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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
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PCB Number: TIDA-00284
PCB Rev: E1

PCB
LOGO
Texas Instruments

Label Table	
Variant	Label Text
001	ChangeMe!
002	ChangeMe!

ZZ1
Label Assembly Note
This Assembly Note is for PCB labels only

ZZ2
Assembly Note
These assemblies are ESD sensitive, ESD precautions shall be observed.

ZZ3
Assembly Note
These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

ZZ4
Assembly Note
These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

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<div> <div>Bill of Materials</div> <div><Parameter Title not found></div> </div>					
<div> <div>Source Data From:</div> <div>TIDA-00284.PrjPCB</div> </div>					
<div> <div>Project:</div> <div>TIDA-00284.PrjPCB</div> </div>					
<div> <div>Variant:</div> <div>None</div> </div>					
<div> <div>Creation Date:</div> <div>10/8/201412:18:51 PM</div> </div>					
<div> <div>Print Date:</div> <div>4192041920.51312</div> </div>					
Footprint	Comment	LibRef	Designator	Description	Quantity
	Printed Circuit Board	PCB	IPCB	Printed Circuit Board	1
0603	GRM188R71E104KA01D	GRM188R71E104KA01D	C1, C3	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0603	2
0603	06035A101JAT2A	06035A101JAT2A	C2, C7	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	2
CAPPRD500W60D1000H2000	UVC2G100MPD	UCS2G100MPD1TD	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	08051C103KAT2A	08051C103KAT2A	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_80010-003-10-001000	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	CRCW060351K1FKEA	CRCW060351K1FKEA	R1, R3, R17, R18	RES, 51.1 k, 1%, 0.1 W, 0603	4
0603	CRCW0603499KFKEA	CRCW0603499KFKEA	R2	RES, 499 k, 1%, 0.1 W, 0603	1
1210M	MCR25JZF2001	ERJ14NF4990U	R4	RES 2K OHM 1/4W 1% 1210 SMD	1
0603	CRCW06030000Z0EA	CRCW06030000Z0EA	R5	RES, 0, 5%, 0.1 W, 0603	1
0603	CRCW06031M00FKEA	CRCW06031M00FKEA	R6	RES, 1.00 M, 1%, 0.1 W, 0603	1
0603	CRCW06031K00JNEA	CRCW06031K00JNEA	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	CRCW0603121KFKEA	CRCW0603121KFKEA	R14, R15	RES, 121 k, 1%, 0.1 W, 0603	2
2512	CRCW251259K0FKEG	CRCW251259K0FKEG	R16, R25	RES, 59.0k ohm, 1%, 1W, 2512	2
0603	CRCW0603196KFKEA	CRCW0603196KFKEA	R19	RES, 196 k, 1%, 0.1 W, 0603	1
0603	CRCW060310R0FKEA	CRCW060310R0FKEA	R20	RES, 10.0, 1%, 0.1 W, 0603	1
0603	CRCW060320K0FKEA	CRCW060320K0FKEA	R22	RES, 20.0 k, 1%, 0.1 W, 0603	1
1210M	CRCW12102R00FKEA	MCR25JZHFLR20, MCR25JZHFLR200	R23, R24	RES 2.00 OHM 1/2W 1% 1210 SMD	2
0805_HV	RT0805BRD07100RL	RT0805BRD07100RL	R26	RES, 100 ohm, 0.1%, 0.125W, 0805	1
VAR_S07K300E2	B72207S2301K101	B72207S2301K101	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
<div> <div>Approved</div> <div>Notes</div> </div>					55