Ir2101 three-phase bridge inverter

I found a 500W inverter implementation with an Arduino Nano and IR2101. According to its schematic, I think the input connections of both IR2101 are wrong. If it is ...

Q& A for electronics and electrical engineering professionals, students, and enthusiasts

0 I am building a half-bridge with IR2101 as half bridge driver and I am being confused by something in the datasheet of IR2101. My main supply voltage will be 40V. The ...

Please explain how the bootstrapping circuit help in driving both the mosfets connected to IR2101 driver.Please explain this by taking an example of any voltage so that I ...

I'm trying to make a controller with 3 H bridges (N-FET, IR2101 and a Arduino Mega). I'm sure that the problem is in my code but I don't know how to fix it. I think that the ...

I am trying to make BLDC driver with IR2101. MOSFETs I am using are IRFB4110PBF. So for testing I am currently using one pair. I am using oscilloscope to see the ...

Do I need to provide galvanic isolation (optocouplers or digital isolators) between the Arduino and the IR2101 inputs? No this isn''t needed unless you have some specific ...

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