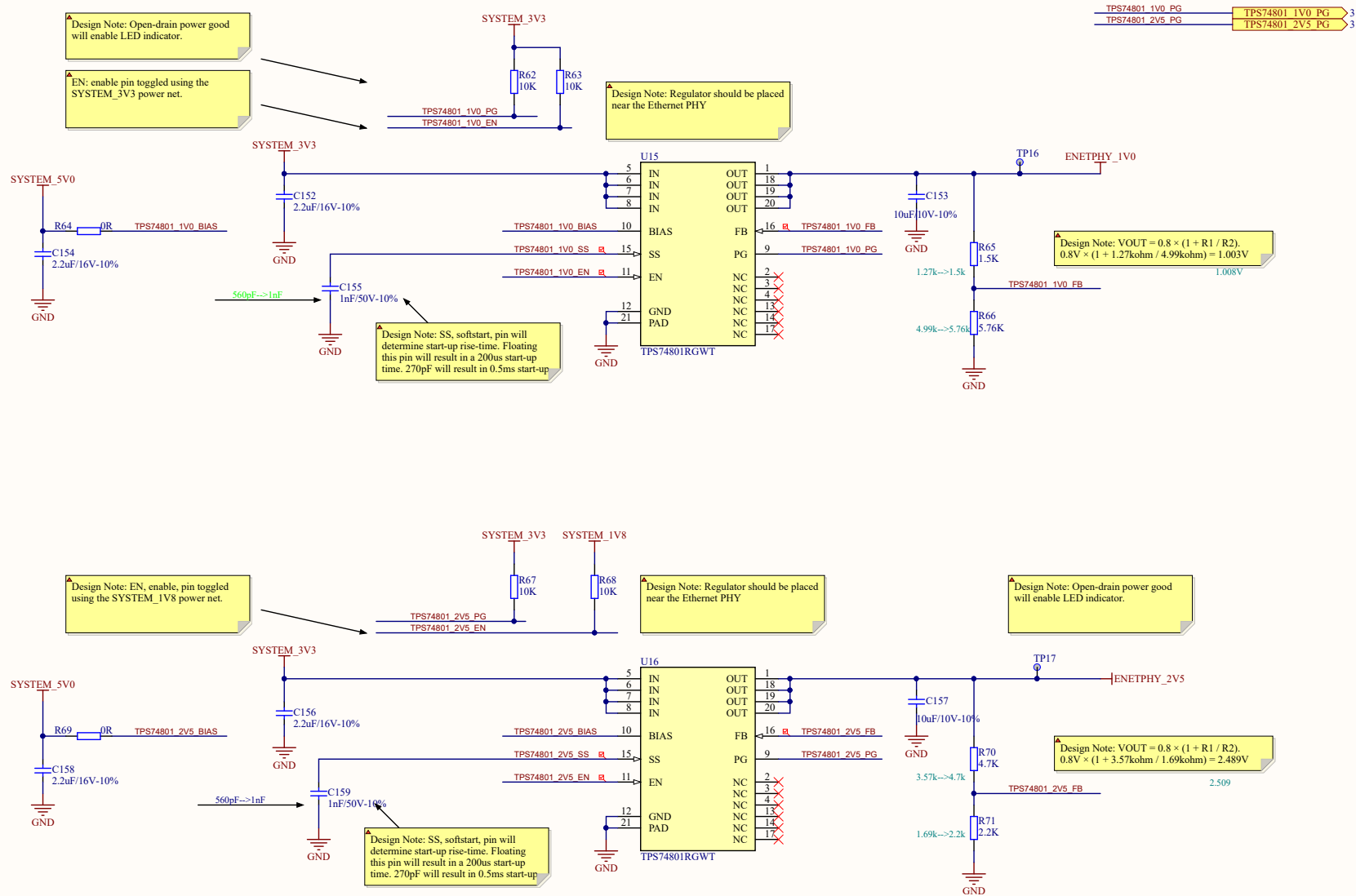


## TPS74801QRGWRQ1 - Ethernet PHY 1.1V and 2.5V LDO Supplies

Follow all layout guidelines as presented in the device datasheet.

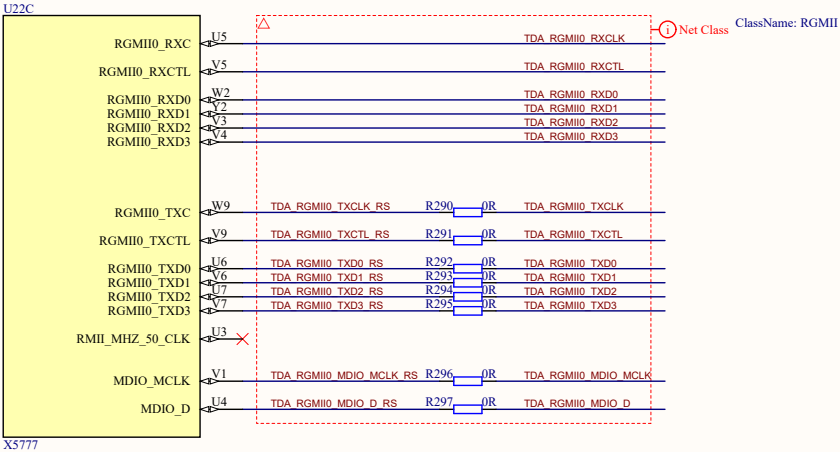


References

TDA2 Evaluation Board  
TDA2 Evaluation Board - Schematic (CDDS INTERNAL ONLY)  
TDA2 Evaluation Board - BoM (CDDS NTERNAL ONLY)  
Yayu Power Integrity Analysis - (INTERNAL ONLY)

TDA2 - RGMII 1Gigabit Ethernet

Follow all layout guidelines as presented in these documents.



|                                                                                                    |                |                         |
|----------------------------------------------------------------------------------------------------|----------------|-------------------------|
|  森思泰克河北科技有限公司 |                |                         |
| 项目名称 STJ77-6                                                                                       |                | Sensortech Confidential |
| 版本 V1.0.0                                                                                          | 日期 2021/9/3    | 设计 qish-18089           |
| 尺寸 A3                                                                                              | 第 55 页, 共 63 页 | 校对                      |
| 单元名 47-TDA2_RGMII.schdoc                                                                           |                | 批准                      |

## References

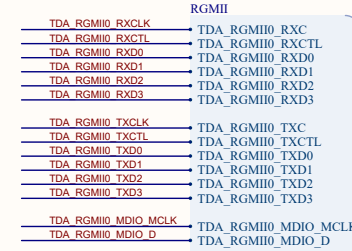
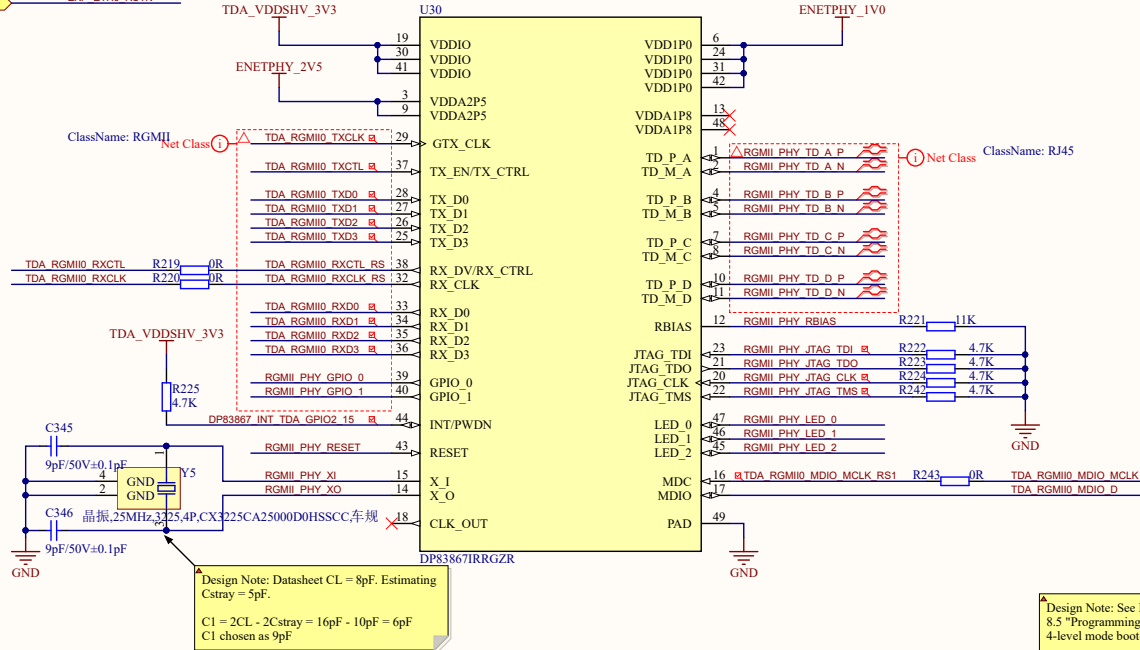
TDA2 Evaluation Board  
TDA2 Evaluation Board - Schematic (CDD5 INTERNAL ONLY)  
TDA2 Evaluation Board - BoM (CDD5 NTERNAL ONLY)

TI Ethernet Physical Layer Controller 10/100/1000 Base-TX PHY Serial Interface 64-HTQFP (10x10)

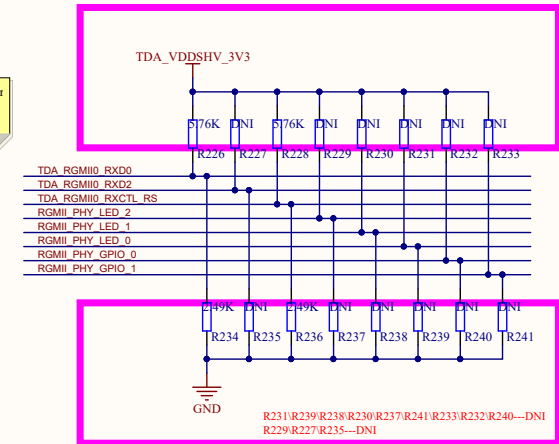
Follow all layout guidelines as presented in these documents.

# TDA2 - RGMII 1Gigabit Ethernet PHY and RJ45 Magnetics

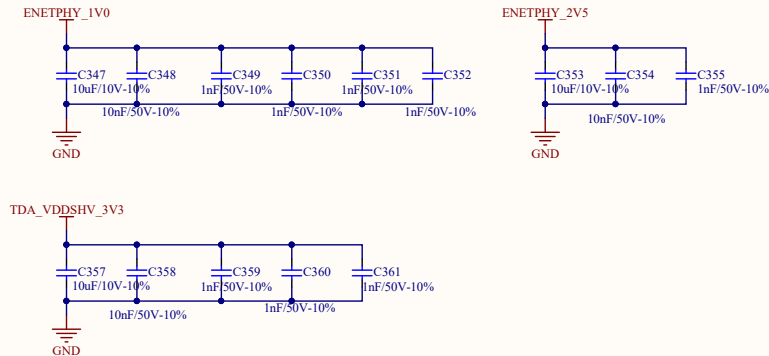
## RGMII Ethernet PHY



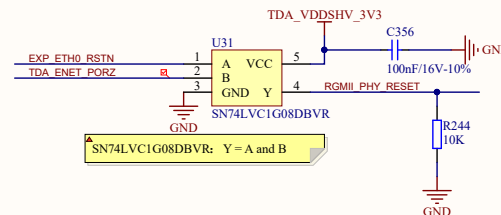
## Ethernet PHY Bootstrap Pull-up/down



## Ethernet PHY Decoupling



## RGMII Ethernet PHY Reset



|              |                             |
|--------------|-----------------------------|
| 森思泰克河北科技有限公司 |                             |
| 项目名称         | STJ77-6                     |
| 版本           | V1.0.0                      |
| 日期           | 2021/9/3                    |
| 尺寸           | A3                          |
| 单元名          | S8-TDA2 Ethernet PHY.schdoc |
| 设计           | qish-18089                  |
| 校对           |                             |
| 批准           |                             |

## References

TDA2 Evaluation Board

TDA2 Evaluation Board - Schematic (CDD5 INTERNAL ONLY)

TDA2 Evaluation Board - BoM (CDD5 NTERNAL ONLY)

TL Ethernet Physical Layer Controller 10/100/1000 Base-TX PHY Serial Interface 64-HTOFP (10x10)

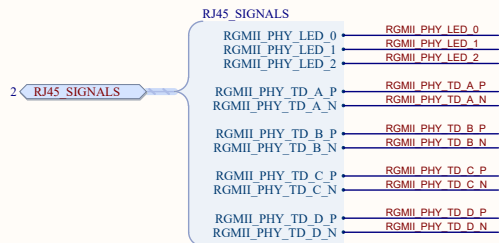
TPDxE05U06-Q1 1 and 4 Channel ESD Protection Diodes for SuperSpeed (Up to 6 Gbps) Interface

Follow all layout guidelines as presented in these documents.

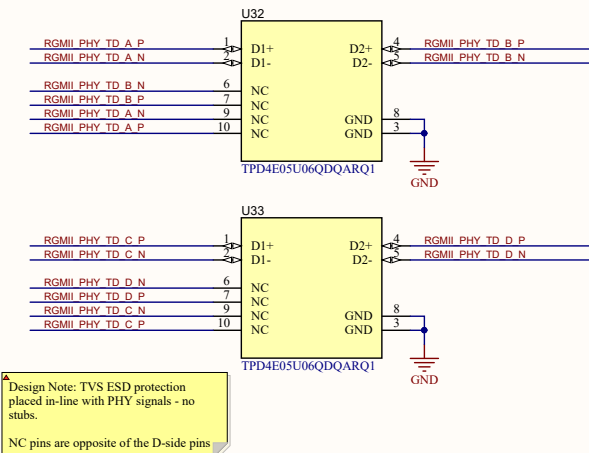
## TDA2 - RGMII 1Gigabit Ethernet RJ45 Magnetics

### Ethernet RJ45 and Magnetics

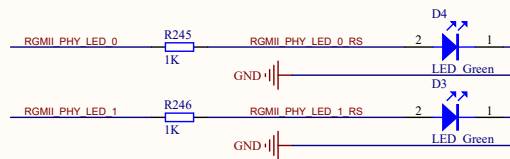
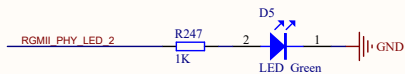
### RGMII Ethernet PHY



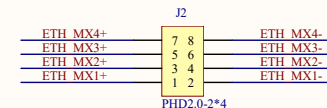
### Ethernet TVS ESD Protection



### Ethernet Activity LED2



线序可调，保持差分，两种接插件重合放置



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|      |                              |                         |
|------|------------------------------|-------------------------|
| 项目名称 | STJ77-6                      | Sensortech Confidential |
| 版本   | V1.0.0                       | 日期 2021/9/3             |
| 尺寸   | A3                           | 第 35 页，共 63 页           |
| 单元名  | S9-TDA2 Ethernet RJ45.schdoc | 批准                      |