

Tesla Model 3 Drive Unit (Front and Rear) Logic Board V1 Pinout

- 1- Ground
- 2- 5 Volt supply from inverter
- 3- 3v3 supply (Unused)
- 4- Ground (spare)
- 5- Forward direction signal
- 6- Reverse direction signal
- 7- Start signal
- 8- Brake light switch input
- 9- Accelerator signal (0-5v)
- 10- HV bus voltage signal (0-3v3)
- 11- Brake pressure transducer or second accelerator signal (0-5v)
- 12- Heatsink temp sensor
- 13- Stator Temp
- 14- Resolver Sine input
- 15- Resolver Exciter Drive output
- 16- Current Sensor A input
- 17- Resolver Cosine input
- 18- Current Sensor C Input
- 19- Phase A Driver /SD signal
- 20- Phase A PWM Low
- 21- Phase B Driver /SD signal
- 22- Phase A PWM High
- 23- Phase C Driver /SD signal
- 24- Phase B PWM Low
- 25- CAN Receive
- 26- Phase B PWM High
- 27- Not Used
- 28- Phase C PWM Low
- 29- LIN Receive
- 30- Phase C PWM High
- 31- LIN Transmit
- 32- Gate Driver PSU Enable
- 33- CAN Transmit
- 34- TI MCU Reset

