



Current source.  
Regulates the  
current to the  
gate drivers.

Gitch protect.  
Inhibits high side gate  
if low side gate on.

Shoot through protector.  
Grounds both gate  
drivers in the event  
of a high current spike.

Gate voltage limiter.  
Allows a range of  
negative supplies and  
Stable operation  
on low charge.

TITLE: BLDC Controller (U Phase only)  
This version has:  
Directly connected IGBT gate drivers.  
Shoot through release protection.  
Universal software gitch safe driver logic.  
Gate voltage limiters for high voltage operation.  
Current source regulators for stable gate drive.  
AUTHOR: Graham North  
NOTES: ps2pdf -sPAPERSIZE=a3