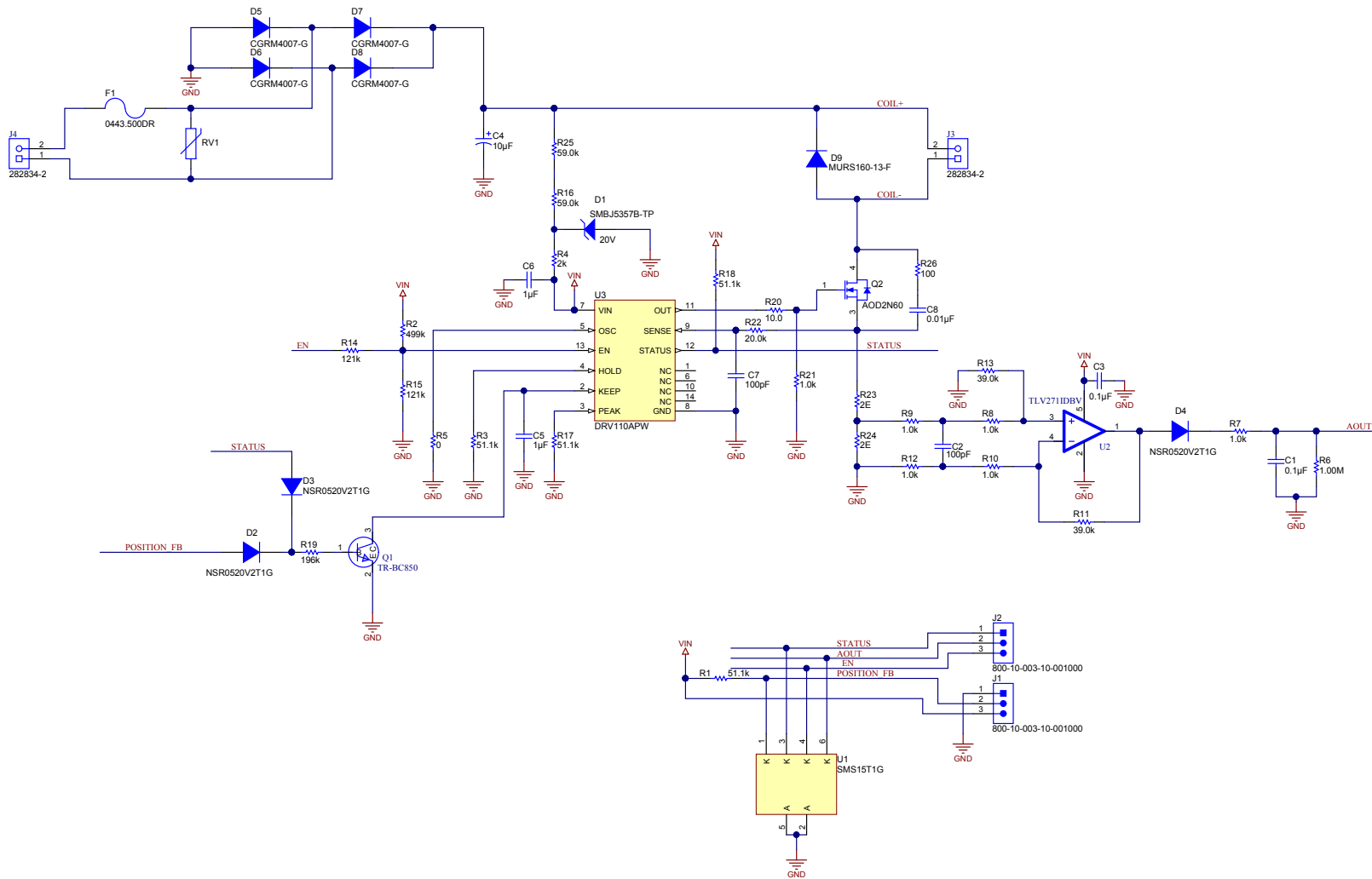


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| | | | |
|---------------------------------|--|---|---|
| Number: TIDA-00284 | Rev: E1 | Designed for: Public Release | Mod. Date: 8/12/2014 |
| SVN Rev: Not in version control | Assembly Variant: [No Variations] | Project Title: Current Controlled Solenoid Driver | Sheet Title: |
| Drawn By: Sanjay Pithadia | File: Pg1-Cover_SchDoc | Sheet: 1 of 3 | Size: B |
| Engineer: Sanjay Pithadia | Contact: http://www.ti.com/support | | http://www.ti.com |



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|---------------------------------|--|---|
| Number: TIDA-00284 | Rev: E1 | Sheet Title: Main |
| SVN Rev: Not in version control | Assembly Variant: [No Variations] | Sheet 2 of 3 |
| Drawn By: Sanjay Pithadia | File: Pg2-Main.SchDoc | Size: B |
| Engineer: Sanjay Pithadia | Contact: http://www.ti.com/support | http://www.ti.com |

Bill of Materials

<Parameter Title not found>

Source Data From: TIDA-00284.PrjPCB
 Project: TIDA-00284.PrjPCB
 Variant: None

Creation Date: 10/8/2014 12:18:51 PM
 Print Date: 41920 41920.51312

| Footprint | Comment | LibRef | Designator | Description | Quantity |
|------------------------------|-----------------------|-------------------------------|---------------------------|---|----------|
| | Printed Circuit Board | PCB | IPCB | Printed Circuit Board | 1 |
| 0603 | GRM188R71E1 04KA01D | GRM188R71E1 04KA01D | C1, C3 | CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0603 | 2 |
| 0603 | 06035A101JAT2 A | 06035A101JAT2 A | C2, C7 | CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603 | 2 |
| CAPPRD500 W60D1000H 2000 | UVC2G100MPD | UCS2G100MPD 1TD | C4 | CAP ALUM 10UF 400V 20% RADIAL | 1 |
| 0603 | C0603C105K8P | C0603C105K8P | C5 | CAP, CERM, 1uF, 10V, +/-10%, XSR, 0603 | 1 |
| 0603 | ACTU GMK107BJ105K A-T | ACTU GMK107BJ105K A-T | C6 | CAP, CERM, 1uF, 35V, +/-10%, XSR, 0603 | 1 |
| 0805_HV | 08051C103KAT 2A | 08051C103KAT 2A | C8 | CAP, CERM, 0.01uF, 100V, +/-10%, X7R, 0805 | 1 |
| SMB SOD-523 | SMBJ5357B-TP | SMBJ5357B-TP | D1 | Diode, Zener, 20 V, 5 W, SMB | 1 |
| | NSR0520V2T1G | SBR0220T5-7 | D2, D3, D4 | DIODE SCHOTTKY 20V 0.5A SOD523 | 3 |
| MINI-SMA | CGRM4007-G | CGRM4007-G | D5, D6, D7, D8 | Diode, P-N, 1000V, 1A, 3.9x1.7x1.8mm | 4 |
| SMB | MURS160-13-F | MURS160-13-F | D9 | Diode, Ultrafast, 600V, 1A, SMB | 1 |
| FUSE_0443 | 0443.500DR | 0443.500DR | F1 | Fuse, 0.5A, 250V, SMD | 1 |
| Mil-Max_800 10-003-10-001000 | 800-10-003-10-001000 | 800-10-003-10-001000 | J1, J2 | Header, 100mil, 3x1, TH | 2 |
| TEC_282834-2 | 282834-2 | 282834-2 | J3, J4 | Terminal Block, 2x1, 2.54mm, TH | 2 |
| SOT-23 | TR-BC850 | TR-BC850 | Q1 | Transistor, N-Chan GP, 45V, 100mA | 1 |
| DPAK | AOD2N60 | AOD2N60 | Q2 | MOSFET, N-CH, 600V, 2A, DPAK | 1 |
| 0603 | CRCW060351K 1FKEA | CRCW060351K 1FKEA | R1, R3, R17, R18 | RES, 51.1 k, 1%, 0.1 W, 0603 | 4 |
| 0603 | CRCW0603499 KFKEA | CRCW0603499 KFKEA | R2 | RES, 499 k, 1%, 0.1 W, 0603 | 1 |
| 1210M | MCR25JZF200 1 | ERJ14NF4990U | R4 | RES 2K OHM 1/4W 1% 1210 SMD | 1 |
| 0603 | CRCW06030000 Z0EA | CRCW06030000 Z0EA | R5 | RES, 0, 5%, 0.1 W, 0603 | 1 |
| 0603 | CRCW06031M0 0FKEA | CRCW06031M0 0FKEA | R6 | RES, 1.00 M, 1%, 0.1 W, 0603 | 1 |
| 0603 | CRCW06031K0 0JNEA | CRCW06031K0 0JNEA | R7, R8, R9, R10, R12, R21 | RES, 1.0k ohm, 5%, 0.1W, 0603 | 6 |
| 0603 | RC0603FR-0739KL | RC0603FR-0739KL | R11, R13 | RES, 39.0 k, 1%, 0.1 W, 0603 | 2 |
| 0603 | CRCW0603121 KFKEA | CRCW0603121 KFKEA | R14, R15 | RES, 121 k, 1%, 0.1 W, 0603 | 2 |
| 2512 | CRCW251259K 0FKEG | CRCW251259K 0FKEG | R16, R25 | RES, 59.0k ohm, 1%, 1W, 2512 | 2 |
| 0603 | CRCW0603196 KFKEA | CRCW0603196 KFKEA | R19 | RES, 196 k, 1%, 0.1 W, 0603 | 1 |
| 0603 | CRCW060310R 0FKEA | CRCW060310R 0FKEA | R20 | RES, 10.0, 1%, 0.1 W, 0603 | 1 |
| 0603 | CRCW060320K 0FKEA | CRCW060320K 0FKEA | R22 | RES, 20.0 k, 1%, 0.1 W, 0603 | 1 |
| 1210M | CRCW12102R0 0FKEA | MCR25JZHFLR20, MCR25JZHFLR200 | R23, R24 | RES 2.00 OHM 1/2W 1% 1210 SMD | 2 |
| 0805_HV | RT0805BRD071 00RL | RT0805BRD071 00RL | R26 | RES, 100 ohm, 0.1%, 0.125W, 0805 | 1 |
| VAR_S07K3 00E2 | B72207S2301K 101 | B72207S2301K 101 | RV1 | Varistor, 300V, 1.75kA, 7MM Radial, TH | 1 |
| DBV0006A_N | SMS15T1G | SMS12T1G | U1 | TVS DIODE 15VWM 29VC SC746 | 1 |
| DBV-5 | TLV271IDBV | TLV271IDBV | U2 | IC, 500 uA single Chan, R-R Output Op-Amp | 1 |
| PW0014A_N | DRV110APW | DRV110APW | U3 | POWER SAVING SOLENOID CONTROLLER WITH INTEGRATED SUPPLY REGULATION, PW0014A | 1 |

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| Approved | Notes |
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