

# FG ECU PINOUT

## REAR VIEW (HARNESS SIDE)

| CONNECTOR A |  | CONNECTOR B |  |
|-------------|--|-------------|--|
| Pin         | Function   | Pin         | Function                                   |
| A01         | -  | B01         | Battery Negative                           |
| A02         | Park/Neutral Switch Input                        | B02         | A/C Control Ouput                          |
| A03         | Injector 6 Output                                | B03         | Dual Intake Runner Output (NON Turbo Only) |
| A04         | Injector 4 Output                                | B04         | Clutch Switch Input (M/T Only)             |
| A05         | Cam Control - Intake Solenoid                    | B05         | Starter Motor Relay Output                 |
| A06         | Cam Control - Exhaust Solenoid                   | B06         | -  |
| A07         | Injector 2 Output                                | B07         | -  |
| A08         | Injector 5 Output                                | B08         | 5V DC Sensor Supply                        |
| A09         | Narrowband Heater 2 Output (Post-Cat)            | B09         | 12V Ignition Switch                        |
| A10         | -  | B10         | Battery Negative                           |
| A11         | -  | B11         | Battery Negative                           |
| A12         | Ignition 3 Output                                | B12         | Battery Negative                           |
| A13         | Oil Temperature Sensor Input (Turbo Models Only) | B13         | CAN High                                   |
| A14         | Injector 1 Output                                | B14         | CAN Low                                    |
| A15         | Injector 3 Output                                | B15         | Air Con Pressure Input                     |
| A16         | DBW TPS (Throttle Position Sensor) 2 Input       | B16         | Cruise Control Input                       |
| A17         | Narrowband Sensor 1 Input (Pre-Cat)              | B17         | DBW APP 1 Input                            |
| A18         | -  | B18         | DBW APP 2 Input                            |
| A19         | Narrowband Heater 1 Output (Pre-Cat)             | B19         | Boost Control Output (Turbo Models Only)   |
| A20         | -  | B20         | 5V DC Sensor Supply                        |
| A21         | 5V DC Sensor Supply                              | B21         | Signal Ground for Input Sensors            |
| A22         | Signal Ground for Input Sensors                  | B22         | Evaporative Emissions Control Output       |
| A23         | Ignition 6 Ouput                                 | B23         | Battery Negative                           |
| A24         | Ignition 5 Ouput                                 | B24         | Thermofan 1 Output                         |
| A25         | Intake Air Temperature Sensor Input              | B25         | Brake Pedal Switch 1 Input                 |
| A26         | Oil Pressure Switch Input                        | B26         | -  |
| A27         | DBW Motor +                                      | B27         | Fuel Pump Output                           |
| A28         | DBW Motor -                                      | B28         | Alternator Control Output                  |
| A29         | Knock Sensor Signal 1                            | B29         | Alternator Monitor                         |
| A30         | Crankshaft Position Sensor (+)                   | B30         | Reverse Switch Input                       |
| A31         | Camshaft Position Sensor 1                       | B31         | Power Steering Switch Input                |
| A32         | Signal Ground for Input Sensors                  | B32         | Brake Pedal Switch 2 Input                 |
| A33         | Camshaft Position Sensor 2                       | B33         | Signal Ground for Input Sensors            |
| A34         | Ignition 4 Output                                | B34         | 13.8V ECU Power                            |
| A35         | Ignition 1 Ouput                                 | B35         | Thermofan 2 Output                         |
| A36         | 5V DC Sensor Supply                              | B36         | Vehicle Speed Output                       |
| A37         | Narrowband Sensor 2 Input (Post-Cat)             | B37         | Engine Control Relay                       |
| A38         | Manifold Pressure Input                          | B38         | -  |
| A39         | Knock Sensor Signal 2                            | B39         | -  |
| A40         | Signal Ground for Input Sensors                  | B40         | 12V DC Permanent Battery Power             |
| A41         | Crankshaft Position Sensor (-)                   | B41         | -  |
| A42         | -  | B42         | Reverse Lockout Output                     |
| A43         | Signal Ground for Input Sensors                  | B43         | -  |
| A44         | DBW TPS (Throttle Position Sensor) 1 Input       | B44         | Boost Pressure Sensor                      |
| A45         | Coolant Temperature Sensor Input                 | B45         | 5V DC Sensor Supply                        |
| A46         | Ignition 2 Output                                | B46         | 13.8V ECU Power                            |