

| REV | BY  | DATE     | ECN No. | DESCRIPTION                                  | APPD |
|-----|-----|----------|---------|----------------------------------------------|------|
| 1   | DLW | 06/19/19 | 21038   | ENGINEERING RELEASE                          | PM   |
| 2   | DLW | 1/28/21  | 21696   | UPDATED PER TESTING RESULTS                  | PM   |
| 3   | DLW | 4/19/21  | 21844   | REPLACE ETHERNET CHIP DUE TO SOURCING ISSUES | PM   |

### Labeling Conventions

cl : Current Limited

B : Buffered

Used by STM System Boot Loader

U100-102 -- USB\_OTG\_FS\_ID

U100-103 -- USB\_OTG\_FS\_DM

U100-104 -- USB\_OTG\_FS\_DP

### DO NOT POPULATE

### UNUSED I/O PINS

| MTO Model Mapping |         |                  |
|-------------------|---------|------------------|
| R372              | R371    | Ref_Des          |
| HW_ID_0           | HW_ID_1 | Function         |
| 0                 | 0       | Standard MTO     |
| 0                 | 1       | 50A MTO Hardware |
| 1                 | 0       | Future Hardware  |
| 1                 | 1       | Future Hardware  |

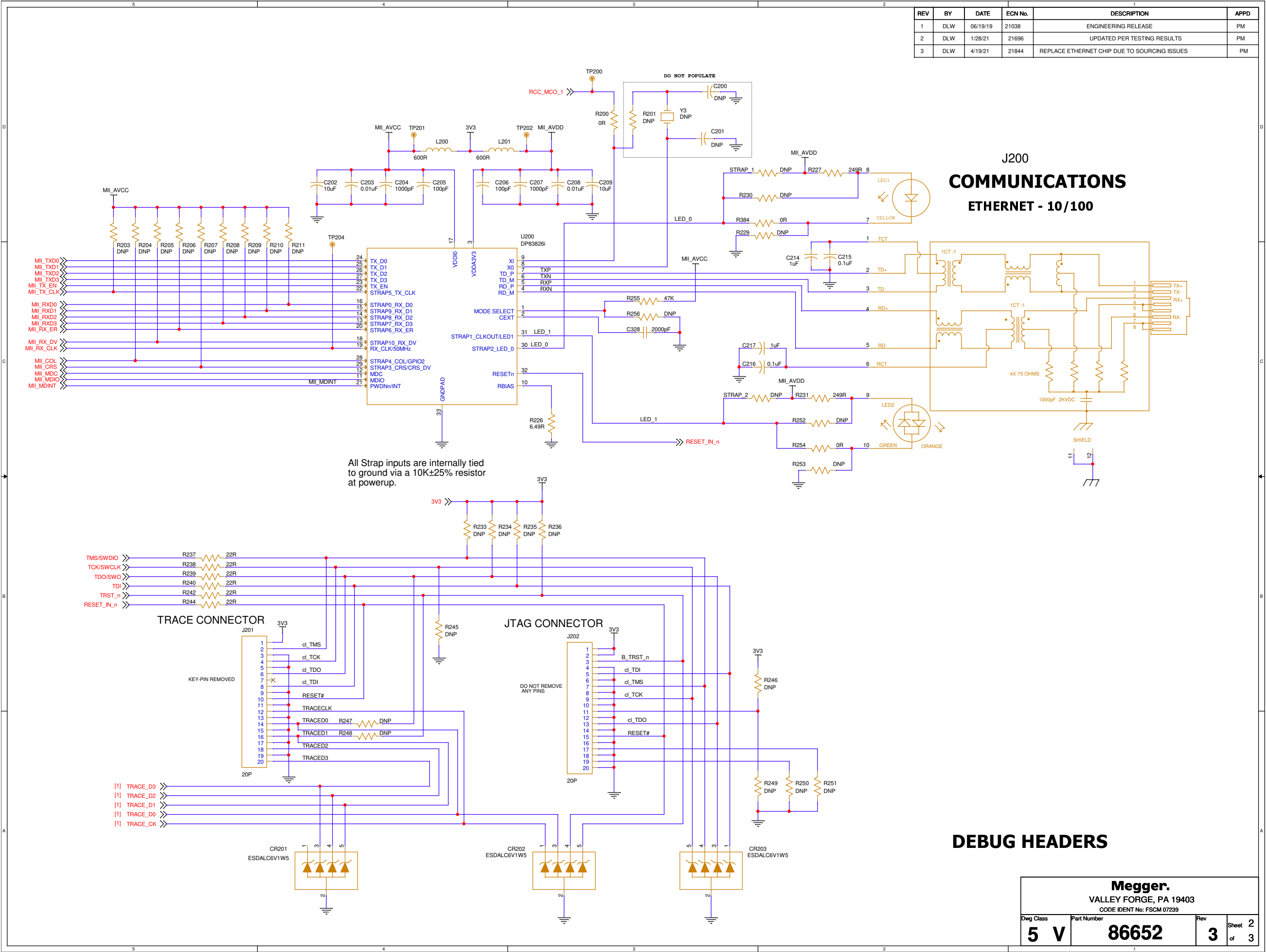
Both lines pulled low with 47K on this board

| DRM Mapping Hardware ID |         |         |                                      |
|-------------------------|---------|---------|--------------------------------------|
| R370                    | R369    | R368    | Ref_Des                              |
| HW_ID_2                 | HW_ID_3 | HW_ID_4 | Function                             |
| DNP                     | DNP     | DNP     | No DRM Hardware Installed            |
| DNP                     | DNP     | 10K     | DRM Hardware Installed, DRM Enabled  |
| DNP                     | 10K     | DNP     | DRM Hardware Installed, DRM Disabled |
| DNP                     | 10K     | 10K     | Future Function                      |
| 10K                     | DNP     | DNP     | Future Function                      |
| 10K                     | DNP     | 10K     | Future Function                      |
| 10K                     | 10K     | DNP     | Future Function                      |
| 10K                     | 10K     | 10K     | Future Function                      |

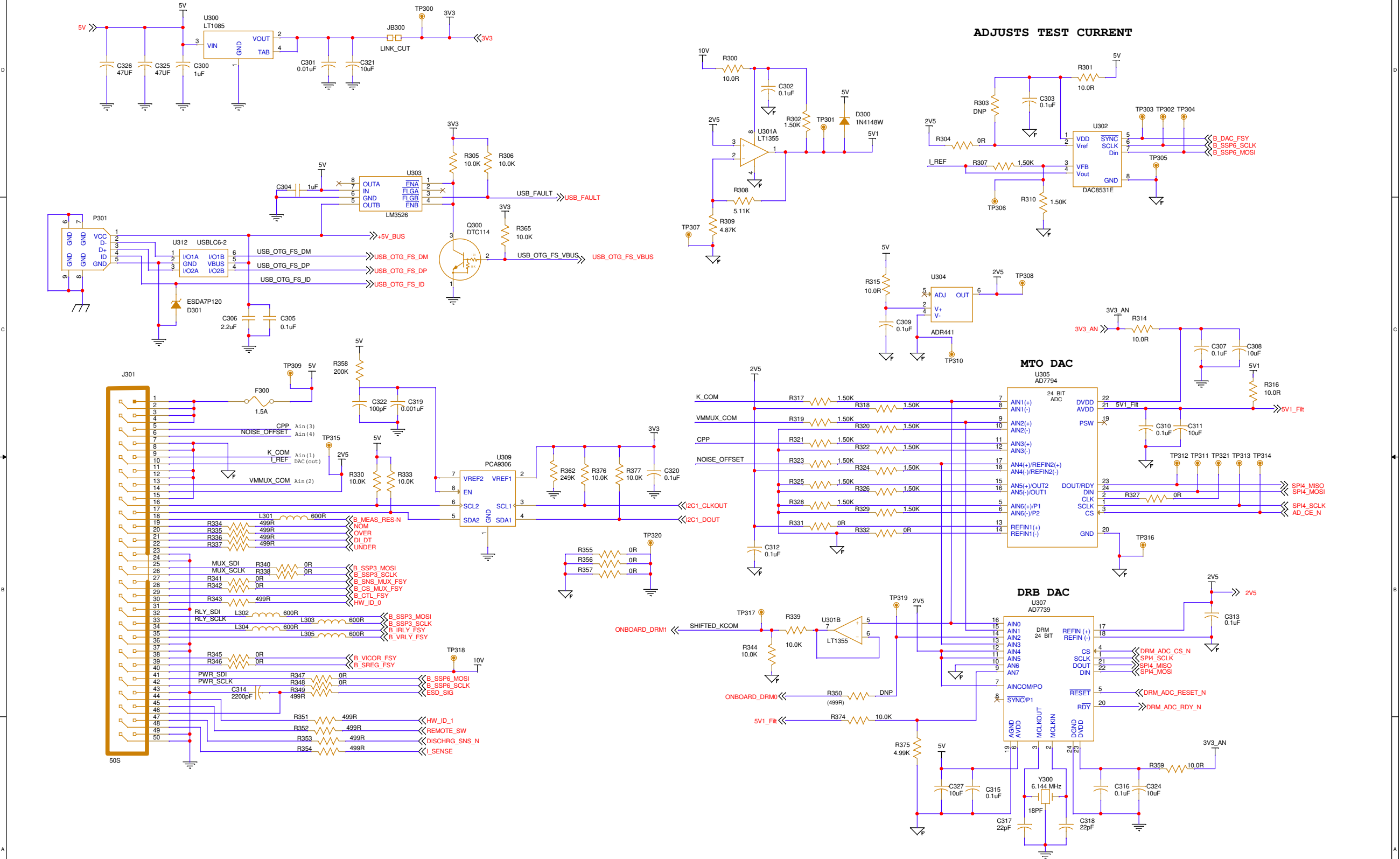
- FIRMWARE PROCEDURE 80417
- FIRMWARE-ETHERNET BOOT LOADER 80590
- FIRMWARE PROCEDURE STM32F743 87190
- FIRMWARE-ETHERNET BOOT LOADER STM32H743 87191

|                                                                       |             |             |              |         |  |
|-----------------------------------------------------------------------|-------------|-------------|--------------|---------|--|
| <b>Megger.</b><br>VALLEY FORGE, PA 19403<br>CODE IDENT No: FSCM 07239 |             |             |              |         |  |
| <b>10/100 ETHERNET BOARD</b><br><b>STM32H743</b>                      |             |             |              |         |  |
| Next Assy                                                             |             | Catalog No. |              |         |  |
| 1012-363                                                              |             | MTO SERIES  |              |         |  |
| Rel Class                                                             | Drawn By    | Eng Appd    | Mfg Eng Appd | QA Appd |  |
|                                                                       | DLW         | PM          | -            | -       |  |
| Date                                                                  | Part Number | Rev         | Sheet        |         |  |
|                                                                       | 86652       | 3           | 1 of 3       |         |  |

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ANALOG & POWER

|                           |             |     |        |
|---------------------------|-------------|-----|--------|
| Megger.                   |             |     |        |
| VALLEY FORGE, PA 19403    |             |     |        |
| CODE IDENT No: FSCM 07239 |             |     |        |
| Dwg Class                 | Part Number | Rev | Sheet  |
| 5 V                       | 86652       | 3   | 3 of 3 |