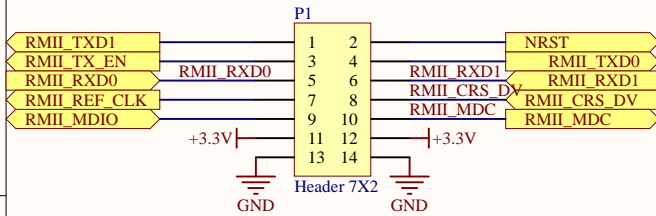
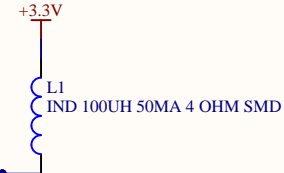


RMII Board-to-Board Connector

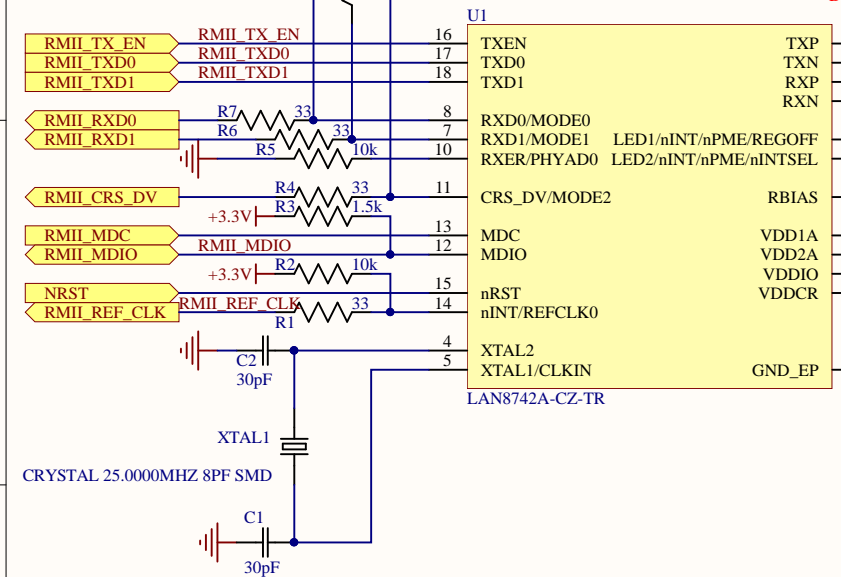
R/A male pins



Diff Pair EMI Filter

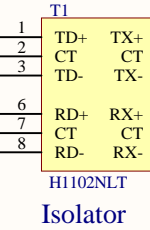
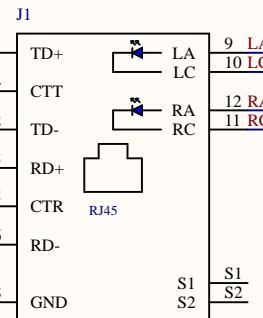


Ethernet Transceiver (PHY layer)



RJ45 Connector

LEDs: Left = Green, Right = Yellow



LED1 (Lx, Green)

REGOFF = 0 (Regulator is ON)
LED1 Output = Active High

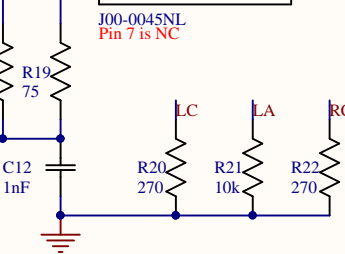
No pull resistor for LED1

LED2 (Rx, Yellow)

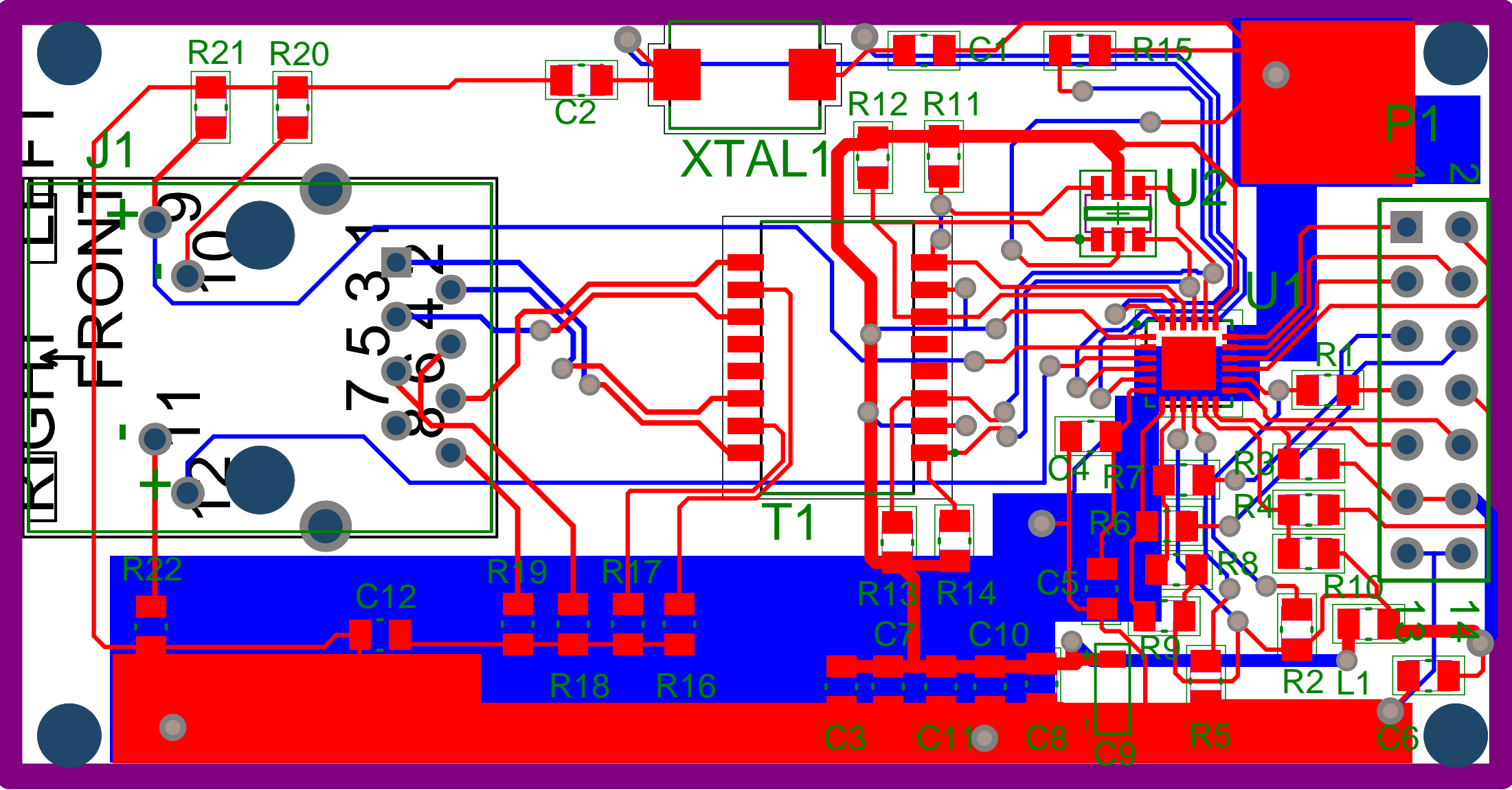
nINTSELF = 0
LED Output = Active High

External pull-down resistor for LED2

LED Resistors and Pull-Down



Title		
Size	Number	Revision
A4		
Date:	2020-03-08	Sheet of
File:	C:\Users\...\rmiidongle-v1.0.SchDoc	Drawn By:



Bill of Materials

Bill of Materials For Project [rmiidongle-v1.0.PrjPcb] (No PCB Document Selected)

Source Data From: rmiidongle-v1.0.PrjPcb
 Project: rmiidongle-v1.0.PrjPcb
 Variant: None

Creation Date: 2020-03-08 3:03:34 PM
 Print Date: 08-Mar-20 3:03:48 PM

Footprint	Comment	LibRef	Designator	Description	Quantity
0805	30pF	CAP 30pF 0805	C1, C2	CAP CER 30PF 25V NP0 0805	2
0805	100nF	CAP 100nF 0805	C3, C6, C7, C8, C10, C11	CAP CER 0.1UF 50V X7R 0805	6
0805	470pF	CAP 470pF 0805	C4	CAP CER 470PF 50V C0G/NPO 0805	1
0805	1uF	CAP 1uF 0805	C5	CAP CER 1UF 50V X7R 0805	1
1206	10uF	CAP TANT 10UF 1206	C9	10uF Molded Tantalum Capacitors 10V 1206 (3216 Metric) 3.8Ohm	1
Polarized	1nF	CAP 1nF 0805	C12	CAP CER 1000PF 50V X7R 0805	1
RJ45 J00-0045NL	J00-0045NL	J00-0045NL	J1	1 Port RJ45 Magjack Connector Through Hole 10/100 Base-TX, AutoMDIX	1
0805	IND 100UH 50MA 4 OHM SMD	IND 100UH 50MA 4 OHM SMD	L1	100uH Unshielded Wirewound Inductor 50mA 4Ohm 0805 (2012 Metric)	1
HDR2X7	Header 7X2	Header 7X2	P1	Header, 7-Pin, Dual row	1
0805	33	RES 33 0805	R1, R4, R6, R7	RES SMD 33 OHM 1% 1/8W 0805	4
0805	10k	RES 10k 0805	R2, R5, R8, R9, R10, R21	RES SMD 10K OHM 1% 1/8W 0805	6
0805	1.5k	RES 1.5k 0805	R3	RES SMD 1.5K OHM 1% 1/8W 0805	1
0805	49.9	RES 49.9 0805	R11, R12, R13, R14	RES SMD 49.9 OHM 1% 1/8W 0805	4
0805	12.1k	RES 12.1k 0805	R15	RES SMD 12.1K OHM 1% 1/8W 0805	1
0805	75	RES 75 0805	R16, R17, R18, R19	RES SMD 75 OHM 1% 1/8W 0805	4
0805	270	RES 270 0805	R20, R22	RES SMD 270 OHM 5% 1/8W 0805	2
TRANSFORMER	H1102NLT	H1102NLT	T1	Isolation and Data Interface _Encapsulated_ Pulse Transformer 1:1 Transmitter, 1:1 Receiver Surface Mount	1
24-QFN (4x4)	LAN8742A-CZ-TR	LAN8742A-CZ-TR	U1	LAN8742A-CZ-TR - Small Footprint RMII 10/100 Ethernet, Transceiver with HP Auto-MDIX and flexPWR Technology SQFN-24	1
SOT23-6L SMD-2	USBLC6-4SC6 CRYSTAL 25.0000MHZ 8PF SMD	USBLC6-4SC6 XTAL 25MHZ 8PF SMD	U2		1
			XTAL1	25MHz ±50ppm Crystal 8pF 70 Ohms 2-SMD, No Lead	1
					41

Approved	Notes