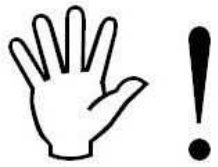
# Instruction Manual

# P/N 30-3502
# 2001–2005 Honda K Series
# Infinity-6 and Infinity-8h*
# Plug & Play Adapter Harness



## STOP!

**THIS PRODUCT HAS LEGAL RESTRICTIONS.**
**READ THIS BEFORE INSTALLING/USING!**

THIS PRODUCT MAY BE USED SOLELY ON VEHICLES USED IN SANCTIONED COMPETITION WHICH MAY NEVER BE USED UPON A PUBLIC ROAD OR HIGHWAY, UNLESS PERMITTED BY SPECIFIC REGULATORY EXEMPTION. (VISIT THE "EMISSIONS" PAGE AT HTTP://WWW.SEMASAN.COM/EMISSIONS FOR STATE BY STATE DETAILS.)

IT IS THE RESPONSIBILITY OF THE INSTALLER AND/OR USER OF THIS PRODUCT TO ENSURE THAT IT IS USED IN COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. IF THIS PRODUCT WAS PURCHASED IN ERROR, DO NOT INSTALL AND/OR USE IT. THE PURCHASER MUST ARRANGE TO RETURN THE PRODUCT FOR A FULL REFUND.

THIS POLICY ONLY APPLIES TO INSTALLERS AND/OR USERS WHO ARE LOCATED IN THE UNITED STATES; HOWEVER CUSTOMERS WHO RESIDE IN OTHER COUNTRIES SHOULD ACT IN ACCORDANCE WITH THEIR LOCAL LAWS AND REGULATIONS.

**WARNING: This installation is not for the tuning novice! Use this system with EXTREME caution! The AEM Infinity Programmable EMS allows for total flexibility in engine tuning. Misuse or improper tuning of this product can destroy your engine! If you are not well versed in engine dynamics and the tuning of engine management systems DO NOT attempt the installation. Refer the installation to an AEM-trained tuning shop or call 800-423-0046 for technical assistance.**

**NOTE: All supplied AEM calibrations, Wizards and other tuning information are offered as potential starting points only. IT IS THE RESPONSIBILITY OF THE ENGINE TUNER TO ULTIMATELY CONFIRM IF THE CALIBRATION IS SAFE FOR ITS INTENDED USE. AEM holds no responsibility for any engine damage that results from the misuse or mistuning of this product!**

*See next page for important information regarding the use of this harness with Infinity-8h

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**Instruction Part Number: 10-3502**
**Document Build 2017-09-27**

# OVERVIEW

The 30-3502 AEM Infinity Adapter Kit was designed for the 2001–2005 Honda K Series. This is a true standalone system that eliminates the use of the factory ECU. The use of this adapter makes the kit “plug and play” so no cutting or splicing wires is necessary. The base configuration files available for the Infinity EMS are starting points only and will need to be modified for every specific application.

*The AEM Infinity EMS will not support the factory A/C Switch and Coolant Gauge that are driven by Honda's Multiplex System.

The available AEM Infinity EMS part numbers for this adapter kit are:

- 30-7106 Infinity 506
- 30-7108 Infinity 508

# GETTING STARTED

Refer to the **10-7100 for EMS 30-7100 Infinity Quick Start Guide** for additional information on getting the engine started with the Infinity EMS. The base session is located in C:\Documents\AEM\Infinity Tuner\Sessions\Base Sessions

# DOWNLOADABLE FILES

Files can be downloaded from www.aeminfinity.com. An experienced tuner must be available to configure and manipulate the data before driving can commence. The Quick Start Guide and Full Manual describe the steps for logging in and registering at www.aeminfinity.com. ThThese documents are available for download in the Support section of the AEM Electronics website:
http://www.aemelectronics.com/products/support/instructions

**Downloadable Configuration files for 2001–2005 Honda K Series**

- v96.X Inf-506 Universal
- v96.X Inf-508 Universal

# OPTIONS

**30-2001 UEGO Wideband O2 Sensor**
Bosch LSU4.2 Wideband O2 Sensor that connects to AEM 30-3600 UEGO Wideband O2 Sensor Extension Harness

**30-3600 UEGO Wideband O2 Sensor Extension Harness**
Extension harness to connect AEM UEGO Wideband O2 sensor to 6-pin Deutsch

**30-3602 IP67 Logging Cable**
USB A-to-A extension cable: 39” long with right angled connector and bayonet style lock

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# *IMPORTANT INFINITY 508 INFORMATION

The primary difference between the **30-7106 Infinity 506** and **30-7108 Infinity 508** is that the 508 lacks Peak & Hold injector drivers to run low impedance fuel injectors. High impedance (saturated, high-z) fuel injectors must be used with the Infinity 508.

The Infinity 506 and Infinity 508 share a common pinout with the exception of four pins where the Infinity 508 has two each additional fuel injector and ignition coil drivers. Due to the additional fuel injector and ignition coil drivers, the 8h has two fewer digital inputs and lowside outputs. Use of this harness with an Infinity-8h will require slight modification and could result in loss of some plug and play function.

| Infinity Pin | Infinity 506 Function | Infinity 508 Function | 30-3502 PnP Honda Pin | Notes |
|---|---|---|---|---|
| **C1-3** | Lowside6 | Injector7 | C5 | Available LS6 on **Infinity 506** or Injector7 on **Infinity 508** |
| **C1-4** | Lowside7 | Injector8 | C4 | Available LS7 on **Infinity 506** or Injector8 on **Infinity 508** |
| **C1-31** | Digital6 | Coil7 | Unpopulated | Available Digital6 on **Infinity 506**; Coil7 not used on **Infinity 508**. |
| **C1-32** | Digital7 | Coil8 | Unpopulated | Available Digital7 on **Infinity 506**; Coil8 not used on **Infinity 508**. |

# INFINITY CONNECTORS

The AEM Infinity EMS uses the MX123 Sealed Connection System from Molex. AEM strongly recommends that users become familiar with the proper tools and procedures for working with these high density connectors before attempting any modifications. The entire Molex MX123 User Manual can be downloaded direct from Molex at:

http://www.molex.com/mx_upload/family//MX123UserManual.pdf

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# INFINITY ADAPTER HARNESS

Included with the 2001–2005 Honda K Series kit is an adapter harness. This is used to make the connection between the AEM Infinity EMS and the Honda wiring harness plug and play. This is depicted below with the 80-pin connector and the Honda header. There are also a few other integrated connectors within this harness described below.

The gray Deutsch 6P DTM “LAMBDA” connector is for connecting a UEGO wideband Bosch LSU4.2 sensor (AEM 30-2001). The UEGO extension harness (AEM 30-3600) mates the adapter harness to the sensor.

The gray Deutsch 4P DTM connector is used for “AEMNET”. AEMNet is an open architecture based on CAN 2.0 which provides the ability for multiple enabled devices, such as dashboards, data loggers, etc., to easily communicate with one another through two twisted cables (CAN+/CAN-).

The black Delphi 2-pin “FLASH” connector is used for secondary hardware flashing. The included shunt connector jumps the 2 wires together. Once initially flashed, the EMS is normally upgraded in the software, not using this connector.

The red flying lead labeled “Battery+” is to be connected to a permanent +12V source. This source should be independent of the ignition switch. The OEM Honda ECU does not have a permanent +12V power pin, so this must be sourced separate from the OEM connector and should be protected with a 5A fuse.

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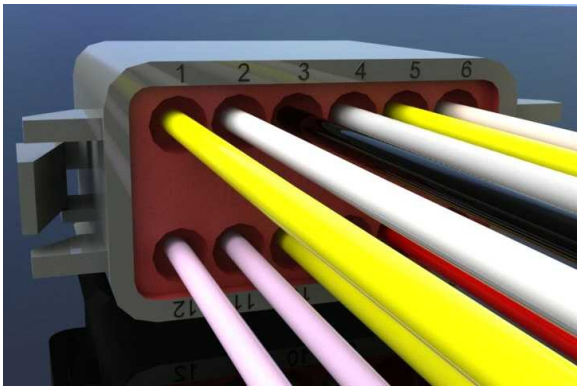
The gray Deutsch 12P DTM “AUX” connector (shown below) is used to adapt many common ancillary inputs and outputs easily. Included in the kit are a DTM 12P mating connector, 12 DTM terminals, and a DTM 12P wedgelock. If used, these components will need to be terminated by the installer or end user with 16–22awg wire (not included). Note: The pin numbering is molded into the connector, as shown.

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# PINOUTS

## Infinity Pinout

| | |
|---|---|
| **Dedicated** | **Dedicated and not reconfigurable** |
| **Assigned** | **Assigned but reconfigurable** |
| **Available** | **Available for user setup** |
| **Not Applicable** | **Not used in this configuration** |
| **Required** | **Required for proper function** |

| Infinity Pin | Infinity Assignment | Honda Pin | Honda Description | Infinity Hardware Specification | Notes |
|---|---|---|---|---|---|
| 1 | LS 4 | E26 | Engine Speed Pulse | Lowside switch, 4A max, No internal flyback diode. | The tachometer is pre-calibrated using a combination of the LS4_Freq [Hz] 1-axis table and the LS4_Duty [%] 2-axis table. |
| 2 | LS 5 | B23 | Variable Valve Timing Control | Lowside switch, 4A max with internal flyback diode. Inductive load should NOT have full time power. | The Variable Valve Timing Control is pre-calibrated using a combination of the LS5_Freq [Hz] 1-axis table and the LS5_Duty [%] 2-axis table. |
| 3 | LS 6 (Infinity 6) | C5 | --- | Lowside switch, 4A max with internal flyback diode. Inductive load should NOT have full time power. | See Wizard page "LowSide Assignment Tables" for output assignment. (Infinity 6 only) |
| | Injector 7 (Infinity 8h) | | --- | For use with high impedance (10-15 ohms) injectors only, 1.7Amax. | Spare injector output Injector 7 (Infinity 8h only) |
| 4 | LS 7 (Infinity 6) | C4 | --- | Lowside switch, 4A max, No internal flyback diode. | See Wizard page "LowSide Assignment Tables" for output assignment. (Infinity 6 only) |
| | Injector 8 (Infinity 8h) | | --- | For use with high impedance (10-15 ohms) injectors only, 1.7Amax. | Spare injector output Injector 8 (Infinity 8h only) |
| 5 | UEGO1 Heat | --- | --- | Bosch UEGO controller | Lowside switch for UEGO heater control. Connect to pin 4 of Bosch UEGO sensor. NOTE that pin 3 of the Sensor is heater (+) and must be power by a fused/switched 12V supply. |
| 6 | UEGO1 IA | --- | --- | Bosch UEGO controller | Trim Current signal. Connect to pin 2 of Bosch UEGO sensor. |
| 7 | UEGO1 IP | --- | --- | Bosch UEGO controller | Pumping Current signal. Connect to pin 6 of Bosch UEGO sensor. |
| 8 | UEGO1 UN | --- | --- | Bosch UEGO controller | Nernst Voltage signal. Connect to pin 1 of Bosch UEGO sensor. |
| 9 | UEGO1 VM | --- | --- | Bosch UEGO controller | Virtual Ground signal. Connect to pin 5 of Bosch UEGO sensor. |
| 10 | +12V Perm Power | --- | Voltage Back Up | Dedicated power management CPU | Full time battery power. MUST be powered before the ignition switch input is triggered. NOTE: Fused battery power need to supply to the flying lead on the AEM adapter harness. |
| 11 | Coil 4 | A27 | Ignition Coil Pulse No. 4 | 25 mA max source current | 0–5V falling edge fire. Do NOT connect directly to coil primary. Must use an ignitor or CDI that accepts a falling edge fire signal. |

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| Infinity Pin | Infinity Assignment | Honda Pin | Honda Description | Infinity Hardware Specification | Notes |
|---|---|---|---|---|---|
| 12 | Coil 3 | A28 | Ignition Coil Pulse No. 3 | 25 mA max source current | 0–5V falling edge fire. Do NOT connect directly to coil primary. Must use an ignitor or CDI that accepts a falling edge fire signal. |
| 13 | Coil 2 | A29 | Ignition Coil Pulse No. 2 | 25 mA max source current | 0–5V falling edge fire. Do NOT connect directly to coil primary. Must use an ignitor or CDI that accepts a falling edge fire signal. |
| 14 | Coil 1 | A30 | Ignition Coil Pulse No. 1 | 25 mA max source current | 0–5V falling edge fire. Do NOT connect directly to coil primary. Must use an ignitor or CDI that accepts a falling edge fire signal. |
| 15 | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- |
| 17 | VR0 (+) - Crank | | --- | Differential Variable Reluctance Zero Cross Detection | See Setup Wizard page Cam/Crank for options. |
| 18 | VR0 (-) - Crank | | --- | Differential Variable Reluctance Zero Cross Detection | See Setup Wizard page Cam/Crank for options. |
| 19 | VR1 (-) - Cam | | --- | Differential Variable Reluctance Zero Cross Detection | See Setup Wizard page Cam/Crank for options. |
| 20 | VR1 (+) - Cam | | --- | Differential Variable Reluctance Zero Cross Detection | See Setup Wizard page Cam/Crank for options. |
| 21 | LS 2 | B6 | Radiator Fan Control | Lowside switch, 4A max, No internal flyback diode. | See Setup Wizard Page "LowSide Assignment Tables" for output assignment and 2D table "LS2_Duty [%]" for on/off activation. |
| 22 | LS 3 | A12 | Idle Air Control Valve | Lowside switch, 4A max with internal flyback diode. Inductive load should NOT have full time power. | See Setup Wizard page and corresponding Tables for Idle Air Control. |
| 23 | Sensor GND | A10 | Sensor Ground 1 | Dedicated analog ground | Analog 0–5V sensor ground also found on aux connector. |
| 24 | Sensor GND | A11 | Sensor Ground 2 | Dedicated analog ground | Analog 0–5V sensor ground. |
| 25 | Digital 0 - Crank | A7 | CKP | 10K pullup to 12V. Will work with ground or floating switches. | See Setup Wizard page Cam/Crank for options. |
| 26 | Digital 1 - Cam1 | A26 | CMP2 | 10K pullup to 12V. Will work with ground or floating switches. | See Setup Wizard page Cam/Crank for options. |
| 27 | Digital 2 - Cam2 | A25 | CMP1 | 10K pullup to 12V. Will work with ground or floating switches. | See Setup Wizard page Cam/Crank for options. |
| 28 | Digital 3 – Flex Fuel | --- | --- | 10K pullup to 12V. Will work with ground or floating switches. | Found on the Aux Connector. Input can be assigned to different pins. See Setup Wizard page Input Function Assignments for input mapping options. |
| 29 | Digital 4 - VSS#1 | A18 | Vehicle Speed Sensor | 10K pullup to 12V. Will work with ground or floating switches. | See Setup Wizard page Vehicle Speed for calibration constant. |
| 30 | Digital 5 - | --- | --- | 10K pullup to 12V. Will work with ground or floating switches. | Found on the Aux Connector. Input can be assigned to different pins. See Setup Wizard |

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| Infinity Pin | Infinity Assignment | Honda Pin | Honda Description | Infinity Hardware Specification | Notes |
|---|---|---|---|---|---|
| | | | | | page Input Function Assignments for input mapping options. |
| 31 | Digital 6 (Infinity 6) | | --- | 10K pullup to 12V. Will work with ground or floating switches. | Input can be assigned to different pins. See Setup Wizard page Input Function Assignments for input mapping options. *Coil 7 for Infinity 8h |
| 32 | Digital 7 (Infinity 6) | --- | --- | 10K pullup to 12V. Will work with ground or floating switches. | Input can be assigned to different pins. See Setup Wizard page Input Function Assignments for input mapping options. *Coil 8 for Infinity 8h |
| 33 | GND | A4 | Power Ground 1 | Power Ground | Connects to chassis ground and AEMNet |
| 34 | CAN A - | --- | --- | Dedicated High Speed CAN Transceiver | 4P DTM Connector found in AEM adapter harness. Contact AEM for additional information. |
| 35 | CAN A + | --- | --- | Dedicated High Speed CAN Transceiver | 4P DTM Connector found in AEM adapter harness. Contact AEM for additional information. |
| 36 | CAN B - | --- | --- | Dedicated High Speed CAN Transceiver | Not used |
| 37 | CAN B + | --- | --- | Dedicated High Speed CAN Transceiver | Not used |
| 38 | Temp 1 - Coolant Temp | B8 | Engine Coolant Temp Sensor | 12 bit A/D, 2.49K pullup to 5V | See "Coolant Temperature" Setup Wizard for selection. |
| 39 | Temp 2 - Air Temp (Manifold) | B17 | Intake Air Temp Sensor | 12 bit A/D, 2.49K pullup to 5V | See "Air Temperature" Setup Wizard for selection. |
| 40 | Temp 3 - Oil Temp | --- | --- | 12 bit A/D, 2.49K pullup to 5V | Found on the Aux Connector. 0–5V analog signal. |
| 41 | LS 0 | E1 | Fuel Pump Relay | Lowside switch, 4A max, No internal flyback diode. | Switched ground. Will prime for 2 seconds at key on and activate if RPM > 0. |
| 42 | LS 1 | --- | --- | Lowside switch, 4A max with internal flyback diode. Inductive load should NOT have full time power. | Found in Aux Connector. See Setup Wizard page Boost Control for options. Monitor BoostControl [%] channel for output state. |
| 43 | GND | A5 | Power Ground 2 | Power Ground | Connect directly to battery ground. |
| 44 | Knock 0 | A9 | Knock Sensor | Dedicated knock signal processor | See Knock in Setup Wizard for options. |
| 45 | Knock 1 | | | Dedicated knock signal processor | See Knock in Setup Wizard for options. |
| 46 | GND | | | Power Ground | Connect directly to battery ground. |
| 47 | 12V_Relay_ Control | E7 | Main Relay Control | 0.7A max ground sink for external relay control | Will activate at key ON and at key OFF according to the configuration settings. |
| 48 | +12V SW (Ign Switch) | E9 | Power Source 1 | 10K pulldown | Full time battery power must be available at infinity pin 10 before this input is triggered. |
| 49 | +5V_Out | A20 | Sensor Voltage 1 | Regulated, fused +5V supply for sensor power | Analog sensor power and found on auxiliary connector |
| 50 | +5V_Out | A21 | Sensor Voltage 2 | Regulated, fused +5V supply for sensor power | Analog sensor power |
| 51 | Ana7 - Throttle | A15 | Throttle Position Sensor | 12 bit A/D, 100K pullup to 5V | 0–5V analog signal. Do not connect signals referenced to +12V as this can permanently damage the ECU. See the Setup Wizard Set |

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| Infinity Pin | Infinity Assignment | Honda Pin | Honda Description | Infinity Hardware Specification | Notes |
|---|---|---|---|---|---|
| | | | | | Throttle Range page for automatic min/max calibration. |
| 52 | Ana8 - Map | A19 | MAP Sensor | 12 bit A/D, 100K pullup to 5V | 0–5V analog signal. See the Manifold Pressure in Setup Wizard for setup and calibration. |
| 53 | Ana9 - Fuel Press | --- | --- | 12 bit A/D, 100K pullup to 5V | 0–5V analog signal found on the Auxiliary Connector |
| 54 | VR2 (+) - Driven Wheel | --- | --- | Differential Variable Reluctance Zero Cross Detection | See Driven Wheel Speed Calibration in the Setup Wizard Vehicle Speed page. |
| 55 | VR2 (-) - Driven Wheel | --- | --- | Differential Variable Reluctance Zero Cross Detection | See Driven Wheel Speed Calibration in the Setup Wizard Vehicle Speed page. |
| 56 | VR3 (-) - Tag Wheel | --- | --- | Differential Variable Reluctance Zero Cross Detection | See Non Driven Wheel Speed Calibration in the Setup Wizard Vehicle Speed page. |
| 57 | VR3 (+) - Tag Wheel | --- | --- | Differential Variable Reluctance Zero Cross Detection | See Non Driven Wheel Speed Calibration in the Setup Wizard Vehicle Speed page. |
| 58 | HS Out 0 | B15 | VTEC solenoid Valve | 0.7A max, High Side Solid State Relay | +12V High Side Drive. See Setup Wizard Honda VTEC page for options. |
| 59 | Stepper_1B | --- | --- | Automotive, Programmable Stepper Driver, up to 28V and ±1.4A | Be sure that each internal coil of the stepper motor is properly paired with the 1A/1B and 2A/2B ECU outputs. Supports Bi-Polar stepper motors only. |
| 60 | Stepper_2B | --- | --- | Automotive, Programmable Stepper Driver, up to 28V and ±1.4A | Be sure that each internal coil of the stepper motor is properly paired with the 1A/1B and 2A/2B ECU outputs. Supports Bi-Polar stepper motors only. |
| 61 | HBridge0_0 | --- | --- | 5.0A max Throttle Control Hbridge Drive | |
| 62 | HBridge0_1 | --- | --- | 5.0A max Throttle Control Hbridge Drive | |
| 63 | +12V | A2/B1 | Main Power | Main Power | 12 volt power from relay powers the Infinity, Lambda sensor, and AEMNet |
| 64 | Injector 6 | C3 | --- | Saturated or peak and hold, 3A max continuous | Spare injector output Injector 6<br>*No peak and hold injector for Infinity 8h |
| 65 | Injector 5 | C2 | --- | Saturated or peak and hold, 3A max continuous | Spare injector output Injector 5<br>*No peak and hold injector for Infinity 8h |
| 66 | Injector 4 | B2 | Injector 4 | Saturated or peak and hold, 3A max continuous | Injector 4<br>*No peak and hold injector for Infinity 8h |
| 67 | GND | --- | --- | Power Ground | Connects directly to ground |
| 68 | +12V | A3 | Main Power | Main Power | 12 volt power from relay powers the Infinity |
| 69 | Ana19 - APP2 | --- | --- | 12 bit A/D, 100K pullup to 5V | 0–5V analog signal. Do not connect signals referenced to +12V as this can permanently damage the ECU. |
| 70 | Ana18 - APP1 | --- | --- | 12 bit A/D, 100K pullup to 5V | 0–5V analog signal. Do not connect signals referenced to +12V as this can permanently damage the ECU. |
| 71 | Ana16 - Mode SW | --- | --- | 12 bit A/D, 100K pullup to 5V | 0–5V analog signal. Use +5V Out pins as power supply and Sensor Ground pins as the low |

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| Infinity Pin | Infinity Assignment | Honda Pin | Honda Description | Infinity Hardware Specification | Notes |
|---|---|---|---|---|---|
| | | | | | reference. Do not connect signals referenced to +12V as this can permanently damage the ECU. See the 1D lookup table 'Mode Switch' for input state.<br>Also assignable to multiple functions. See Setup Wizard for details. |
| 72 | Harness_Flash_Enable | --- | --- | 10K pulldown | Not usually needed for automatic firmware updates through Infinity Tuner. If connection errors occur during update, jump the 12V Flash Connector before proceeding with upgrade. Disconnect the 12V Flash Connector after the update. |
| 73 | Ana13 - Oil Press | --- | --- | 12 bit A/D, 100K pullup to 5V | 0–5V analog signal found on the Auxiliary Connector |
| 74 | Ana11 - Shift SW | --- | --- | 12 bit A/D, 100K pullup to 5V | 0–5V analog signal found on the Auxiliary Connector |
| 75 | Ana10 | --- | --- | 12 bit A/D, 100K pullup to 5V | 0–5V analog signal found on the Auxiliary Connector |
| 76 | Injector 3 | B3 | Injector 3 | Saturated or peak and hold, 3A max continuous | Injector 3<br>*No peak and hold injector for Infinity 8h |
| 77 | Injector 2 | B4 | Injector 2 | Saturated or peak and hold, 3A max continuous | Injector 2<br>*No peak and hold injector for Infinity 8h |
| 78 | Injector 1 | B5 | Injector 1 | Saturated or peak and hold, 3A max continuous | Injector 1<br>*No peak and hold injector for Infinity 8h |
| 79 | Stepper_2A | --- | --- | Automotive, Programmable Stepper Driver, up to 28V and ±1.4A | Be sure that each internal coil of the stepper motor is properly paired with the 1A/1B and 2A/2B ECU outputs. Supports Bi-Polar stepper motors only. |
| 80 | Stepper_1A | --- | --- | Automotive, Programmable Stepper Driver, up to 28V and ±1.4A | Be sure that each internal coil of the stepper motor is properly paired with the 1A/1B and 2A/2B ECU outputs. Supports Bi-Polar stepper motors only. |

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## AUX Connector Pinout

| Deutsch Pin | Infinity Pin | Wire Color | Pin Name | Default Pin Function |
|---|---|---|---|---|
| 1 | 53 | Black | Analog_In_9 | Fuel Pressure |
| 2 | 40 | Black | Analog_In_Temp_3 | Oil Temperature |
| 3 | 23 | Black | AGND | Sensor Ground |
| 4 | 49 | Black | +5V_OUT | Sensor +5V |
| 5 | 73 | Black | Analog_In_13 | Oil Pressure |
| 6 | 30 | Black | Digital_In_5 | Clutch Switch, Nitrous Arm |
| 7 | 42 | Black | LS1 | Boost Control |
| 8 | 63 | Black | +12V | +12V |
| 9 | 28 | Black | Digital_In_3 | Flex Fuel Sensor (Hz) |
| 10 | 71 | Black | Analog_In_16 | Charge Pressure |
| 11 | 75 | Black | Analog_In_10 | Baro Pressure |
| 12 | 74 | Black | Analog_In_11 | Exh Back Pressure |

## Miscellaneous Pinouts

| LAMBDA 1 | | |
|---|---|---|
| **Deutsch Pin** | **Infinity Pin** | **Default Pin Function** |
| 1 | 8 | UEGO1 UN |
| 2 | 6 | UEGO1 IA |
| 3 | 63 | +12V |
| 4 | 5 | UEGO1 Heat |
| 5 | 9 | UEGO1 VM |
| 6 | 7 | UEGO1 IP |

| AEMNet | | |
|---|---|---|
| **Deutsch Pin** | **Infinity Pin** | **Default Pin Function** |
| 1 | 35 | CAN A+ |
| 2 | 34 | CAN A- |
| 3 | 63 | +12V |
| 4 | 33 | Ground |

| FLASH ENABLE | | |
|---|---|---|
| **Delphi Pin** | **Infinity Pin** | **Default Pin Function** |
| A | 10 | Permanent Power |
| B | 72 | Harness Flash Enable |

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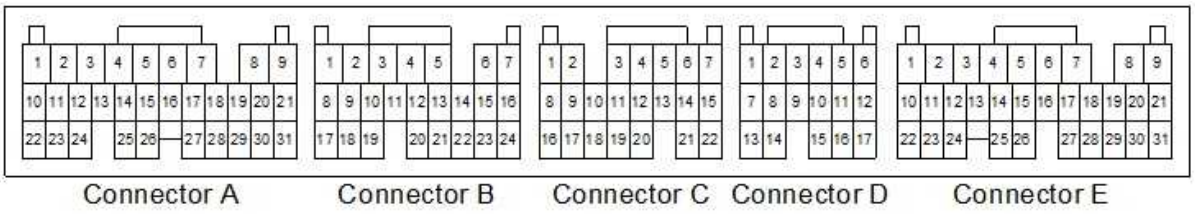
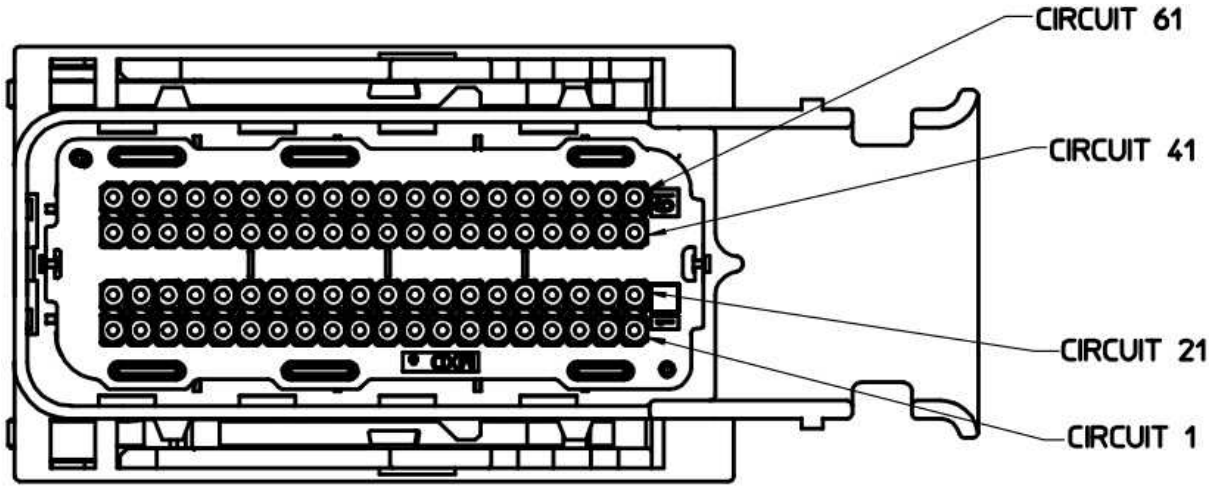
## Honda Pin Numbering




## Infinity Pin Numbering




**Viewed From Wire Side**

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