

Figure 22. 1x PWM—Simple Controller

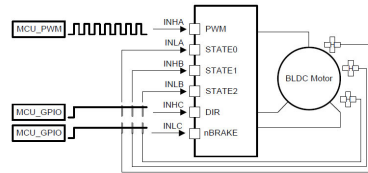


Figure 23. 1x PWM—Hall Sensor

Device Information⁽¹⁾

PART NUMBER	PACKAGE	BODY SIZE (NOM)
DRV8350	WQFN (32)	5.00 mm × 5.00 mm
DRV8350R	VQFN (48)	7.00 mm × 7.00 mm
DRV8353	WQFN (40)	6.00 mm × 6.00 mm
DRV8353R	VQFN (48)	7.00 mm × 7.00 mm

(1) For all available packages, see the orderable addendum at the end of the data sheet.

Simplified Schematic

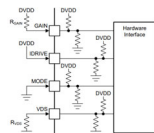
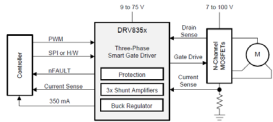


Figure 28. Hardware Interface

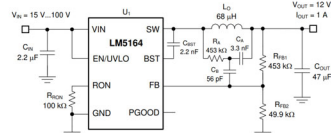
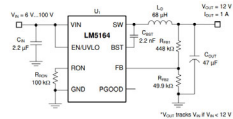


Figure 7-1. Typical Application V_{DD}(nom) = 48 V, V_{OUT} = 12 V, I_{OUT(max)} = 1 A, F_{SW}(nom) = 300 kHz



Typical Application

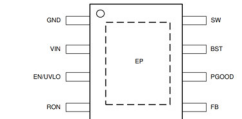


Figure 4-1. DDA Package 8-Pin SO PowerPAD™ Top View

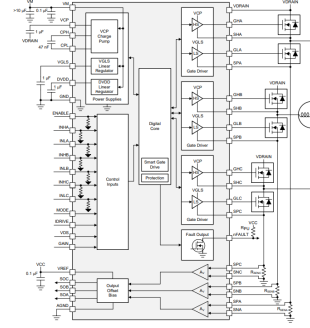
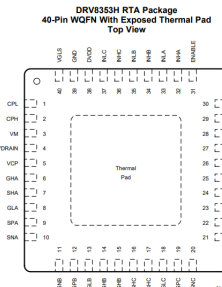


Figure 18. Block Diagram for DRV8353H

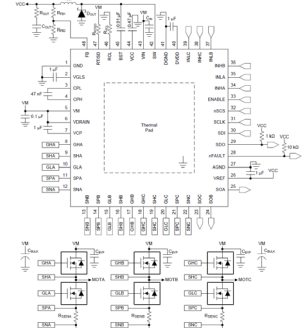
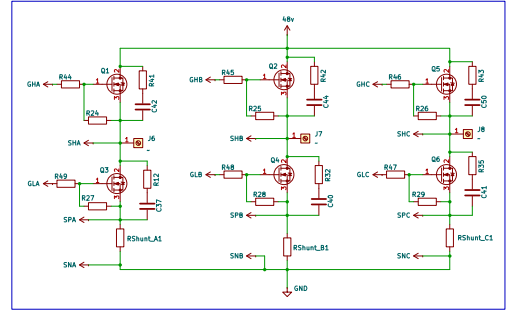
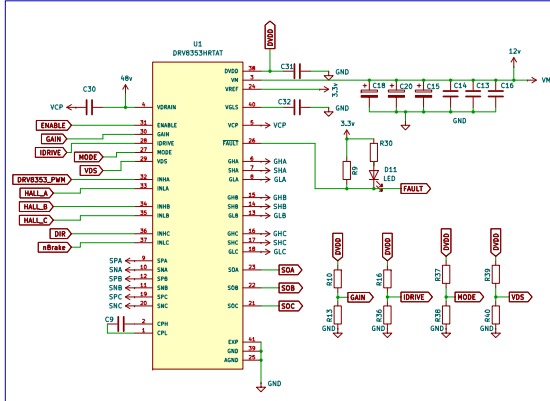
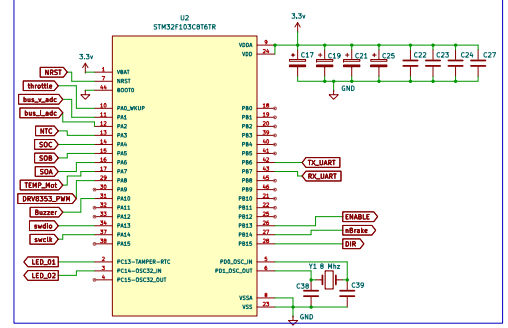
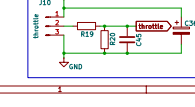
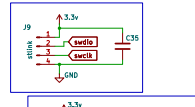
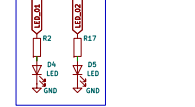
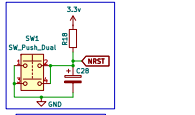
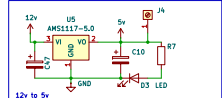
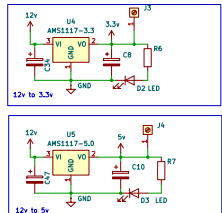
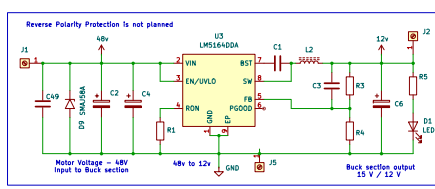
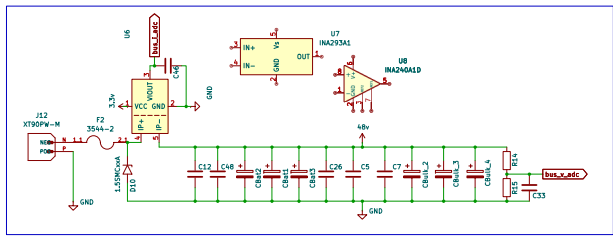
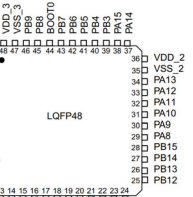
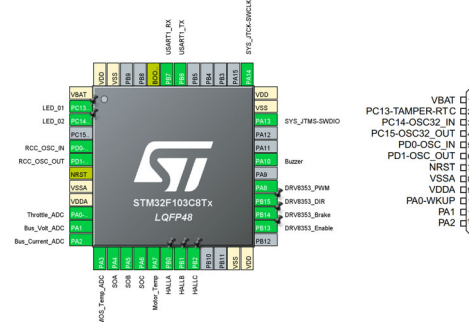


Figure 63. Primary Application Schematic



- H3 MountingHole
- H2 MountingHole
- H1 MountingHole
- H6 MountingHole
- H5 MountingHole
- H4 MountingHole

Designed by Pavan Borra

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Title: STM32 + DRV8353 based Motor Drive
Size: A2
Date:
Kicad E.D.A. 9.0.6

Rev:
10: 1/1