

Carolla 2007 1ZZ-FE ECU Pinout

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ASSET 14-04

Symbols (Terminals No.)	Wiring Color	Terminal Description	Conditions	STD Voltages
BATT (E6-3) - E1 (E3-5)	R-W - BR	Battery (for measuring battery voltage and for ECM memory)	Always	Between 9 V and 14 V
+BM (E5-6) - E1 (E3-5)	B-R - BR	Power source of throttle motor	Always	Between 9 V and 14 V
IGSW (E6-9) - E1 (E3-5)	B-O - BR	Ignition switch	Ignition switch ON	Between 9 V and 14 V
+B (E6-1) - E1 (E3-5)	B - BR	Power source of ECM	Ignition switch ON	Between 9 V and 14 V
MREL (E6-8) - E1 (E3-5)	B-W - BR	EFI relay	Ignition switch ON	Between 9 V and 14 V
VC (E3-18) - E2 (E3-28)	Y - BR	Power source of sensor (specific voltage)	Ignition switch ON	Between 4.5 V and 5.5 V
VTA1 (E3-21) - E2 (E3-28)	LG - BR	Throttle position sensor (for engine control)	Ignition switch ON, Accelerator pedal fully released	Between 0.5 V and 1.1 V
VTA1 (E3-21) - E2 (E3-28)	LG - BR	Throttle position sensor (for engine control)	Ignition switch ON, Accelerator pedal fully depressed	Between 3.3 V and 4.9 V
VTA2 (E3-31) - E2 (E3-28)	LG - BR	Throttle position sensor (for sensor malfunction detection)	Ignition switch ON, Accelerator pedal fully released	Between 2.1 V and 3.1 V
VTA2 (E3-31) - E2 (E3-28)	LG - BR	Throttle position sensor (for sensor malfunction detection)	Ignition switch ON, Accelerator pedal fully depressed	Between 4.5 V and 5.5 V
VPA (E6-22) - EPA (E6-28)	G - Y	Accelerator pedal position sensor (for engine control)	Ignition switch ON, Accelerator pedal fully released	Between 0.5 V and 1.1 V
VPA (E6-22) - EPA (E6-28)	G - Y	Accelerator pedal position sensor (for engine control)	Ignition switch ON, Accelerator pedal fully depressed	Between 2.6 V and 4.5 V
VPA2 (E6-23) - EPA2 (E6-29)	W - Y	Accelerator pedal position sensor (for sensor malfunction detection)	Ignition switch ON, Accelerator pedal fully released	Between 1.2 V and 2.0 V
VPA2 (E6-23) - EPA2 (E6-29)	W - Y	Accelerator pedal position sensor (for sensor malfunction detection)	Ignition switch ON, Accelerator pedal fully depressed	Between 3.4 V and 5.3 V
VCRA (E6-26) - EPA (E6-28)	B - Y	Power source of accelerator pedal position sensor (for VPA)	Ignition switch ON	Between 4.5 V and 5.5 V
VCP2 (E6-27) - EPA2 (E6-29)	B - Y	Power source of accelerator pedal position sensor (for VPA2)	Ignition switch ON	Between 4.5 V and 5.5 V
VG (E3-30) - EVG (E3-29)	G - L-W	Mass air flow meter	Idling, Shift position P or N, A/C switch OFF	Between 0.5 V and 3.0 V
THA (E3-20) - E2 (E3-28)	Y-B - BR	Intake air temperature sensor	Idling, Intake air temperature 20°C (68°F)	Between 0.5 V and 3.4 V
THW (E3-19) - E2 (E3-28)	W - BR	Engine coolant temperature sensor	Idling, Engine coolant temperature 80°C (176°F)	Between 0.2 V and 1.0 V
#10 (E3-1) - E01 (E3-7) #20 (E3-2) - E01 (E3-7) #30 (E3-3) - E01 (E3-7) #40 (E3-4) - E01 (E3-7)	Y - W-B B - W-B W - W-B L - W-B	Injector	Ignition switch ON	Between 9 V and 14 V

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Camilla Rothe

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

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Table of Contents 1zz Fe Ecu Pin Out

1. Understanding the eBook 1zz Fe Ecu Pin Out
 - The Rise of Digital Reading 1zz Fe Ecu Pin Out
 - Advantages of eBooks Over Traditional Books
2. Identifying 1zz Fe Ecu Pin Out
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an 1zz Fe Ecu Pin Out
 - User-Friendly Interface
4. Exploring eBook Recommendations from 1zz Fe Ecu Pin Out
 - Personalized Recommendations
 - 1zz Fe Ecu Pin Out User Reviews and Ratings
 - 1zz Fe Ecu Pin Out and Bestseller Lists
5. Accessing 1zz Fe Ecu Pin Out Free and Paid eBooks
 - 1zz Fe Ecu Pin Out Public Domain eBooks

- 1zz Fe Ecu Pin Out eBook Subscription Services
- 1zz Fe Ecu Pin Out Budget-Friendly Options
- 6. Navigating 1zz Fe Ecu Pin Out eBook Formats
 - ePub, PDF, MOBI, and More
 - 1zz Fe Ecu Pin Out Compatibility with Devices
 - 1zz Fe Ecu Pin Out Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of 1zz Fe Ecu Pin Out
 - Highlighting and Note-Taking 1zz Fe Ecu Pin Out
 - Interactive Elements 1zz Fe Ecu Pin Out
- 8. Staying Engaged with 1zz Fe Ecu Pin Out
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers 1zz Fe Ecu Pin Out
- 9. Balancing eBooks and Physical Books 1zz Fe Ecu Pin Out
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection 1zz Fe Ecu Pin Out
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine 1zz Fe Ecu Pin Out
 - Setting Reading Goals 1zz Fe Ecu Pin Out
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of 1zz Fe Ecu Pin Out
 - Fact-Checking eBook Content of 1zz Fe Ecu Pin Out
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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