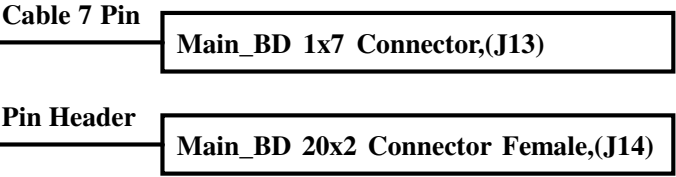
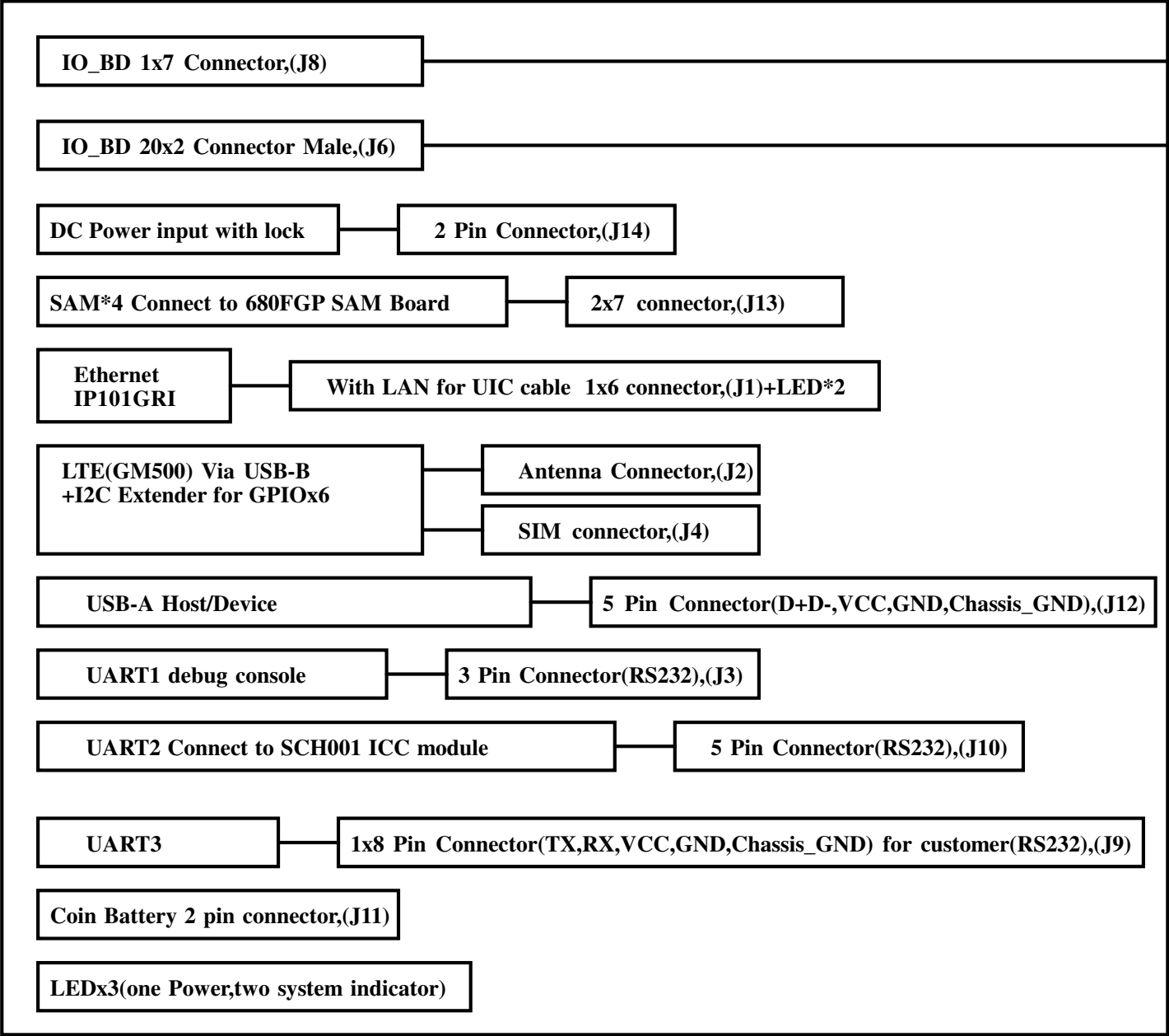


Schematic: UIC680EZ IO\_BD

| SHEET | SHEET NAME           |
|-------|----------------------|
| 01    | Title                |
| 02    | Block Diagram        |
| 03    | SAM_MSR_CONN         |
| 04    | Ethernet_IP101GRI    |
| 05    | EXT_5V,nut           |
| 06    | RS232,Con-Debug-1x3  |
| 07    | Con-2X20,BAT,LED     |
| 08    | USB-LTE,I2C-Extender |
| 09    | Main_BD-Con-1X7,1X8  |
| 10    | Power                |
| 11    | SCH001_1X5           |
| 12    | Revision History     |
|       |                      |

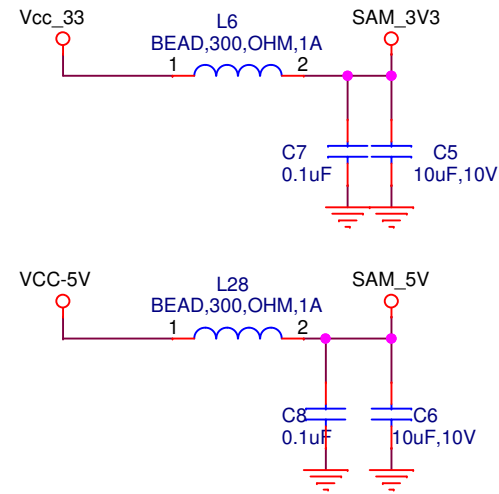
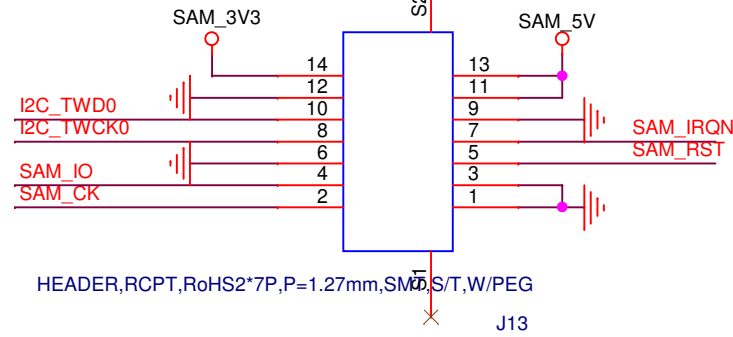
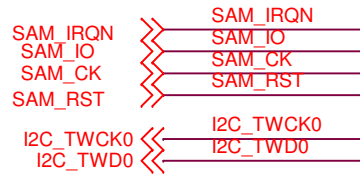
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|---------------------------------|-----------------|------------------------|------------|
| Design By Benson Chang          |                 | Approve By Kevin Chang |            |
| Date                            | 2024/01/11      | Date                   | 2024/01/11 |
| Title<br>01 Title               |                 |                        |            |
| Size                            | Document Number |                        | Rev<br>3.4 |
| UIC680EZ IO board(3161129000-R) |                 |                        |            |
| Uniform Industrial Corp.        |                 | Sheet 1 of 12          |            |
|                                 |                 |                        |            |

UIC680EZ IO\_BD

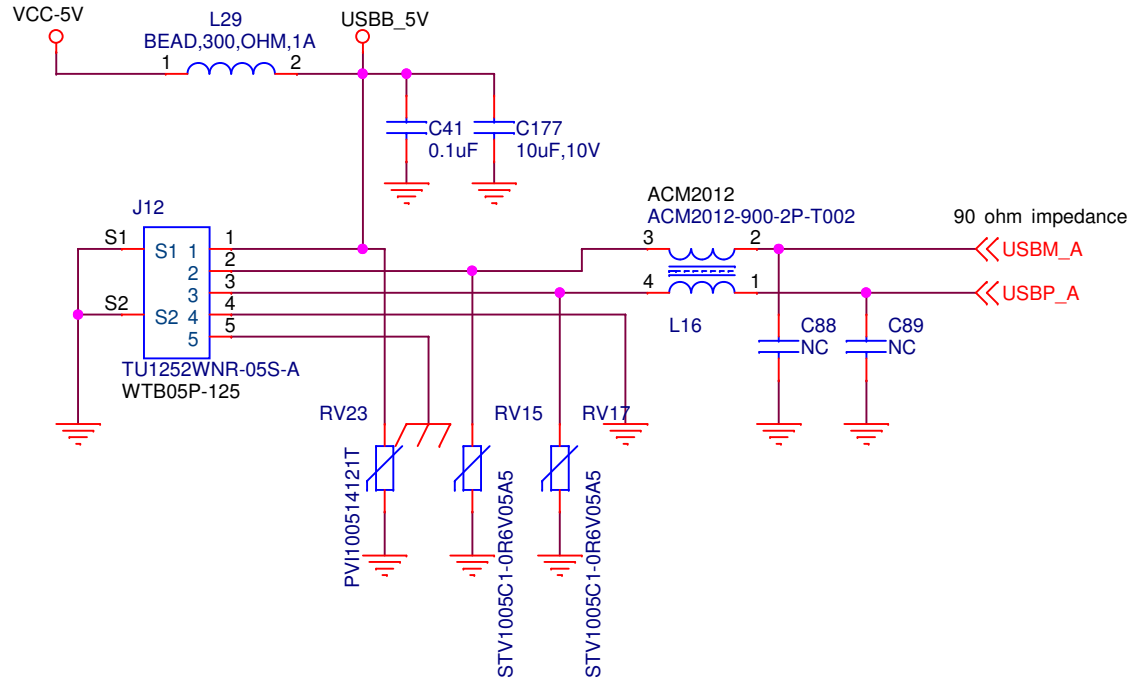


|                  |                                 |            |             |
|------------------|---------------------------------|------------|-------------|
| Design By        | Benson Chang                    | Approve By | Kevin Chang |
| Date             | 2024/01/11                      | Date       | 2024/01/11  |
| Title            |                                 |            |             |
| 02 Block Diagram |                                 |            |             |
| Size             | Document Number                 |            |             |
|                  | UIC680EZ IO board(3161129000-R) |            |             |
|                  | Uniform Industrial Corp.        |            |             |
|                  | Sheet                           | 2          | of 12       |
|                  |                                 |            | Rev 3.4     |

# For SAM Card connector



## For MCH200 (USB MSR)



|                          |                                 |            |             |
|--------------------------|---------------------------------|------------|-------------|
| Design By                | Benson Chang                    | Approve By | Kevin Chang |
| Date                     | 2024/01/11                      | Date       | 2024/01/11  |
| Title                    |                                 |            |             |
| 03 SAM_MSR_CONN          |                                 |            |             |
| Size                     | Document Number                 |            | Rev         |
|                          | UIC680EZ IO board(3161129000-R) |            | 3.4         |
| Uniform Industrial Corp. |                                 | Sheet      | 3 of 12     |

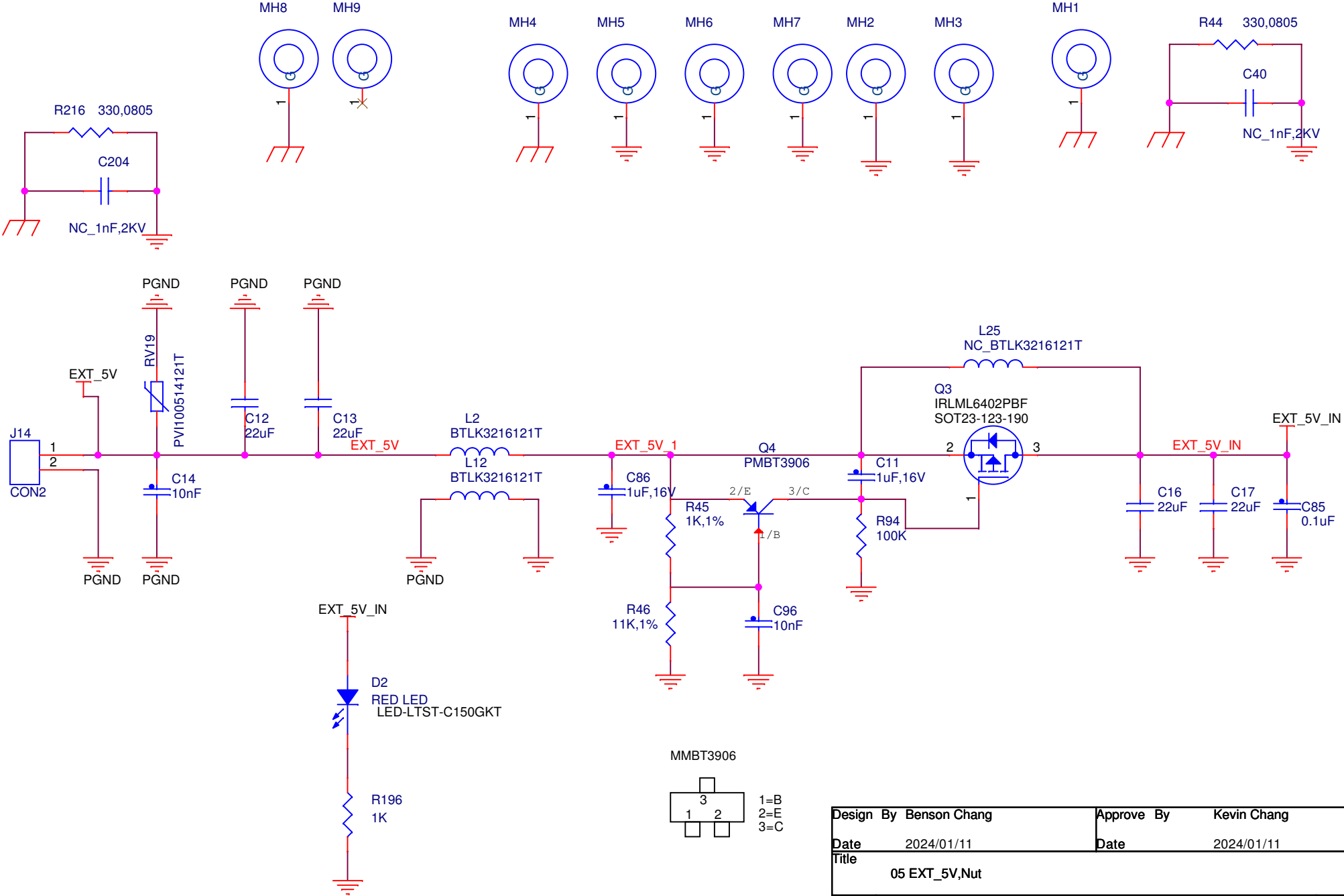


For LTE Power

For SAM\_BD

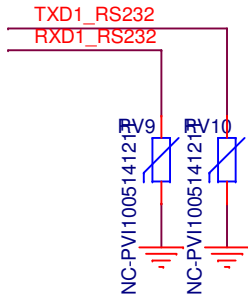
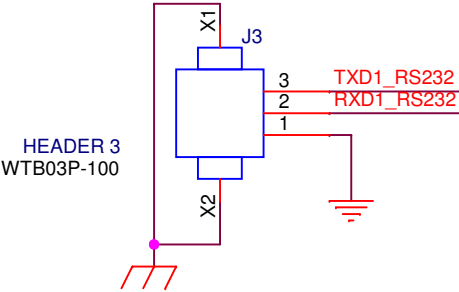
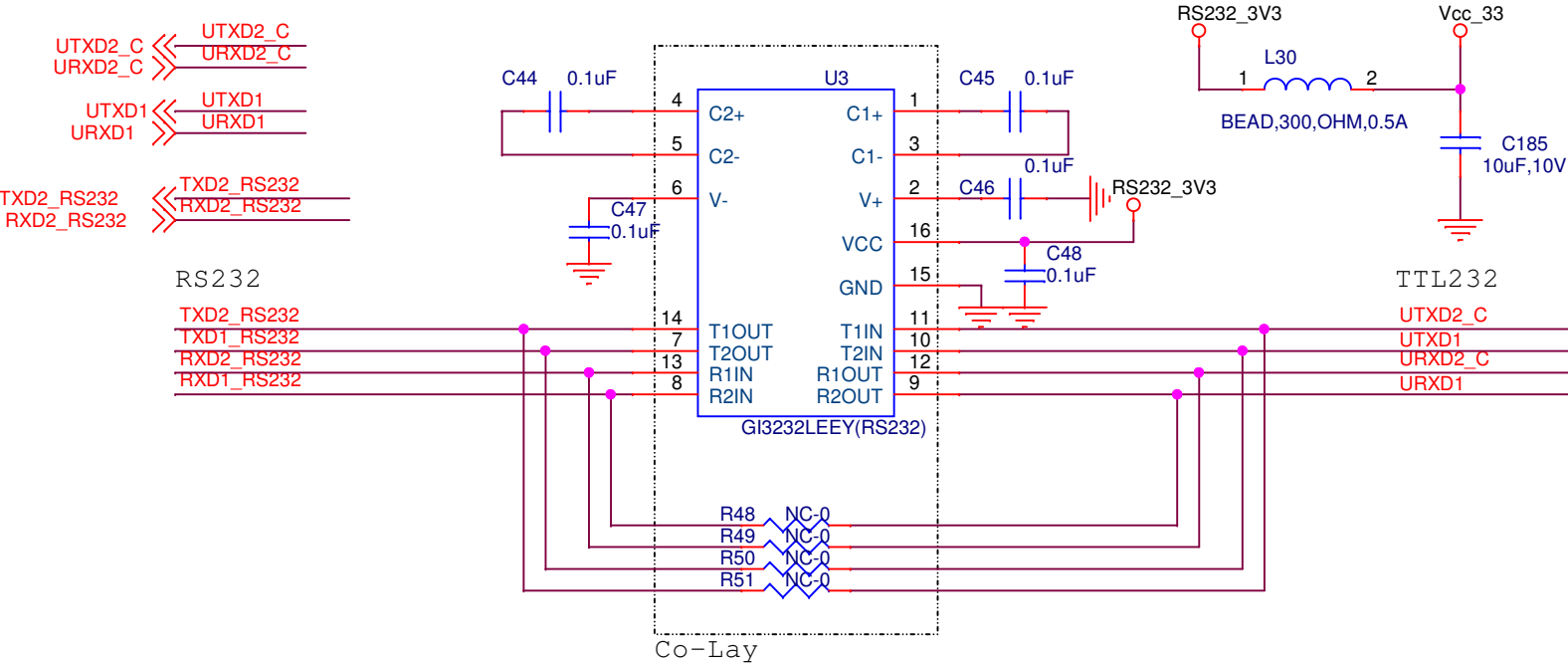
For Mechanical Fix position

For Main\_BD  
Fix position For ESD Issue



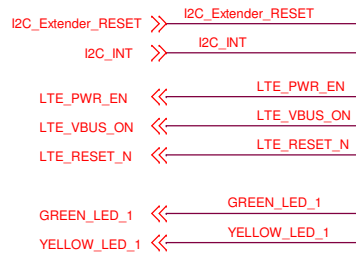
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| Design By     | Benson Chang                    | Approve By | Kevin Chang |
| Date          | 2024/01/11                      | Date       | 2024/01/11  |
| Title         |                                 |            |             |
| 05 EXT_5V,Nut |                                 |            |             |
| Size          | Document Number                 |            |             |
|               | UIC680EZ IO board(3161129000-R) |            |             |
|               | Uniform Industrial Corp.        |            |             |
|               | Sheet                           | 5          | of 12       |
|               | Rev                             | 3.4        |             |

For RS232 (UART1-Debug and UART2-SCH001)

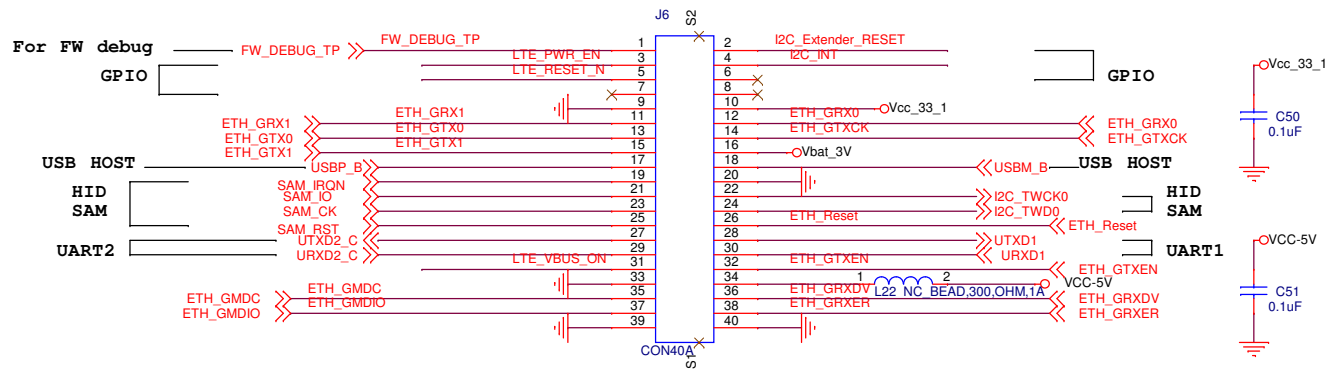
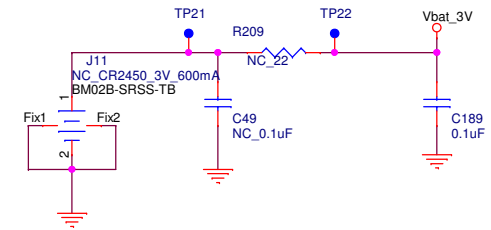
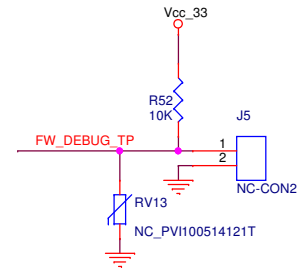


|                                 |                                                    |                        |            |
|---------------------------------|----------------------------------------------------|------------------------|------------|
| Design By Benson Chang          |                                                    | Approve By Kevin Chang |            |
| Date                            | 2024/01/11                                         | Date                   | 2024/01/11 |
| Title<br>06 RS232,Con-Debug-1x3 |                                                    |                        |            |
| Size                            | Document Number<br>UIC680EZ IO board(3161129000-R) |                        | Rev<br>3.4 |
| Uniform Industrial Corp.        |                                                    | Sheet 6 of 12          |            |

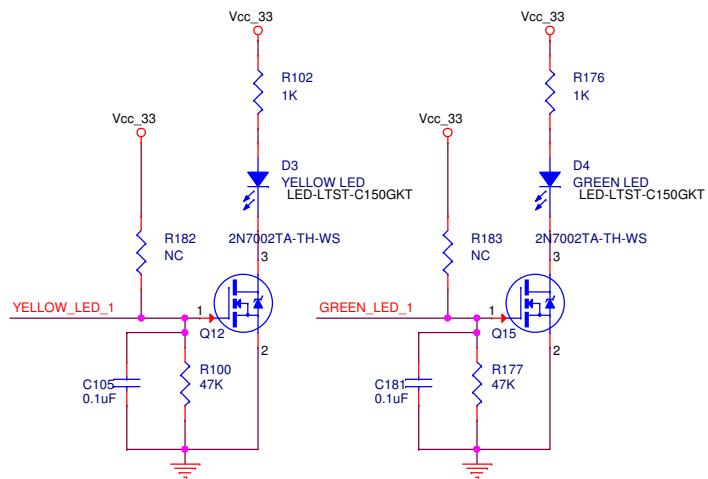
For Main\_BD 2x20 connector



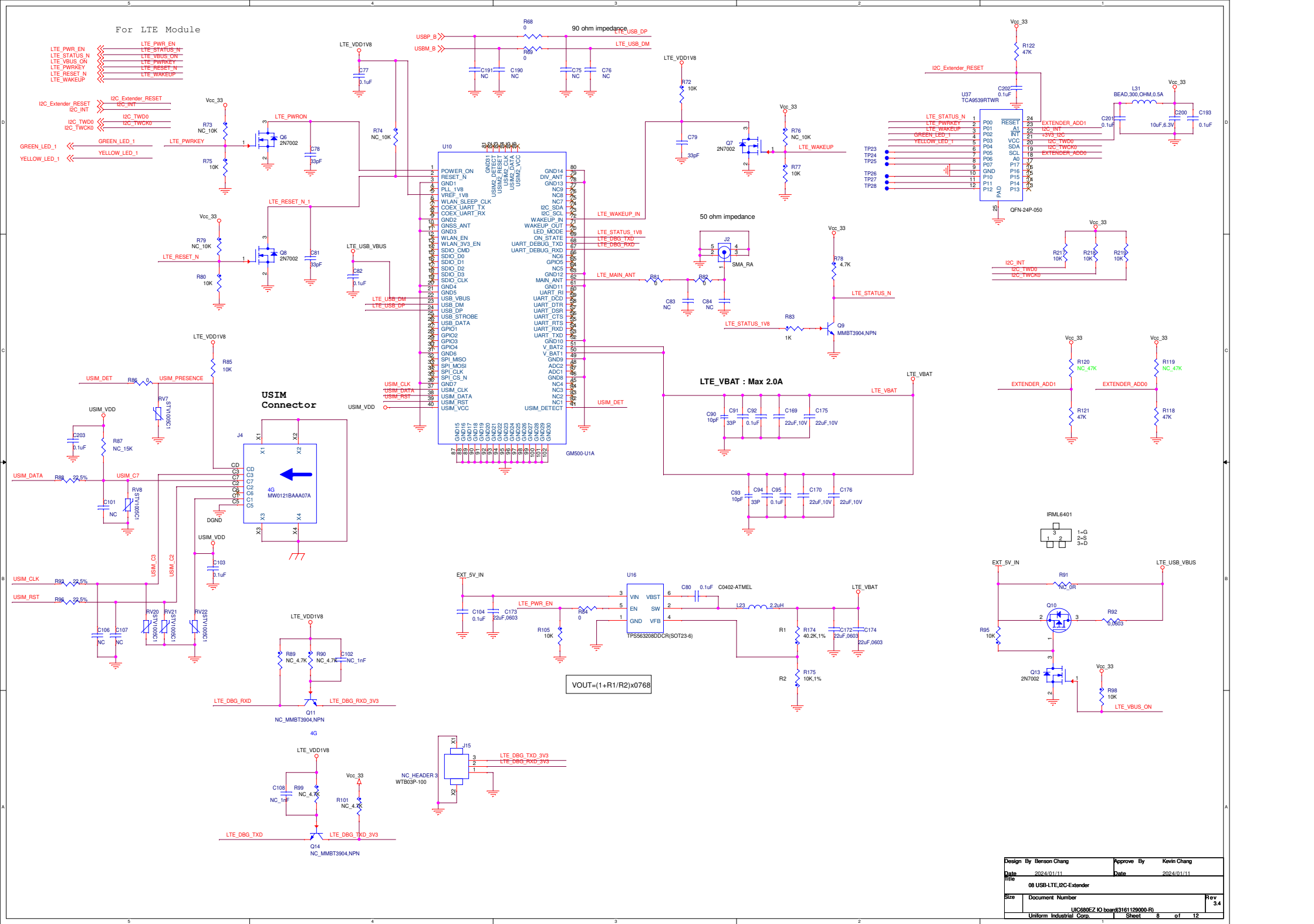
For FW debug



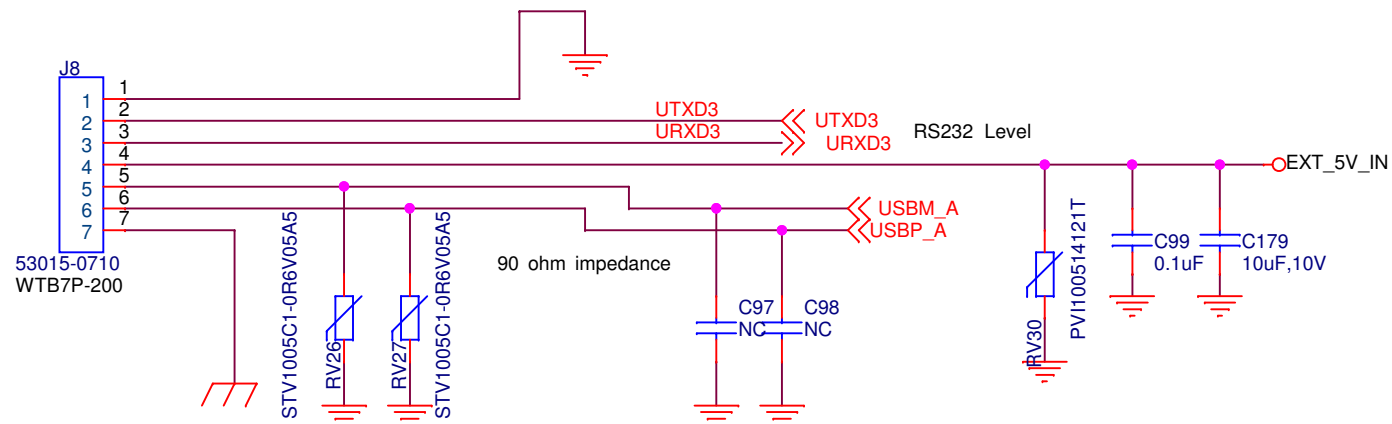
LED for System indicator



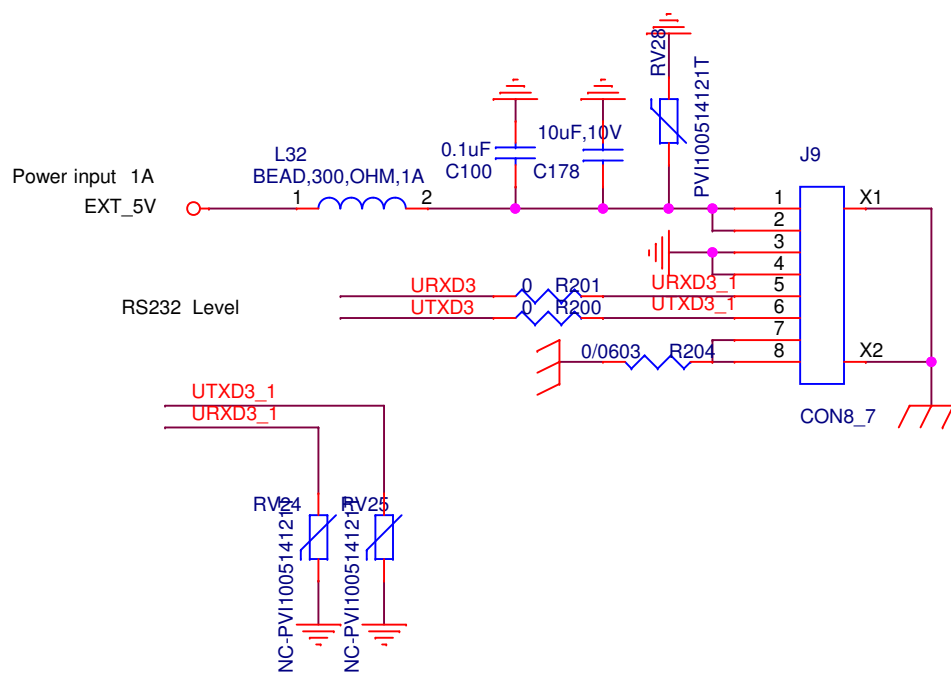
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| Design By                       | Benson Chang    | Approve By | Kevin Chang |
| Date                            | 2024/01/11      | Date       | 2024/01/11  |
| Title                           |                 |            |             |
| 07 Con-2X20,BAT,LED             |                 |            |             |
| Size                            | Document Number | Rev        |             |
| UIC680EZ IO board(3161129000-R) |                 | 3.4        |             |
| Uniform Industrial Corp.        |                 | Sheet      | 7 of 12     |



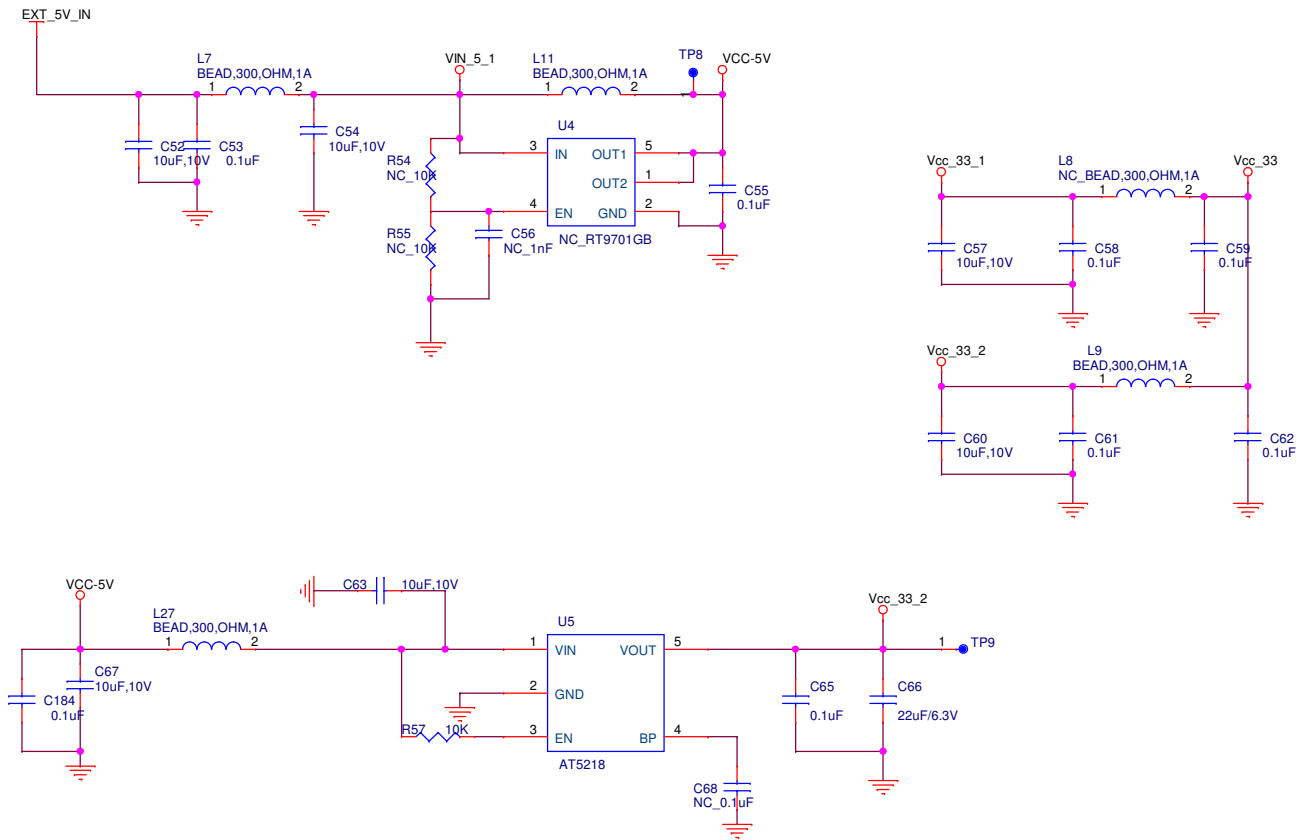
For Main\_BD 1x7 connector



For Customer UART 1x8 connector

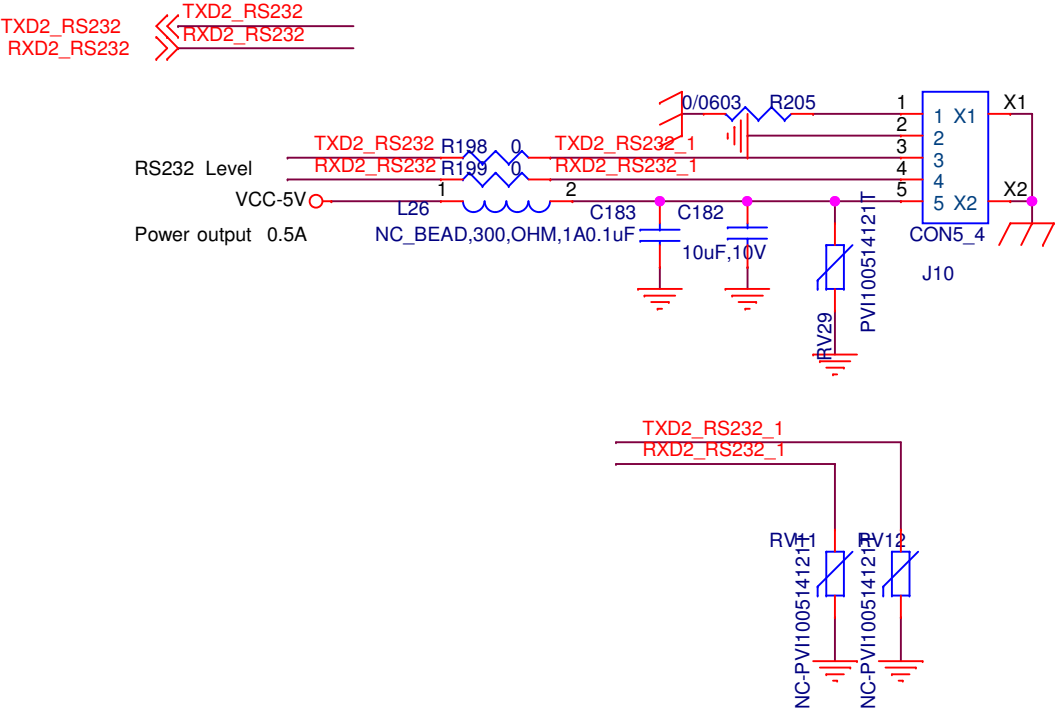


|                                 |                                                    |                        |            |
|---------------------------------|----------------------------------------------------|------------------------|------------|
| Design By Benson Chang          |                                                    | Approve By Kevin Chang |            |
| Date                            | 2024/01/11                                         | Date                   | 2024/01/11 |
| Title<br>09 Main_BD-Con-1X7,1X8 |                                                    |                        |            |
| Size                            | Document Number<br>UIC680EZ IO board(3161129000-R) |                        | Rev<br>3.4 |
| Uniform Industrial Corp.        |                                                    | Sheet 9 of 12          |            |



|                                 |                 |                        |            |
|---------------------------------|-----------------|------------------------|------------|
| Design By Benson Chang          |                 | Approve By Kevin Chang |            |
| Date                            | 2024/01/11      | Date                   | 2024/01/11 |
| Title 10 Power                  |                 |                        |            |
| Size                            | Document Number |                        | Rev 3.4    |
| UIC680EZ IO board(3161129000-R) |                 |                        |            |
| Uniform Industrial Corp.        |                 | Sheet 10               | of 12      |

For SCH001 ICC MODULE



|                          |                                                    |                        |            |
|--------------------------|----------------------------------------------------|------------------------|------------|
| Design By Benson Chang   |                                                    | Approve By Kevin Chang |            |
| Date                     | 2024/01/11                                         | Date                   | 2024/01/11 |
| Title<br>11 SCH001_1X5   |                                                    |                        |            |
| Size                     | Document Number<br>UIC680EZ IO board(3161129000-R) |                        | Rev<br>3.4 |
| Uniform Industrial Corp. |                                                    | Sheet 11 of 12         |            |

Revision History :

| Rev. | Description                                                               | Editor                       | Date       |
|------|---------------------------------------------------------------------------|------------------------------|------------|
| 1    | New Design                                                                | Kevin Chang,<br>Benson Chang | 2021/10/8  |
| 2    | Add LTE function                                                          | Kevin Chang,<br>Benson Chang | 2022/10/12 |
| 3    | Add I2C Pull-High Resistor                                                | Kevin Chang,<br>Benson Chang | 2023/02/21 |
| 3.1  | Change R46 from 9.1k Ohm to 11K Ohm                                       | Kevin Chang,<br>Benson Chang | 2023/06/06 |
| 3.2  | Update block diagram                                                      | Kevin Chang,<br>Benson Chang | 2023/09/13 |
| 3.3  | Change RV15,RV17,RV26,RV27 from PDFB050150-SOD923-H to STV1005C1-0R6V05A5 | Kevin Chang,<br>Benson Chang | 2023/09/13 |
| 3.4  | Change UIC680FGP to YUC680EZ                                              | Kevin Chang,<br>Benson Chang | 2024/01/11 |

|                                 |                 |                        |            |
|---------------------------------|-----------------|------------------------|------------|
| Design By Benson Chang          |                 | Approve By Kevin Chang |            |
| Date                            | 2024/01/11      | Date                   | 2024/01/11 |
| Title 12 Revision History       |                 |                        |            |
| Size                            | Document Number |                        |            |
| UIC680EZ IO board(3161129000-R) |                 |                        |            |
| Uniform Industrial Corp.        |                 | Sheet                  | 12 of 12   |
|                                 |                 |                        |            |