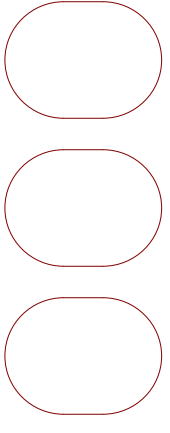
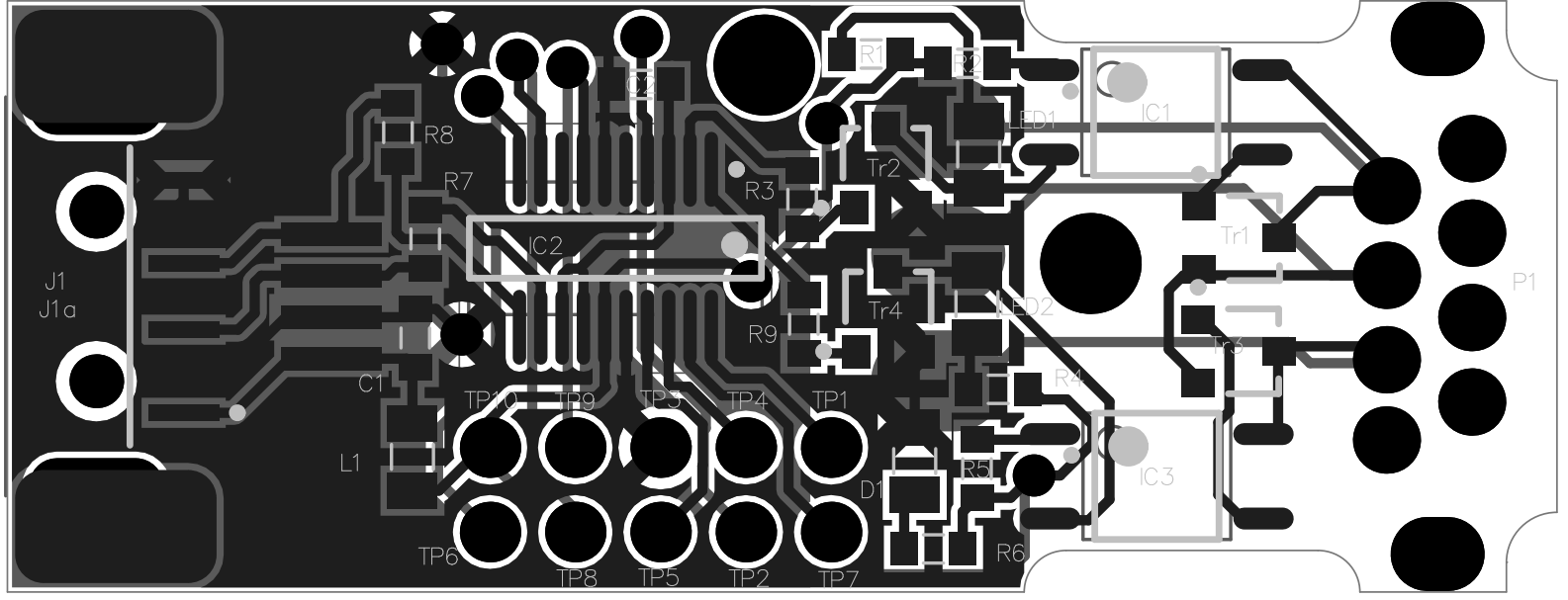
TP8
TP5
TP2
TP7
R1
R2
LED1
IC1
Tr2
Tr1
P1
Tr4
LED2
R9
Tr3
R4
D1
R5
IC3
R6




PCB Edge
J1
J1a
C1
L1
R8
R7
C2
IC2
R1
R2
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IC1
Tr2
R3
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Tr4
LED2
Tr3
R4
IC3
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D1
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TP10
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TP1
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TP2
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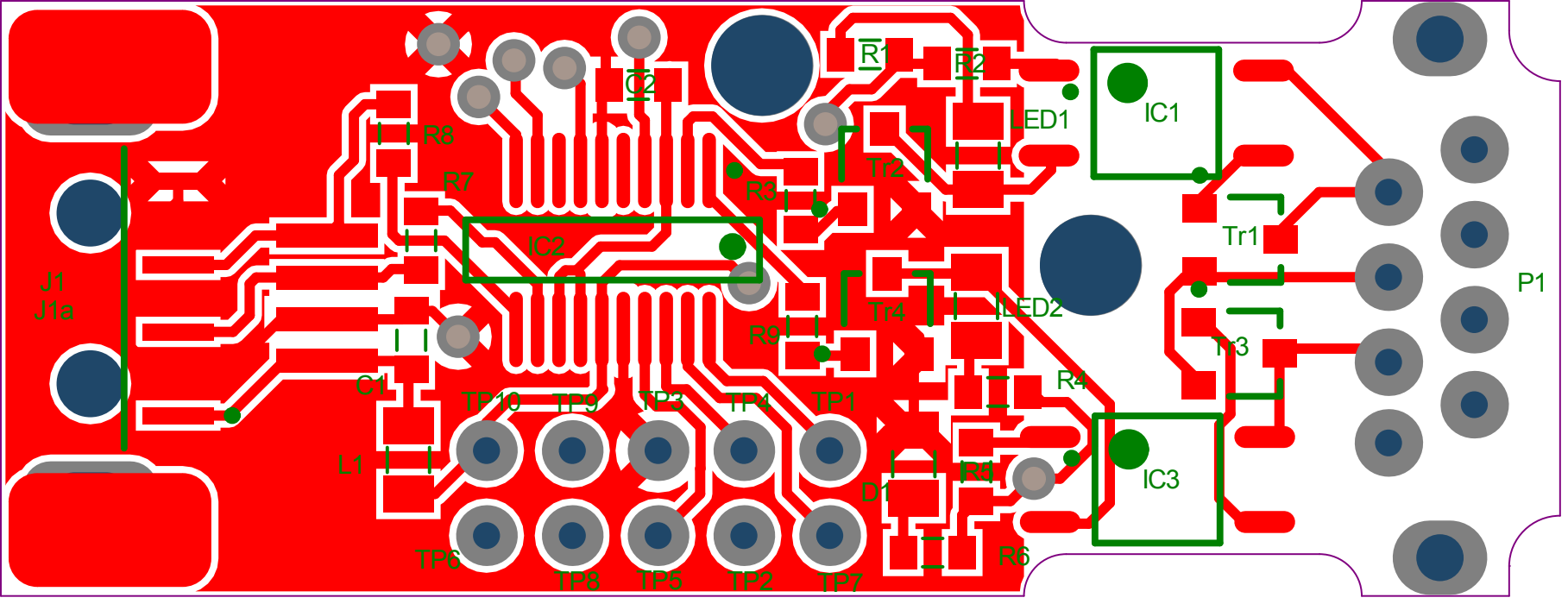
R1
R2
C2
LED1
IC1
R8
R7
Tr2
R3
IC2
Tr1
P1
J1
J1a
Tr4
LED2
R9
Tr3
C1
R4
TP10
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D1
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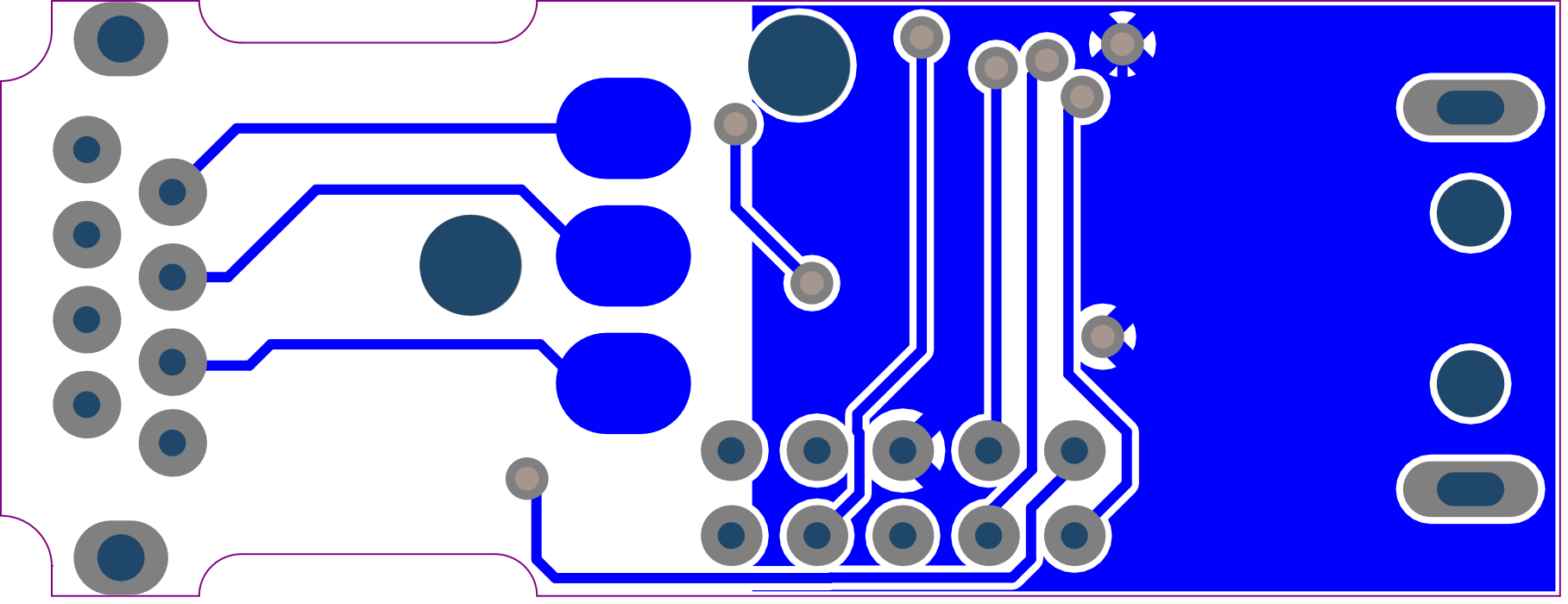
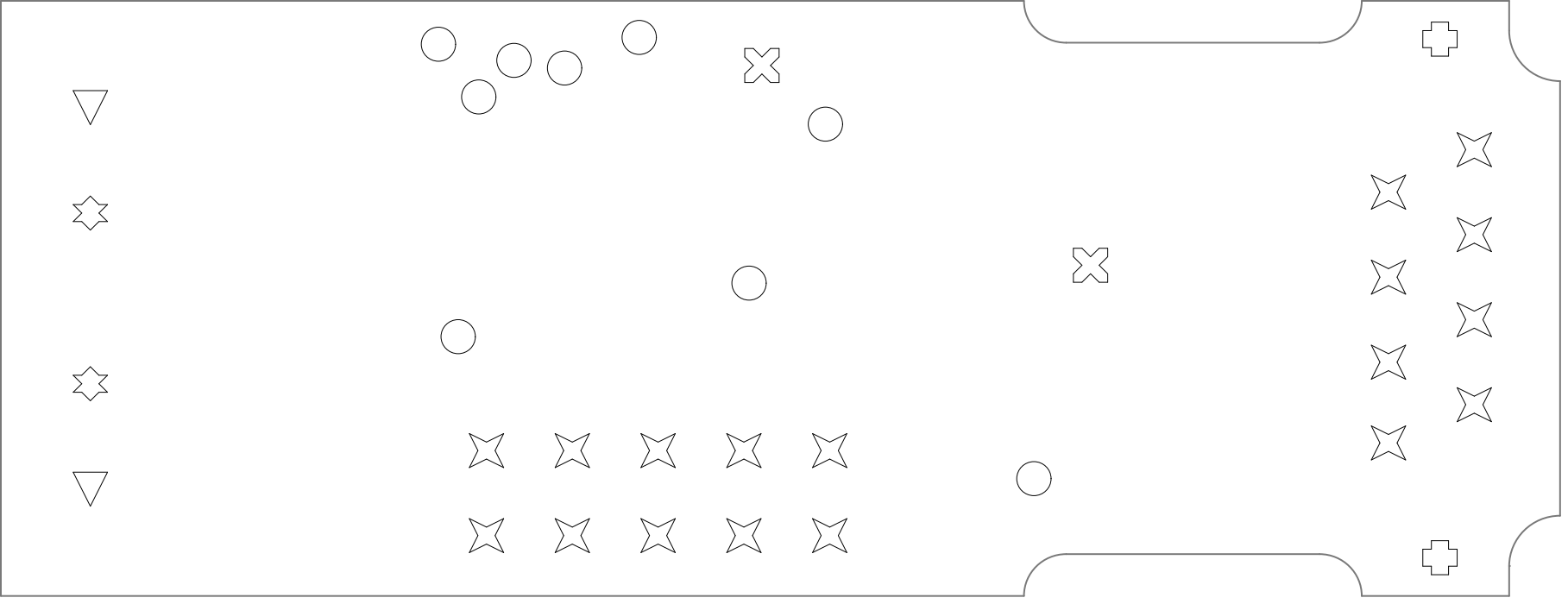
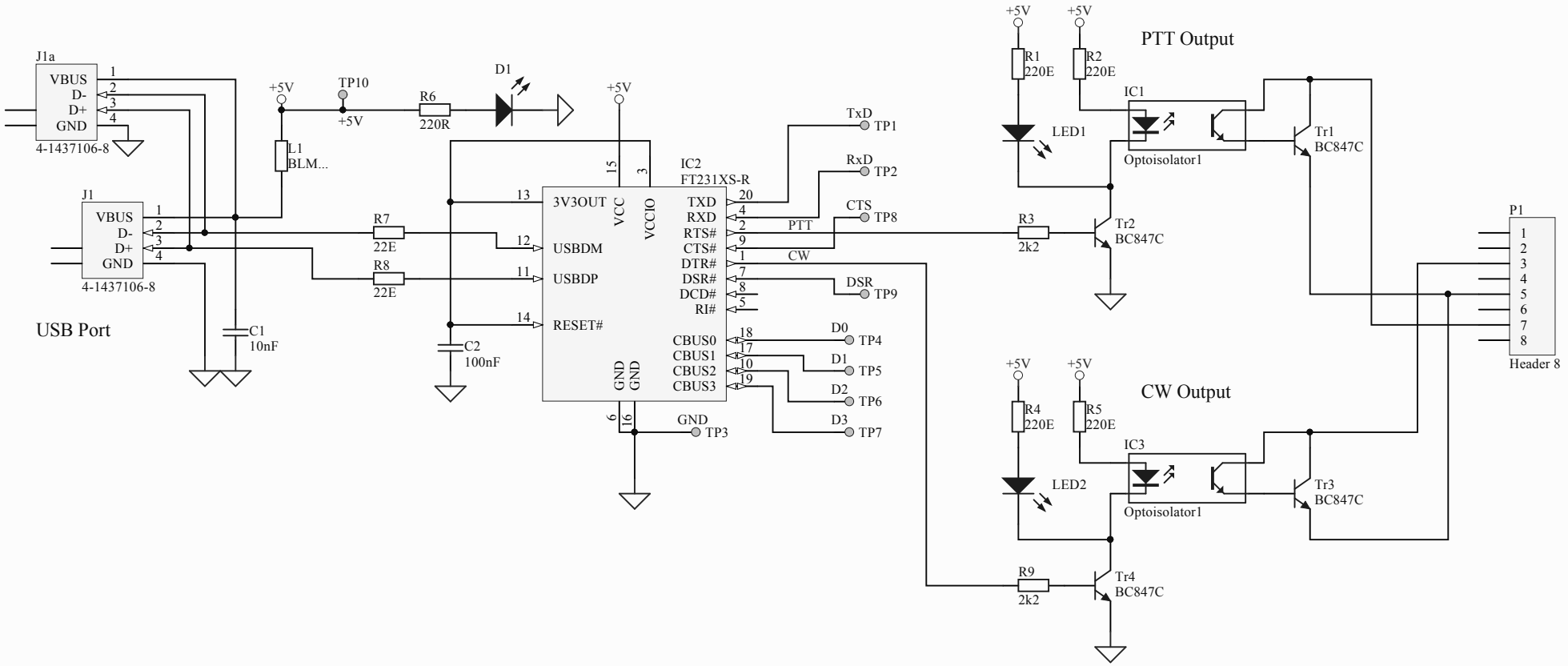
TP8
TP5
TP2
TP7
R6







Title		
Size A4	Number	Revision
Date: 21.12.2017		Sheet of
File: D:\!work\..\isomini.SchDoc		Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity	Value
	Capacitor	C1	0603OK	Cap	1	10nF
	Capacitor	C2	0603OK	Cap	1	100nF
LED3	Typical BLUE SiC LED	D1, LED1, LED2	0805OK	LED3	3	
Optoisolator1	4-Pin Phototransistor Optocoupler	IC1, IC3	TLP124	Optoisolator1	2	
FT231XS-R	USB to Full-Handshake UART Interface Chip, 20-Pin SSOP, UHCI/OHCI/EHCI Compatible, USB 2.0 Compatible, -40°C to +85°C, Pb-Free, Tape and Reel	IC2	SSOP-20_N	FT231XS-R	1	
4-1437106-8	USB 1.1, Right Angle, Thru-Hole, B Type, Receptacle, 4 Position, Natural	J1	1-1734346-1 USB	4-1437106-8	1	
4-1437106-8	USB 1.1, Right Angle, Thru-Hole, B Type, Receptacle, 4 Position, Natural	J1a	1470695	4-1437106-8	1	
Res2	Resistor	L1	0805OK	Res2	1	BLM...
Header 8	Header, 8-Pin	P1	RJ45-brezmagnetike	Header 8	1	
Res2	Resistor	R1, R2, R4, R5	0603OK	Res2	4	220E
Res2	Resistor	R3, R9	0603OK	Res2	2	2k2
Res2	Resistor	R6	0603OK	Res2	1	220R
Res2	Resistor	R7, R8	0603OK	Res2	2	22E
TxD		TP1	En_pin_TP	En_pin	1	
RxD		TP2	En_pin_TP	En_pin	1	
GND		TP3	En_pin_TP	En_pin	1	
D0		TP4	En_pin_TP	En_pin	1	
D1		TP5	En_pin_TP	En_pin	1	
D2		TP6	En_pin_TP	En_pin	1	
D3		TP7	En_pin_TP	En_pin	1	
CTS		TP8	En_pin_TP	En_pin	1	
DSR		TP9	En_pin_TP	En_pin	1	
+5V		TP10	En_pin_TP	En_pin	1	
BC847C	NPN General-purpose Transistor	Tr1, Tr3	SOT23	BC847C	2	
BC847C	NPN General-purpose Transistor	Tr2, Tr4	SOT23-1(3D	BC847	2	