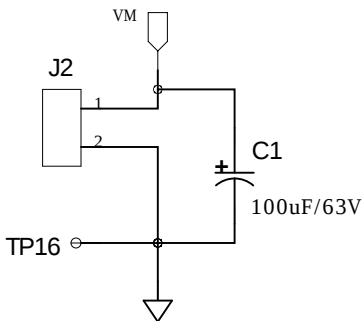
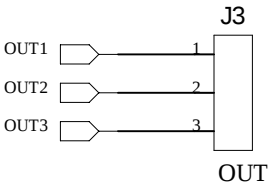


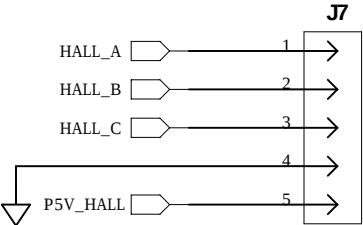
Input Connector



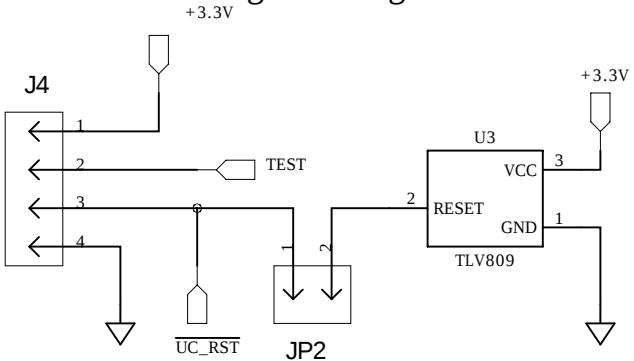
Motor Terminals Connector



Hall-Effect Sensor Connector

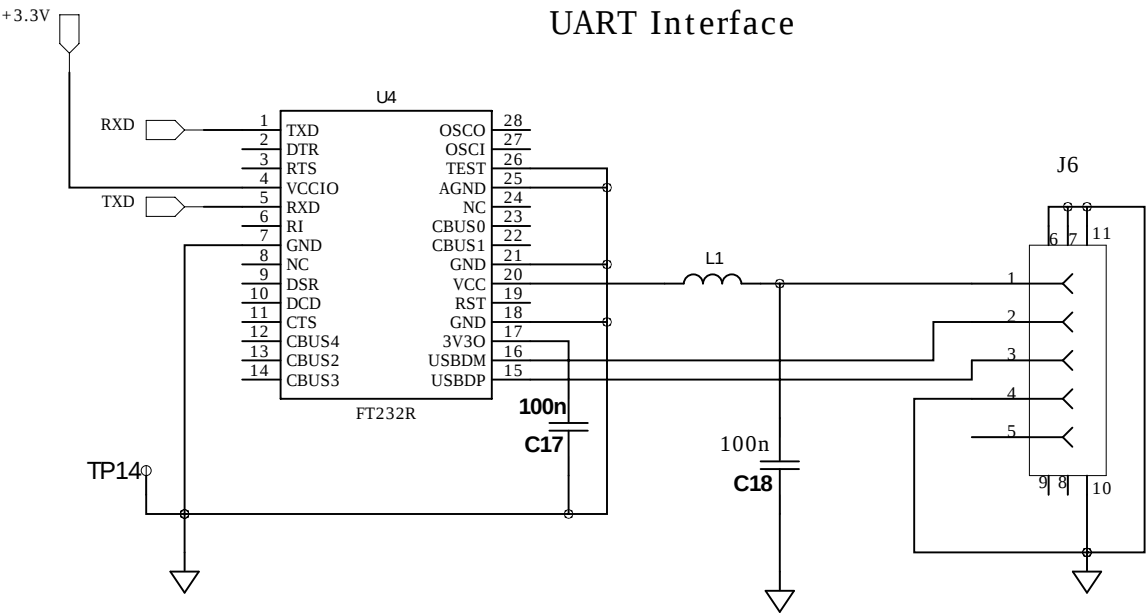


SPI-BY-WIRE Programming Connector

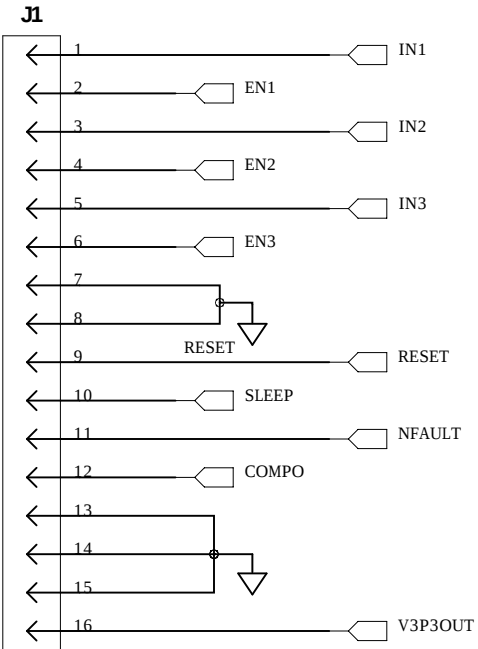


Close:normal operating condition  
Open: only for programming MCU U5

UART Interface

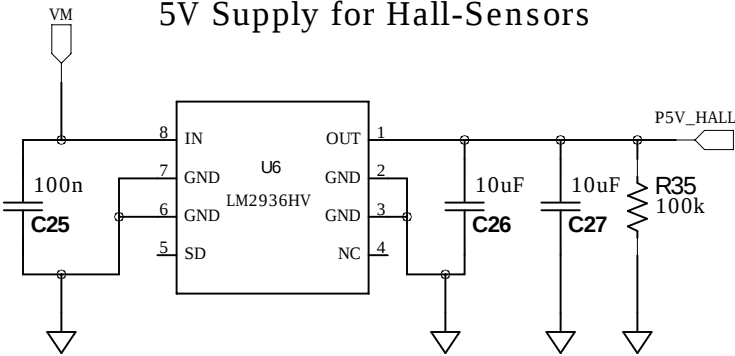


DRV8313 Signal Interface Connector

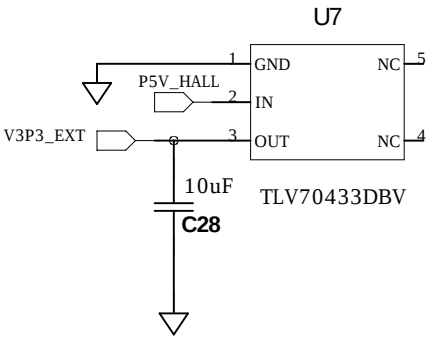


J1 can be used to inetrface DRV8313  
from external Micro-Controller

5V Supply for Hall-Sensors



3.3V Power Supply

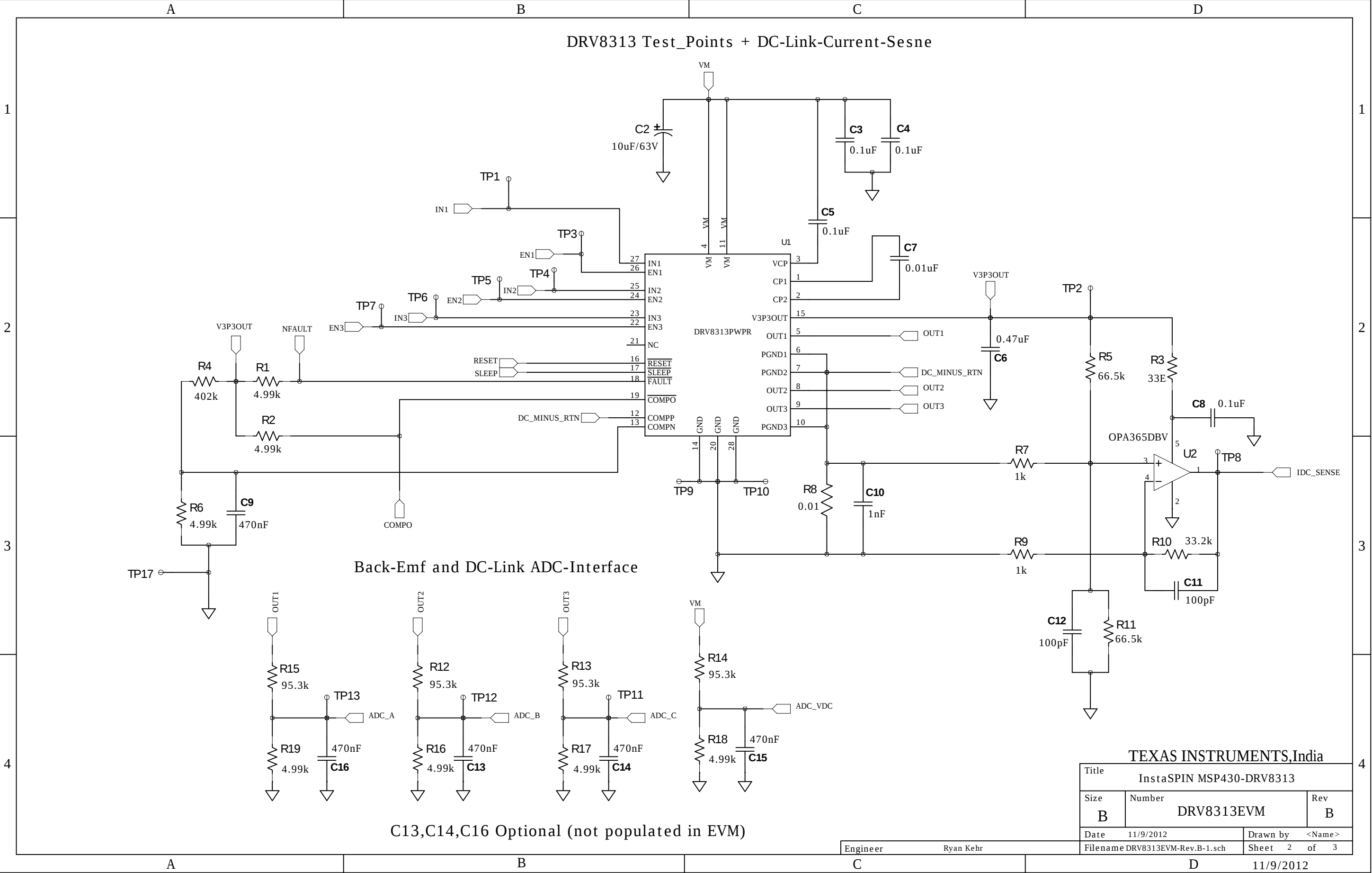


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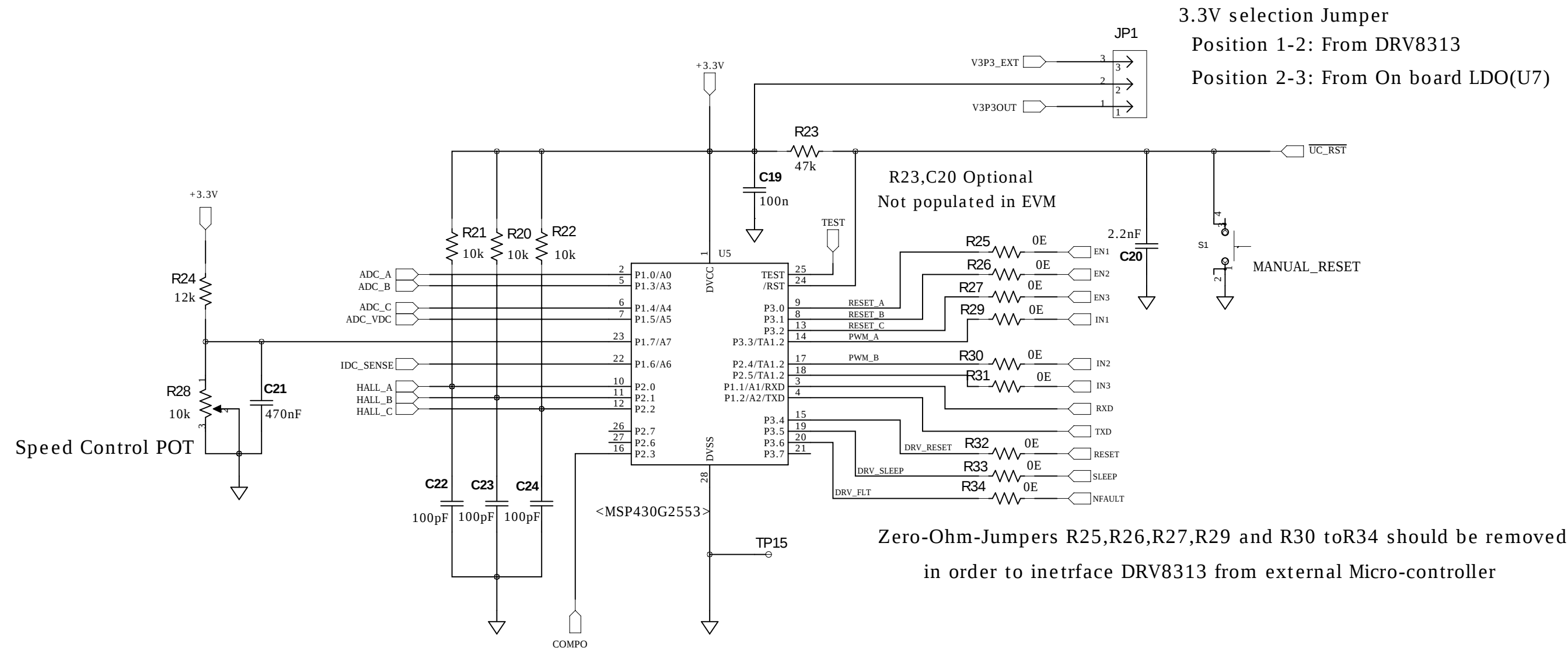
|                          |                        |                 |
|--------------------------|------------------------|-----------------|
| Title                    |                        |                 |
| InstaSPIN MSP430-DRV8313 |                        |                 |
| Size                     | Number                 | Rev             |
| B                        | DRV8313EVM             | B               |
| Date                     | 11/9/2012              | Drawn by <Name> |
| Filename                 | DRV8313EVM-Rev.B-1.sch | Sheet 1 of 3    |

Engineer Ryan Kehr

11/9/2012



## MPS430G2553 Interconnection



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|                                 |            |          |        |
|---------------------------------|------------|----------|--------|
| Title                           |            |          |        |
| InstaSPIN MSP430-DRV8313        |            |          |        |
| Size                            | Number     |          | Rev    |
| B                               | DRV8313EVM |          | B      |
| Date                            | 11/9/2012  | Drawn by | <Name> |
| Filename DRV8313EVM-Rev.B-1.sch |            | Sheet 3  | of 3   |