

# KSZ9021RN Socket Board Revision 1.0

## REVISION HISTORY

DATE	DESCRIPTION	REVISION
11/11/09	Initial Release	1.0

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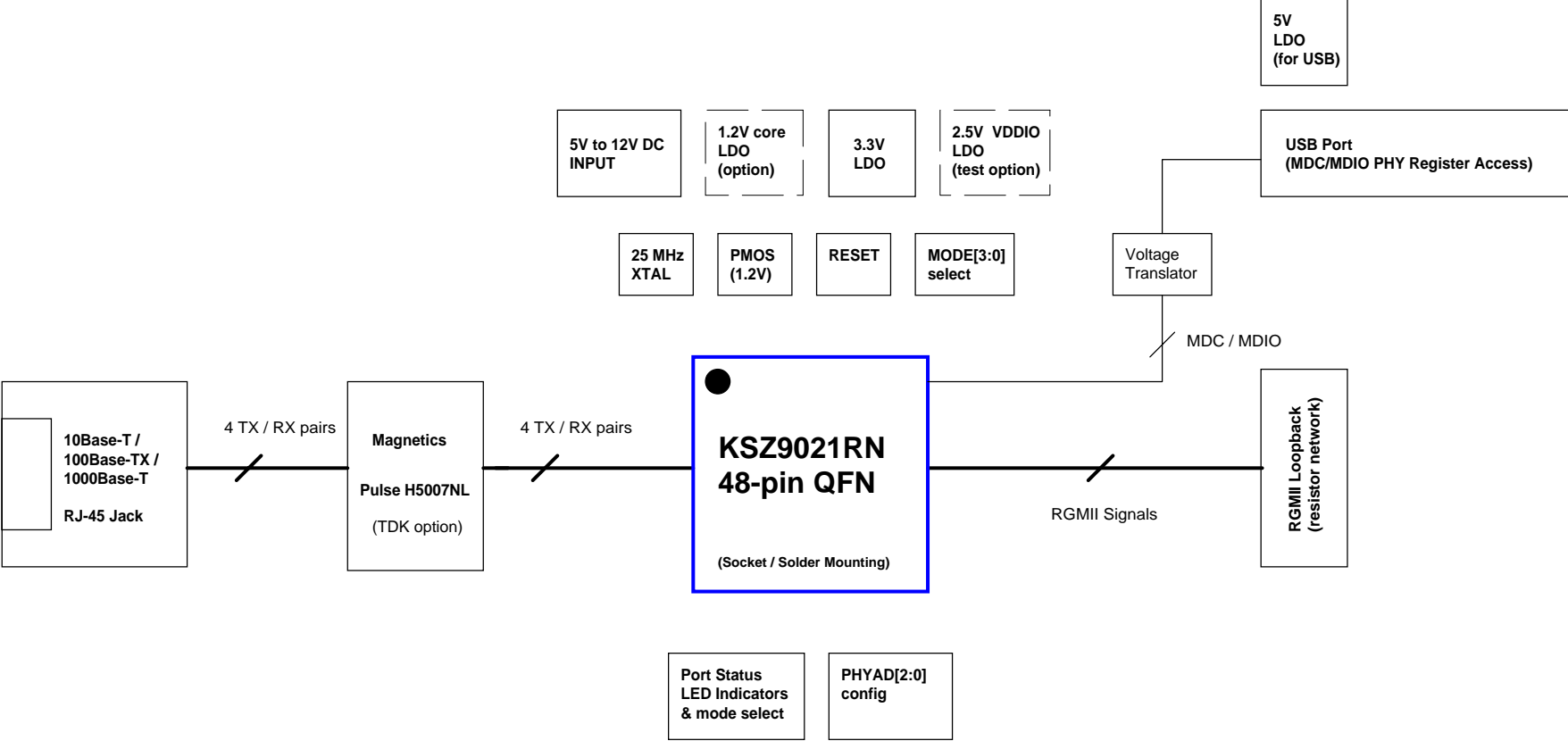
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KSZ9021RN SOCKET BOARD - BLOCK DIAGRAM



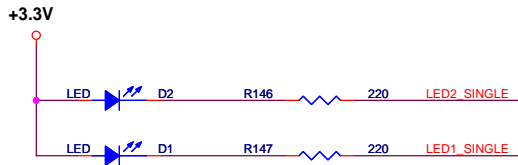
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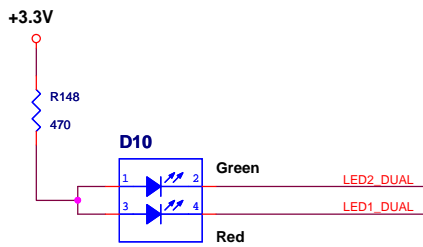
### Single LED Mode

Pin	Description
LED2	1 : Link off 0 : Link on (any speed), solid color
LED1	Blinking : Activity (RX, TX)



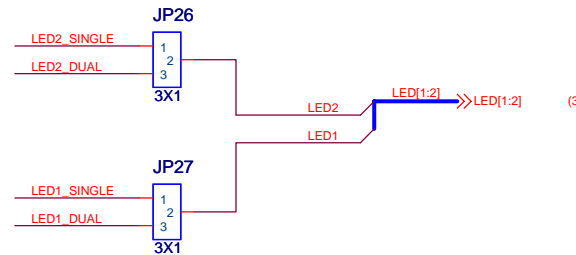
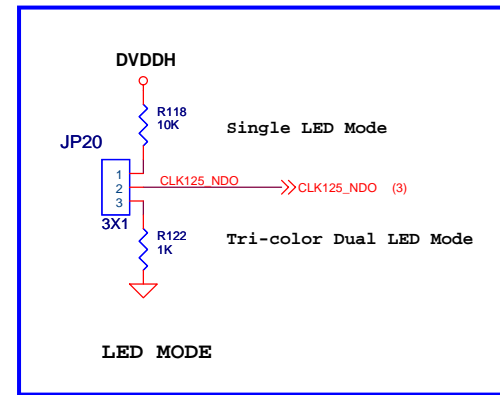
### Tri-color Dual LED Mode

Pins [LED2, LED1]	Description	
[0, 1] [togglng, 1]	Solid Color : 1G Link Blinking : Activity (RX, TX)	Green
[1, 0] [1, togglng]	Solid Color : 100M Link Blinking : Activity (RX, TX)	Red
[0, 0] [togglng, togglng]	Solid Color : 10M Link Blinking : Activity (RX, TX)	Orange
[1, 1]	Link off	



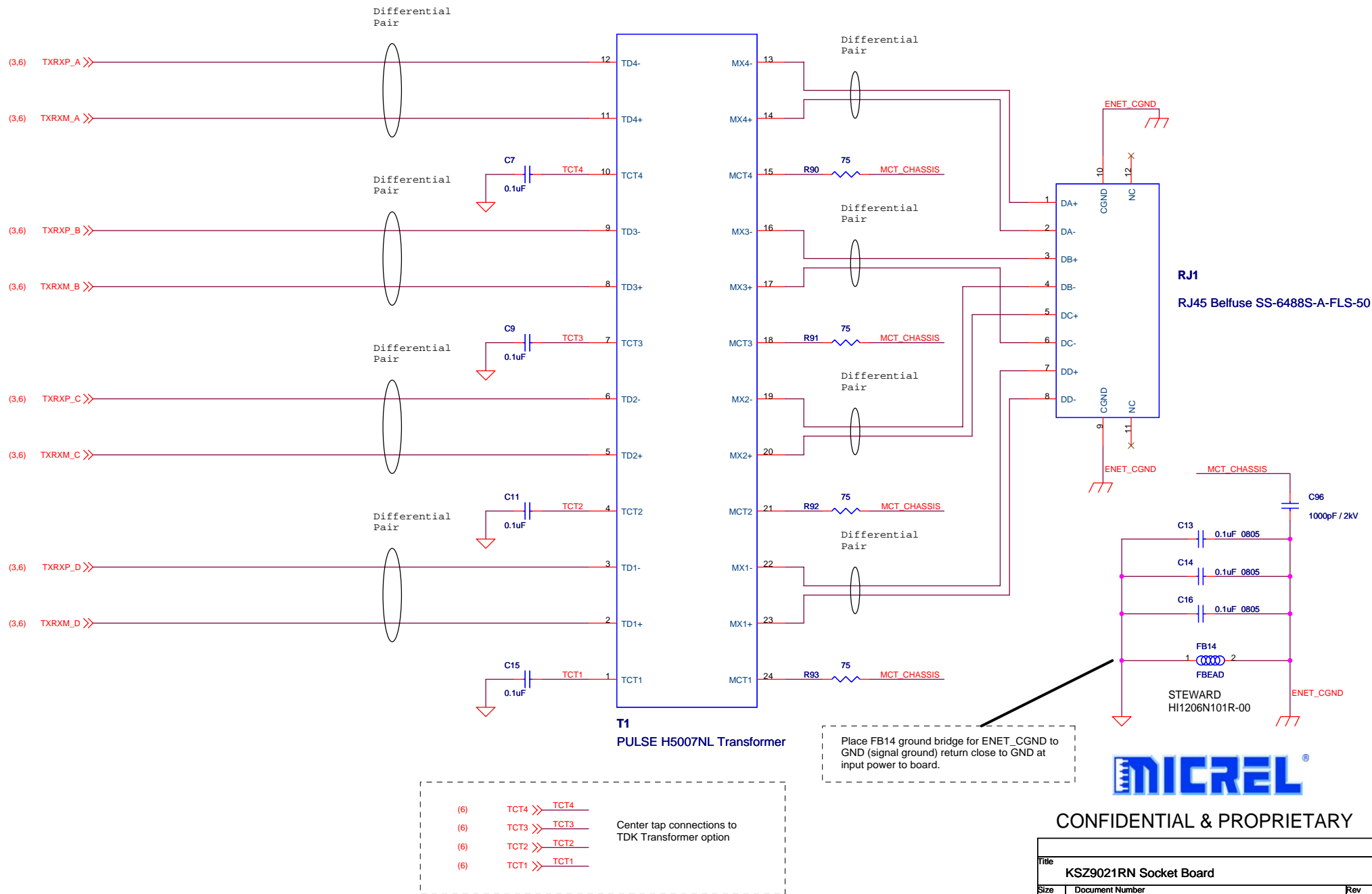
Dialight 598-8610-207F / 1210 SMD

### Strapping Pin



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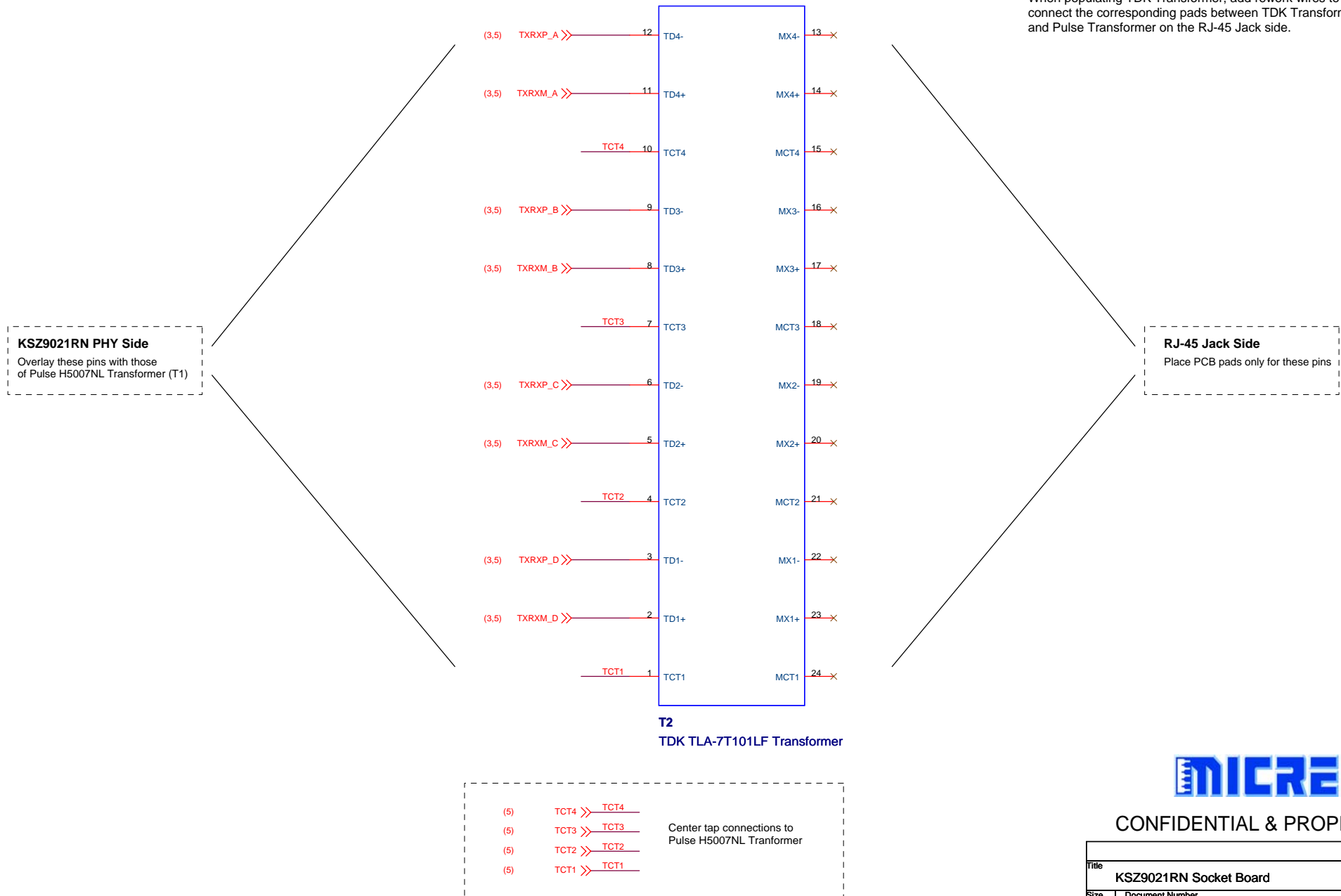
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## TDK TLA-7T101LF Transformer Option

TDK Transformer has the same pinouts as the Pulse H5007NL (T1), but is narrower.

Layout TDK Transformer as detailed on this page.

When populating TDK Transformer, add rework wires to connect the corresponding pads between TDK Transformer and Pulse Transformer on the RJ-45 Jack side.



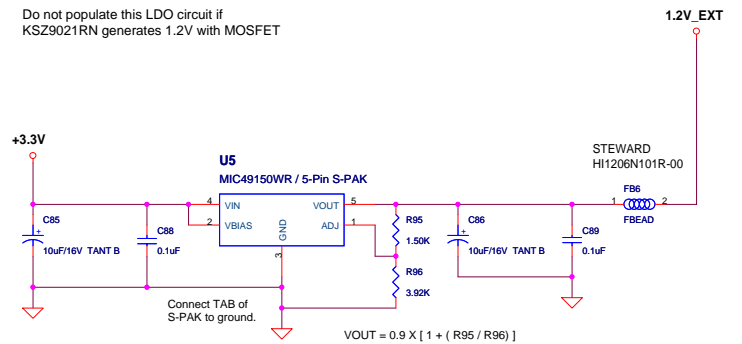
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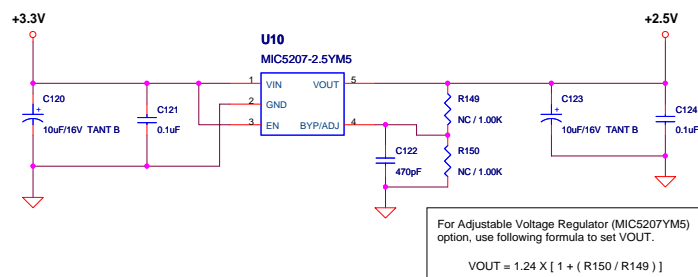
## 1.2V Power option

Do not populate this LDO circuit if KSZ9021RN generates 1.2V with MOSFET



## 2.5V Power (test option)

Provides 2.5V option for KSZ9021RN VDDIO power (DVDDH plane); Set by JP23.



## +(5V to 12V) DC Input

