

9 P3.0/TA0.2
8 P3.1/TA1.0
13 P3.2/TA1.1
14 P3.3/TA1.2
15 P3.4/TA0.0
19 P3.5/TA0.1
20 P3.6/TA0.2
21 P3.7/TA1CLK/CAOUT SBWTDIO SBWTDIO 24
SBWTCK 25
RST/NMI/SBWTDIO
TEST/SBWTCK DVCC DVSS Ę GND C19 1uF MSP430G2553IPW28 **PROGRAM INTERFACE MSP430 POWER-3.3 REG** Main Contr. Orderable: N/A Designed for:Public Release
TID #: 00735 Project Title:Propeller Controller
Number: TIDA-00735 Rev: E1
Number: TIDA-00735 Nev: E1
Number: TID TEXAS INSTRUMENTS

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**INVERTER** C3 CAP 470uF 470 uF **DRV8303** Q3 CSD17573Q5B GH C R10 C14 BST A SH\_C GH\_A 0.1uF PWM\_AH 13 INH\_A Q5 CSD17573Q5B PWM\_AL\_14 | INL\_A R13 SL\_A C15 0.1uF PWM\_BH 15 NH\_B GH\_B 38 GH B PWM\_BL 16 NL\_B Net-Tie PWM\_CH 17 NH\_C SL\_B 

35 SL\_B PWM\_CL 18 INL\_C A ISENSE P GH\_C 33 GH\_C VDD\_SPI C18\_ 1000pF GL\_C 31 GL C NT5 A ISENSE N IA\_FB 21 IR FR 22  $\underline{D}\underline{V}\underline{D}\underline{D}$ AVDD 19 DVDD C21 DRV8303DCA C22 GND GND 1uF GND C5 \_ C7 C17 1000pF 1000pF 1000pF 1000pF **BACK EMF DETECTION** Orderable: NIA Designed for Public Release TID #: 00735 Project Title Propeller Controller Number: TIDA-00735 Rev. E1 Sheet Title: 00735 Rev. E1 Sheet Title TEXAS INSTRUMENTS http://www.ti.com

PCB Number: TIDA-00735 PCB LOGO PCB LOGO PCB Rev: Rev A Texas Instruments Pb-Free Symbol Label Table Label Text 001 ChangeMe! 002 ChangeMe! 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. Orderable: N/A Designed for Public Release TID #: 00735 Project Title: Propeller Controller Number: TIDA-00735 Rev. E1 Sheet Title: Title: Propeller Controller Number: TIDA-00735 Rev. E1 Sheet Title: Propeller Controller Number: TIDA-00735 Rev. E3 Sheet Title: Propeller Controller Number: TIDA-00735 Rev. E3 Sheet Title: Propeller Controller Number: TIDA-00735 Rev. E3 Sheet Title: Title: Propeller Controller Number: TIDA-00735 Rev. E3 Sheet Title: Title: TiDA-00735 Rev. E3 Sheet Title: TiDA-00735 Rev. E3 S TEXAS INSTRUMENTS Sheet:3 of 3 Size: B http://www.ti.com © Texas Instruments 2015 5

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