Sheet: /Motor Drivers/
File: drivers.kicad_sch
Title:
Size: A4   Date:
KiCad E.D.A. 9.0.3
Rev:
Id: 2/2

U3 — DRV8313PWP

Pin	Signal		Signal	Pin
			VCP	3
16	RESET		V3P3	15
17	SLEEP		VM	4
			CPL	1
			CPH	2
26	EN1		OUT1	5
24	EN2		OUT2	8
22	EN3		OUT3	9
27	IN1		FAULT	18
25	IN2			
23	IN3		COMPO	19
13	COMPN			
12	COMPP		EXP	29
21	NC			
	PGND1	6		
	PGND2	7		
	PGND3	10		
	GND	14		

NSLEEP / NSLEEP
TIM1_0 / TIM1_1 / TIM1_2

C5 0.1µF GND 14.8V
100µF C3

OUT01 OUT1
OUT02 OUT2
OUT03 OUT3

GND

U6 — DRV8313PWP

NSLEEP / NSLEEP
TIM3_0 / TIM3_1 / TIM3_2

C6 0.1µF GND 14.8V
100µF C8

OUT11 OUT1
OUT12 OUT2
OUT13 OUT3

GND

U5 — DRV8313PWP

NSLEEP / NSLEEP
TIM2_0 / TIM2_1 / TIM2_2

C9 0.1µF GND 14.8V
100µF C11

OUT21 OUT1
OUT22 OUT2
OUT23 OUT3

GND