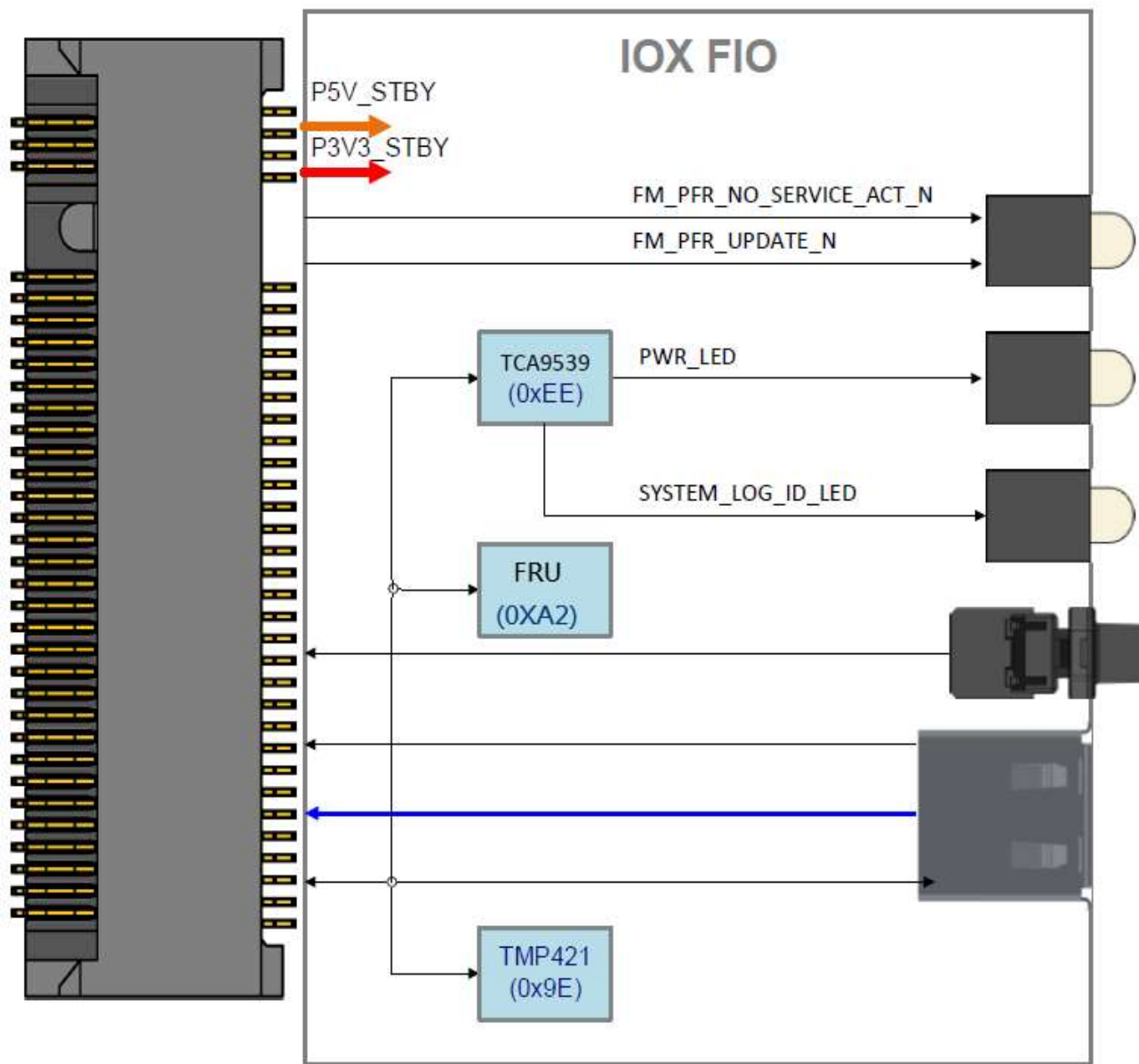


# *Front\_IO\_board*

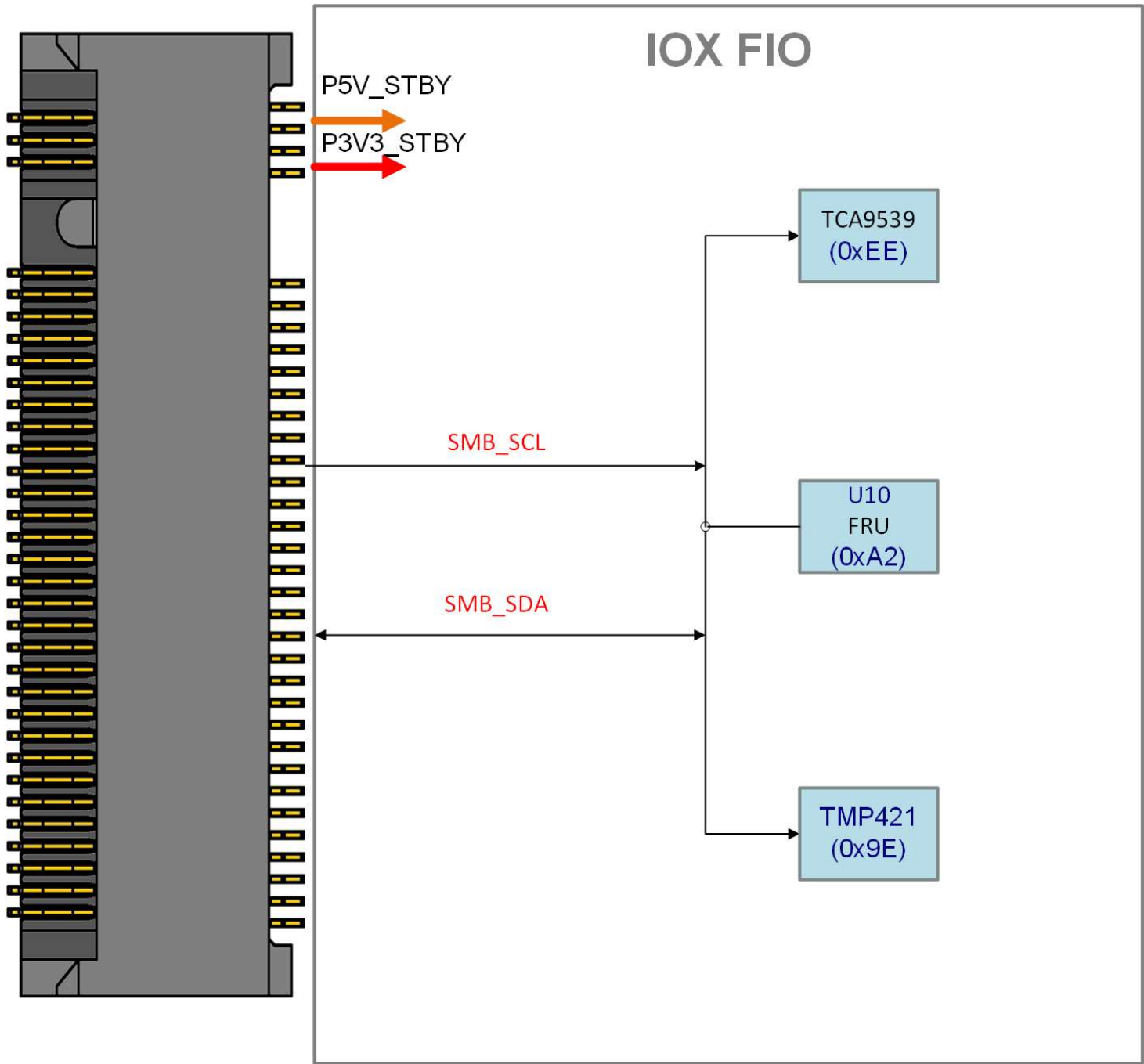
Project Name :  
PCB Number:  
PCB REV:  
PCBA REV:  
LAST UPDATE:

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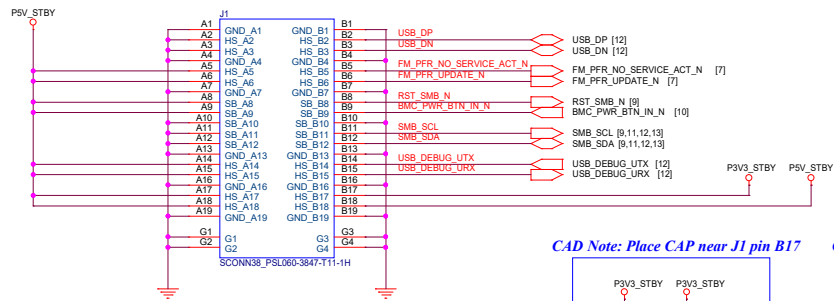


BOARD BLOCK DIAGRAM

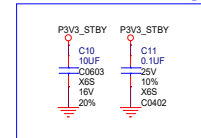


I2C BLOCK DIAGRAM

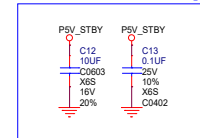
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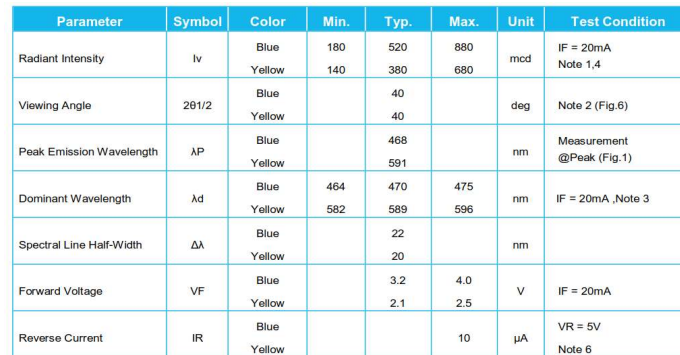


**CAD Note: Place CAP near J1 pin B17**



**CAD Note: Place CAP near J1 pin B18**

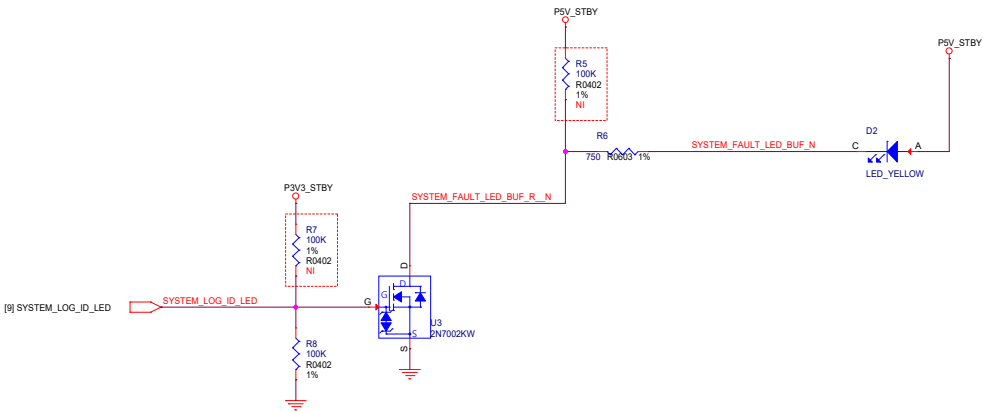




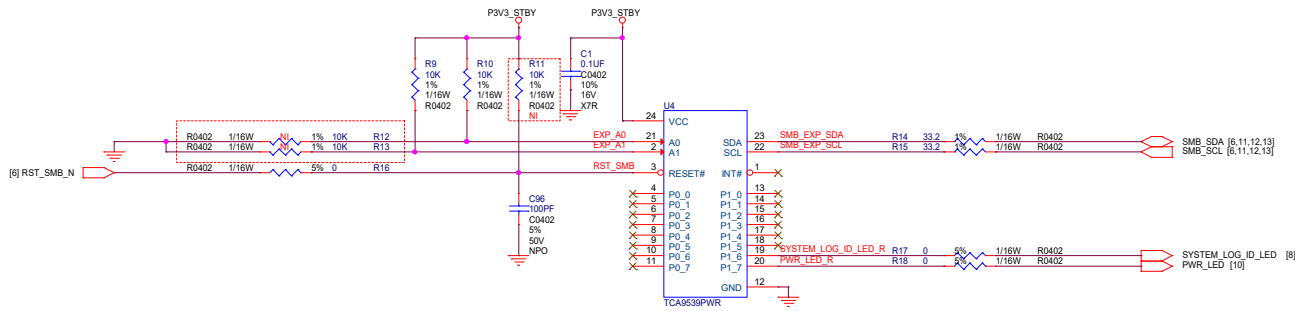
| Parameter                | Symbol | Color  | Min. | Typ. | Max. | Unit | Test Condition               |
|--------------------------|--------|--------|------|------|------|------|------------------------------|
| Radiant Intensity        | Iv     | Blue   | 180  | 520  | 880  | mcd  | IF = 20mA<br>Note 1,4        |
|                          |        | Yellow | 140  | 380  | 680  |      |                              |
| Viewing Angle            | 2θ1/2  | Blue   |      | 40   |      | deg  | Note 2 (Fig.6)               |
|                          |        | Yellow |      | 40   |      |      |                              |
| Peak Emission Wavelength | λP     | Blue   |      | 468  |      | nm   | Measurement<br>@Peak (Fig.1) |
|                          |        | Yellow |      | 591  |      |      |                              |
| Dominant Wavelength      | λd     | Blue   | 464  | 470  | 475  | nm   | IF = 20mA ,Note 3            |
|                          |        | Yellow | 582  | 589  | 596  |      |                              |
| Spectral Line Half-Width | Δλ     | Blue   |      | 22   |      | nm   |                              |
|                          |        | Yellow |      | 20   |      |      |                              |
| Forward Voltage          | VF     | Blue   |      | 3.2  | 4.0  | V    | IF = 20mA                    |
|                          |        | Yellow |      | 2.1  | 2.5  |      |                              |
| Reverse Current          | IR     | Blue   |      |      | 10   | μA   | VR = 5V<br>Note 6            |
|                          |        | Yellow |      |      |      |      |                              |

4. Electrical / Optical Characteristics at TA=25°C

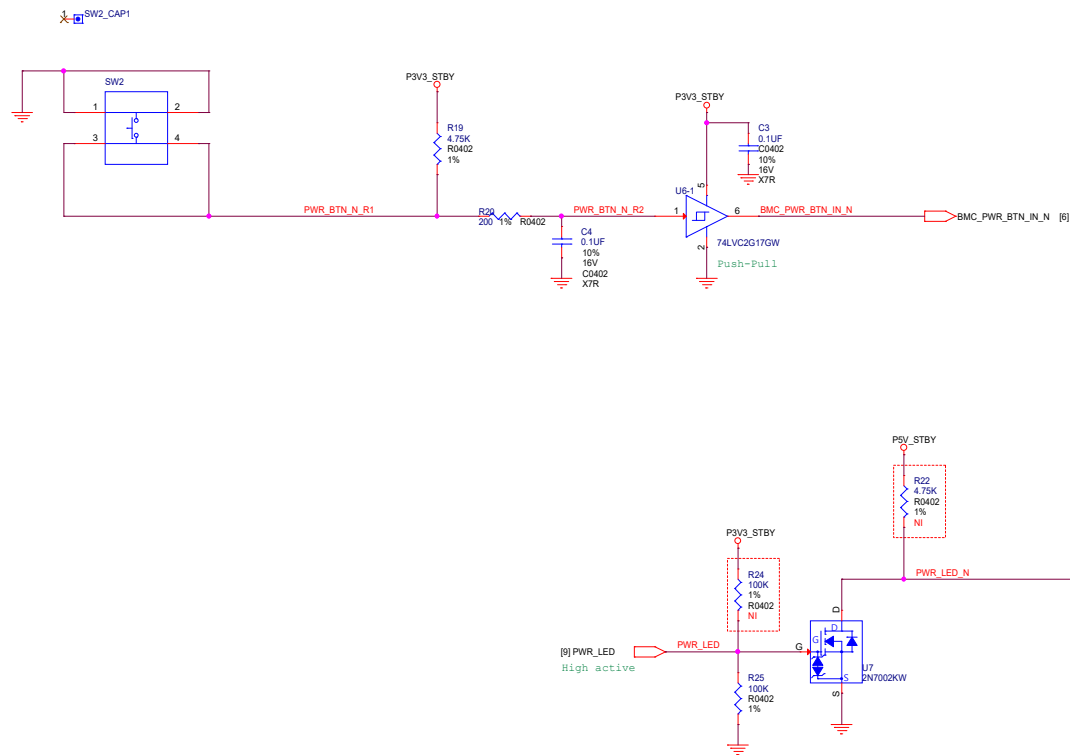
| Parameter                | Symbol | Min. | Typ. | Max. | Unit | Test Condition            |
|--------------------------|--------|------|------|------|------|---------------------------|
| Luminous Intensity       | IV     | 4.5  |      | 38   | mcd  | IF = 20mA                 |
| Viewing Angle            | 2θ1/2  |      | 40   |      | deg  | Note 1, 3                 |
| Peak Emission Wavelength | λP     |      | 592  |      | nm   | Measurement @Peak (Fig.1) |
| Dominant Wavelength      | λd     | 582  | 589  | 595  | nm   | IF=20 mA, Note 4          |
| Spectral Line Half-Width | Δλ     |      | 15   |      | nm   |                           |
| Forward Voltage          | VF     |      | 2.0  | 2.5  | V    | IF = 20mA                 |
| Reverse Current          | IR     |      |      | 10   | μA   | VR = 5V, Note 5           |



| IO Board - System status LED (designed by JG1) |             |               |              |
|------------------------------------------------|-------------|---------------|--------------|
| BMC Ready?                                     | System log? | LED Color     | LED behavior |
| NO                                             | x           | x             | always OFF   |
| YES                                            | NO          | Blue          | always ON    |
| YES                                            | YES         | Orange(Amber) | Blink        |
| Control by BMC                                 |             |               |              |



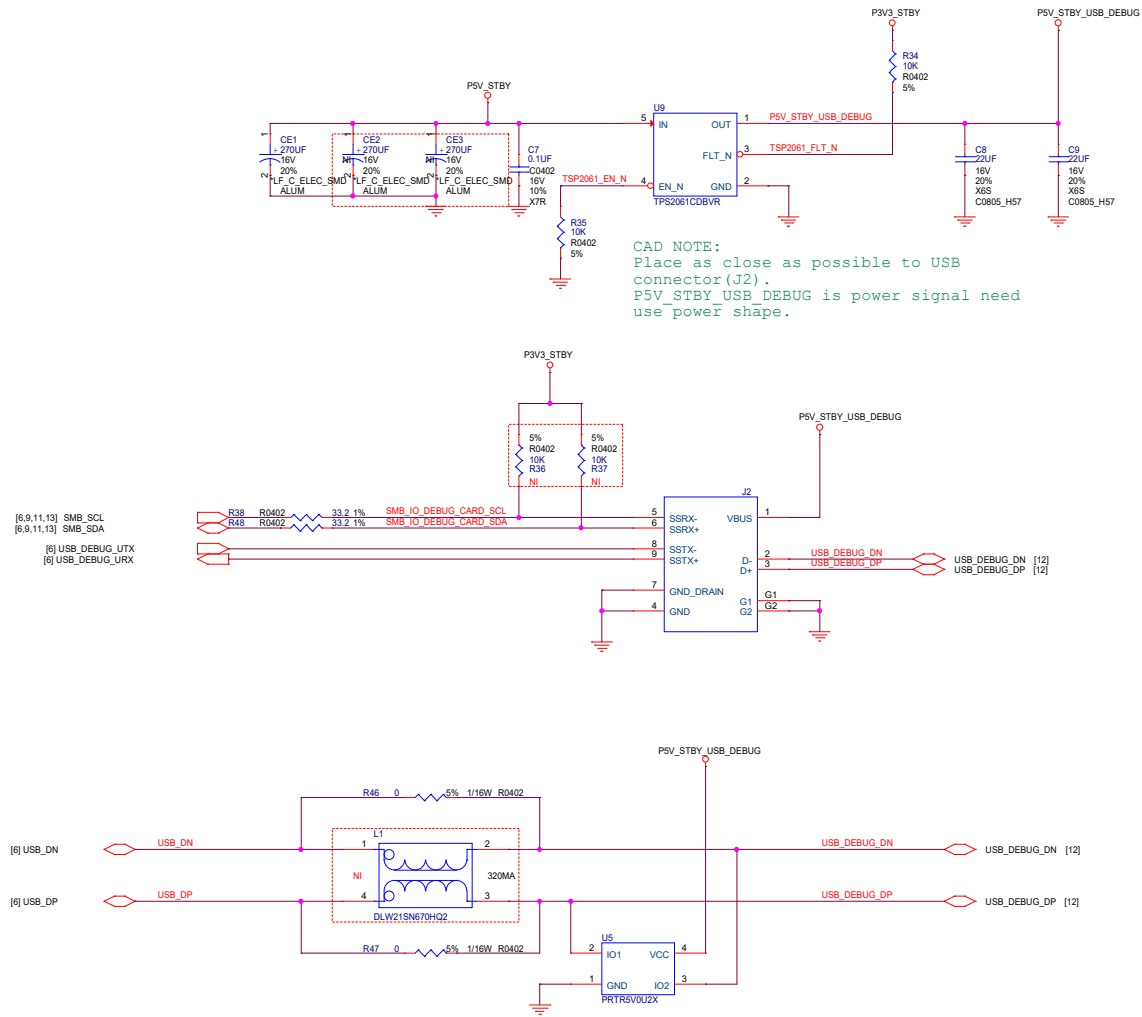
ADDE : 0XEE



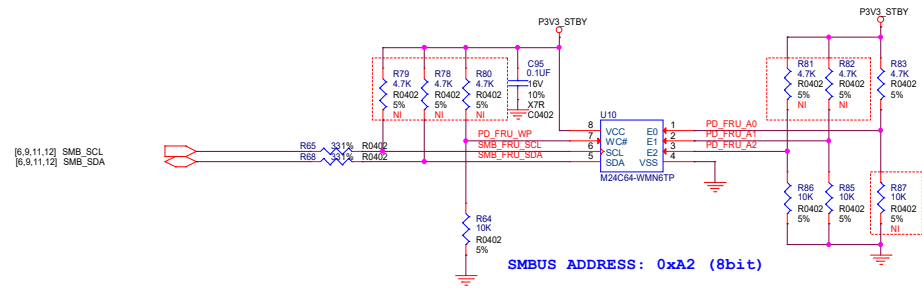
#### 4. Electrical / Optical Characteristics at TA=25°C

| Parameter                | Symbol | Min. | Typ. | Max. | Unit | Test Condition               |
|--------------------------|--------|------|------|------|------|------------------------------|
| Luminous Intensity       | IV     | 4.5  | -    | 29   | mcd  | IF = 10mA<br>Note 1, 5       |
| Viewing Angle            | 2θ1/2  |      | 40   |      | deg  | Note 2 (Fig.6)               |
| Peak Emission Wavelength | λP     |      | 468  |      | nm   | Measurement<br>@Peak (Fig.1) |
| Dominant Wavelength      | λd     | 464  | 470  | 477  | nm   | IF=10 mA, Note 4             |
| Spectral Line Half-Width | Δλ     |      | 20   |      | nm   |                              |
| Forward Voltage          | VF     |      | 3.1  | 3.8  | V    | IF = 10mA                    |
| Reverse Current          | IR     |      |      | 10   | μA   | VR = 5V, Note 6              |





FRU



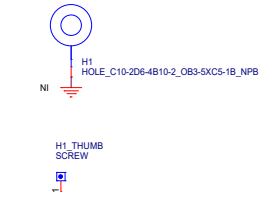
| M24C64 Address Setting |   |   |   |                     |    |    |
|------------------------|---|---|---|---------------------|----|----|
| 1                      | 0 | 1 | 0 | A2                  | A1 | A0 |
| Fixed                  |   |   |   | hardware selectable |    |    |

BLANK

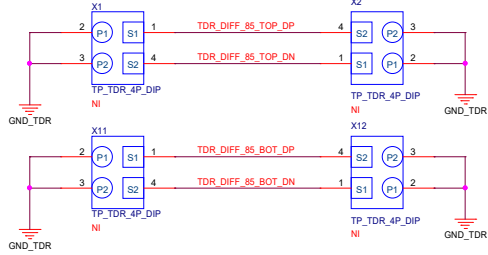
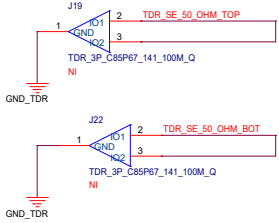


THUMB SCREW HOLE

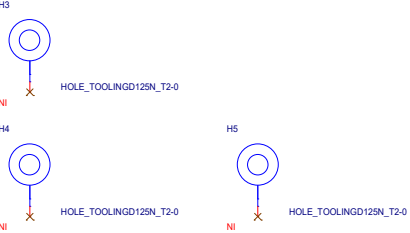
DETAIL B/E \*2



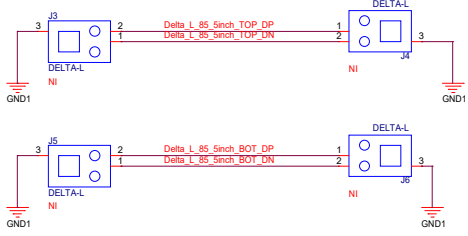
TDR



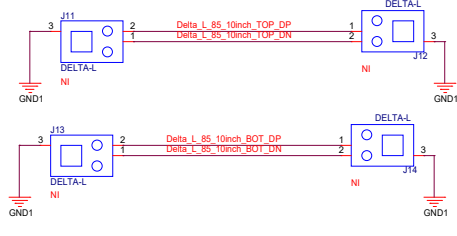
Tooling Holes



5 INCH



10 INCH



GOULD SCREW HOLE

