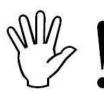
Instruction Manual



Infinity 24X LS Engine Harness System 30-3821





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

WARNING! THIS IS A RACE ONLY PRODUCT MANUFACTURED AND SOLD FOR INSTALLATION ON VEHICLES DESIGNED TO BE USED SOLELY FOR COMPETITION PURPOSES. ONCE THIS PART IS INSTALLED, THE VEHICLE MAY NEVER BE USED, OR REGISTERED OR LICENSED FOR USE, ON A PUBLIC ROAD OR HIGHWAY. IF YOU INSTALL THIS PART ON YOUR VEHICLE AND USE THE VEHICLE ON A PUBLIC ROAD OR HIGHWAY, YOU WILL VIOLATE THE CLEAN AIR ACT AND MAY BE SUBJECT TO PERSONAL CIVIL OR CRIMINAL LIABILITY, INCLUDING FINES OF UP TO \$4,819 PER DAY.

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!

Improper installation and/or adjustment of this product can result in major engine/vehicle damage. For technical assistance visit our dealer locator to find a professional installer/tuner near you.

Note: AEM holds no responsibility for any engine damage or personal injury that results from the misuse of this product, including but not limited to injury or death.

AEM Performance Electronics AEM Performance Electronics, 2205 126th Street Unit A, Hawthorne, CA 90250 Phone: (310) 484-2322 Fax: (310) 484-0152 http://www.aemelectronics.com Instruction Part Number: 10-3821 Document Build 1/26/2021

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Introduction

This Infinity Layover Harness was designed for the GM LS Engine 24x (manual transmission). The harness includes all standard GM (or equivalent) connectors for direct plug-in fitment, and requires minimal wiring to complete the Power Distribution Center (PDC) connections. The Infinity ECU is sold separately, and includes base configuration files for the GM LS Engines 24x.

Connector interface features include:

- 1 wire alternator
- Manifold Pressure Sensor
- Fuel Pressure Sensor
- Oil Pressure Sensor
- Air Temperature Sensor
- Coolant Temperature Sensor
- Drive By Wire Throttle Body
- Harness Flash
- Lambda (UEGO)
- Drive By Wire Accelerator Pedal
- 4 Wire GM Stepper IAC (Optional)
- Crank Position Sensor
- Cam Position Sensor
- 8x Injectors
- Bank 1 and Bank 2 Coils
- Knock Sensors
- Power Distribution Center with 5 automotive relays (fuse protected), distributed coil and injector power, fuel pump power, fan power, accessory power

Kit Contents



- Infinity 24x LS Engine Harness
- User Instructions

ECU Connectors

The Infinity ECUs use the MX123 Sealed Connection System from Molex. AEM strongly recommends that users become familiar with the proper tools and procedures before attempting any modifications or additions to these connector housings. The entire Molex user manual can be downloaded direct from Molex at http://www.molex.com/mx_upload/family//MX123UserManual.pdf

Splice Savers

Some harness assemblies include connector housings called splice savers. These are used to distribute power and ground circuits throughout the harness without requiring unreliable crimp splices within the harness. There are no external interfaces required at these connectors. Example shown below. Note that these connectors are NOT sealed and should not be located in environments that may see excessive water spray.

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Power Distribution Center

Included in the harness is a Power Distribution Center (PDC), pre-populated with the required relays and fuses for correct operation of accessory loads. The PDC comes with a bundle of flying leads that need to be properly wired as part of the installation. Flying leads include switched ignition, an optional fused +12V relay power output for auxiliary loads, and optional fused +12V relay outputs for a Fuel Pump and Coolant Fan.





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Harness Pinout

| C1 | | In | | 80 Way F Receptacle 0.64 2.8 Series Sealed (BL) | | |
|-------|------------|-------|-------|--|---|-----------------------|
| D: | Wire | 0 | | Destination | | |
| Pin | Color | Gauge | 1 | 2 | 3 | |
| C1-01 | | | | | | |
| C1-02 | WHT/VIO | 20 | F1 | | | Lowside 5 Flying Lead |
| C1-03 | RED/BLK | 20 | C12-2 | | | Injector 7 |
| C1-04 | DK BLU/WHT | 20 | C11-2 | | | Injector 8 |
| C1-05 | WHT | 18 | C23-4 | | | UEGO Heat |
| C1-06 | GRN | 20 | C23-2 | | | UEGO IA |
| C1-07 | RED | 20 | C23-6 | | | UEGO IP |
| C1-08 | BLK | 20 | C23-1 | | | UEGO UN |
| C1-09 | ORG | 20 | C23-5 | | | UEGO VM |
| C1-10 | RED | 20 | P1-8 | | | Permanent +12v |
| C1-11 | DK GRN/WHT | 20 | C9-C | | | Coil 4 |
| C1-12 | LT BLU | 20 | C10-F | | | Coil 3 |
| C1-13 | RED/WHT | 20 | С9-В | | | Coil 2 |
| C1-14 | VIO | 20 | C10-G | | | Coil 1 |
| C1-15 | LT BLU/WHT | 20 | C9-F | | | Coil 6 |

36-3821 - Pinout GM LSX 24X for Infinity 508

| C1-16 | DK GRN | 20 | C10-C | Coil 5 |
|-------|------------|----|-------|---------------------------|
| C1-17 | | | | |
| C1-18 | | | | |
| C1-19 | | | | |
| C1-20 | | | | |
| C1-21 | VIO | 20 | P1-37 | Lowside 2 Rad Fan Relay |
| C1-22 | | | | |
| C1-23 | BLK/WHT | 20 | C5-A | Sensor Ground |
| C1-24 | BLK | 22 | S1 | Sensor Ground |
| C1-25 | WHT | 22 | C20-A | Crank Hall |
| C1-26 | GRN | 22 | C19-C | Cam Hall |
| C1-27 | | | | |
| C1-28 | BRN | 20 | F1 | Digital 3 Flying Lead |
| C1-29 | | | | |
| C1-30 | YEL | 20 | F1 | Digital 5 Flying Lead |
| C1-31 | TAN | 20 | С10-В | Coil 7 |
| C1-32 | VIO/WHT | 20 | C9-G | Coil 8 |
| C1-33 | BLK | 20 | С3-К | Ground |
| C1-34 | | | | |
| C1-35 | | | | |
| C1-36 | | | | |
| C1-37 | | | | |
| C1-38 | YEL | 20 | C26-B | Coolant Temp |
| C1-39 | TAN | 20 | С27-В | Air Temp |
| C1-40 | | | | |
| C1-41 | VIO/WHT | 20 | P1-13 | Lowside 0 Fuel Pump Relay |
| C1-42 | WHT/YEL | 20 | F1 | Lowside 1 Flying Lead |
| C1-43 | BLK | 20 | С3-К | Ground |
| C1-44 | DK BLU/WHT | 20 | C8-A | Knock 1 |
| C1-45 | LT BLU/WHT | 20 | C7-A | Knock 2 |
| C1-46 | BLK | 20 | C3-L | Ground |
| C1-47 | YEL/WHT | 20 | P1-1 | Main Relay |
| C1-48 | PNK/WHT | 20 | P1-27 | Ignition Switch |
| C1-49 | ORG | 22 | S2 | +5V Sensor Power |
| C1-50 | GRY | 20 | C6-A | +5V Sensor Power |

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| C1-51 | DK BLU | 20 | C25-D | | Analog 7 TPS A |
|-------|------------|----|-------|-------|------------------------|
| C1-52 | LT GRN | 20 | C30-B | | Analog 8 MAP |
| C1-53 | GRN/BLU | 20 | C29-C | | Analog 9 Fuel Pressure |
| C1-54 | | | | | |
| C1-55 | | | | | |
| C1-56 | WHT/BLU | 20 | F1 | | VR3- Flying Lead |
| C1-57 | WHT/RED | 20 | F1 | | VR3+ Flying Lead |
| C1-58 | RED | 20 | RES1 | С30-В | |
| C1-59 | LT BLU/BLK | 20 | C21-C | | Stepper 1B |
| C1-60 | LT GRN/BLK | 20 | C21-A | | Stepper 2B |
| C1-61 | BRN | 20 | C25-A | | DBW- |
| C1-62 | YEL | 20 | C25-B | | DBW+ |
| C1-63 | RED | 20 | C2-L | | +12V |
| C1-64 | YEL/BLK | 20 | C13-2 | | Injector 6 |
| C1-65 | BLU/RED | 20 | C14-2 | | Injector 5 |
| C1-66 | LT BLU/BLK | 20 | C15-2 | | Injector 4 |
| C1-67 | BLK | 20 | C3-L | | Ground |
| C1-68 | RED | 20 | C2-G | | +12V |
| C1-69 | RED/BLK | 20 | C22-E | | Analog 19 APP B |
| C1-70 | DK BLU/RED | 20 | C22-B | | Analog 18 APP A |
| C1-71 | RED/GRN | 20 | C25-F | | Analog 16 TPS B |
| C1-72 | RED | 20 | C24-2 | | Flash Enable |
| C1-73 | GRN | 20 | C28-C | | Analog 13 Oil Pressure |
| C1-74 | | | | | |
| C1-75 | | | | | |
| C1-76 | PNK/BLK | 20 | C16-2 | | Injector 3 |
| C1-77 | LT GRN/BLK | 20 | C17-2 | | Injector 2 |
| C1-78 | BLU | 20 | C18-2 | | Injector 1 |
| C1-79 | LT GRN/WHT | 20 | C21-B | | Stepper 2A |
| C1-80 | LT BLU/WHT | 20 | C21-D | | Stepper 1A |

| C2 | | | 280 METRI-PACK 12F | | | | |
|-----|-------|-------|--------------------|--------------------------|---|---------------|--|
| Pin | Wire | Gauge | | Destination Switched +12 | | | |
| ГШ | Color | Gauge | 1 | 2 | 3 | Switcheu +12V | |
| А | RED | 12 | P1-2 | | | | |

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| в | RED | 20 | P1-22 | | |
|---|-----|----|-------|--|--|
| С | RED | 20 | P1-34 | | |
| D | RED | 20 | P1-46 | | |
| E | RED | 20 | P1-48 | | |
| F | | | | | |
| G | RED | 20 | C1-68 | | |
| н | RED | 20 | F1 | | |
| J | | | | | |
| к | BRN | 20 | C23-3 | | |
| L | RED | 20 | C1-63 | | |
| М | | | | | |

| C3 | | | | 280 METRI-PACK 12F | | |
|------|-------|------------|-------|--------------------|-------|-------------|
| Pin | Wire | Caura | | Destination | | Perm +12V & |
| FIII | Color | olor Gauge | 1 | 2 | 3 | Ground |
| А | RED | 12 | R3 | | | |
| В | RED | 12 | R4 | | | |
| С | RED | 12 | P1-7 | | | |
| D | RED | 12 | P1-15 | | | |
| Е | RED | 12 | P1-23 | | | |
| F | RED | 12 | P1-16 | | | |
| G | BLK | 12 | R1 | | | |
| н | BLK | 12 | R2 | | | |
| J | BLK | 18 | C9-A | | | |
| к | BLK | 20, 22, 20 | C1-33 | P1-25 | C1-43 | |
| L | BLK | 20, 22, 20 | C1-67 | P1-39 | C1-46 | |
| М | BLK | 18 | 10-A | | | |

| C4 | | | 280 METRI-PACK 12F | | | |
|------|----------|-------|--------------------|-------------|-----------------|------|
| Pin | Dia Wire | | | Destination | Coil & Injector | |
| FIII | Color | Gauge | 1 | 2 | 3 | +12V |
| А | RED | 12 | P1-40 | | | |
| В | RED | 20 | C18-1 | | | |
| С | RED | 20 | C16-1 | | | |
| D | RED | 18 | C10-H | | | |

| E | RED | 20 | C14-1 | | |
|---|-----|----|-------|--|--|
| F | RED | 20 | C12-1 | | |
| G | RED | 12 | P1-26 | | |
| н | RED | 18 | C17-1 | | |
| J | RED | 18 | C15-1 | | |
| к | RED | 18 | C9-H | | |
| L | RED | 20 | C13-1 | | |
| М | RED | 20 | C11-1 | | |

| C5 | | | | | | 280 METRI-PACK 12F |
|-----|---------|-------|-------|-------------|---|--------------------|
| Pin | Wire | Gauge | | Destination | | Sensor Ground |
| ГШ | Color | Gauge | 1 | 2 | 3 | Sensor Ground |
| А | BLK/WHT | 20 | C1-23 | С7-В | | |
| В | BLK/WHT | 20 | C9-E | | | |
| с | BLK/WHT | 20 | С8-В | | | |
| D | BLK/WHT | 20 | C26-A | | | |
| E | BLK/WHT | 20 | C27-A | | | |
| F | BLK/WHT | 20 | C28-A | | | |
| G | BLK/WHT | 20 | C29-A | | | |
| н | BLK/WHT | 20 | C30-A | | | |
| J | BLK/WHT | 20 | C10-E | | | |
| к | BLK/WHT | 20 | C22-F | | | |
| L | BLK/WHT | 20 | C22-A | | | |
| м | BLK/WHT | 20 | C25-C | | | |

| C 6 | | | 280 METRI-PACK 12F | | | |
|------------|-------|-------|--------------------|-------------|---|-----|
| Pin | Wire | Gauga | | Destination | | +5V |
| FIII | Color | Gauge | 1 | 2 | 3 | +3V |
| А | GRY | 20 | C1-50 | | | |
| В | | | | | | |
| С | GRY | 20 | C28-B | | | |
| D | GRY | 20 | C30-C | | | |
| Е | GRY | 20 | C22-C | | | |
| F | GRY | 20 | C29-B | | | |
| G | GRY | 20 | C22-D | | | |

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| н | GRY | 20 | C25-E | | |
|---|-----|----|-------|--|--|
| J | | | | | |
| к | | | | | |
| L | | | | | |
| М | | | | | |

| C7 | | | 2 Way F GT 150 Series, Sealed (BK) | | | |
|------|---------------------|----|---------------------------------------|-------------|---------------|---------------|
| Pin | Wire Color Gauge | | | Destination | Knock Sensors | |
| FIII | | | 1 | 2 | 3 | Knock Sensors |
| А | LT BLU/WHT | 20 | C1-44 | | | Knock 1 |
| В | BLK/WHT | 20 | C1-45 | | | Knock 2 |

| C8 | | | 7 Way F Metri-Pack 150 Series Sealed (Cream) | | | |
|-----|------------|--------|---|-------------|---|---------------|
| Din | Wire | Course | | Destination | | Coil Ponk 2 |
| Pin | Color | Gauge | 1 | 2 | 3 | Coil Bank 2 |
| А | BLK | 18 | C3-J | | | Ground |
| В | RED/WHT | 20 | C1-13 | | | Coil 2 |
| С | DK GRN/WHT | 20 | C1-11 | | | Coil 4 |
| D | | | | | | |
| Е | BLK/WHT | 20 | C5-B | | | Sensor Ground |
| F | LT BLU/WHT | 20 | C1-15 | | | Coil 6 |
| G | VIO/WHT | 20 | C1-32 | | | Coil 8 |
| н | RED | 18 | C4-K | | | +12v |

| C 9 | | | 7 Way F Metri-Pack 150 Series Sealed (Cream) | | | |
|------------|---------|--------|---|-------------|---|---------------|
| Pin | Wire | Course | | Destination | | Coil Bank 1 |
| Pin | Color | Gauge | 1 | 2 | 3 | |
| А | BLK | 18 | C3-M | | | Ground |
| В | TAN | 20 | C1-31 | | | Coil 7 |
| С | DK GRN | 20 | C1-16 | | | Coil 5 |
| D | | | | | | |
| Е | BLK/WHT | 20 | C5-J | | | Sensor Ground |
| F | LT BLU | 20 | C1-12 | | | Coil 3 |
| G | VIO | 20 | C1-14 | | | Coil 1 |

10

| н | RED | 18 | C4-D | | +12v |
|---|-----|----|------|--|------|

11

| C10 | | | | | | |
|-----|---------------|--------|------|-------------|---|------|
| Pin | Wire Color | Course | | Destination | | |
| Pin | Color | Gauge | 1 | 2 | 3 | INJ8 |
| 1 | RED | 20 | C4-M | | | |
| 2 | DK BLU/WHT | 20 | C1-4 | | | |

| C11 | | | | | | |
|-----|----------------|--------|-------------|---|---|-------|
| Din | Wire | Course | Destination | | | IN 17 |
| Pin | Pin Wire Color | Gauge | 1 | 2 | 3 | INJ7 |
| 1 | RED | 20 | C4-F | | | |
| 2 | RED/BLK | 20 | C1-3 | | | |

| C12 | | | | | | |
|-----|----------------|-------|-------|-------------|---|------|
| Din | Wire | De | | Destination | | INJ6 |
| Pin | Pin Wire Color | Gauge | 1 | 2 | 3 | σζηι |
| 1 | RED | 20 | C4-L | | | |
| 2 | YEL/BLK | 20 | C1-64 | | | |

| C13 | | | | | | |
|-----|----------------|--------|-------|-------------|-------|------|
| Dim | Wire | Course | | Destination | IN 15 | |
| Pin | Pin Wire Color | Gauge | 1 | 2 | 3 | INJ5 |
| 1 | RED | 20 | C4-E | | | |
| 2 | BLU/RED | 20 | C1-65 | | | |

| C14 | | | | | | |
|-----|---------------------|-------|-------|-------------|------|------|
| Din | Wire Color Gauge | | | Destination | INJ4 | |
| Pin | Color | Gauge | 1 | 2 | 3 | INJ4 |
| 1 | RED | 20 | C4-J | | | |
| 2 | LT BLU/BLK | 20 | C1-66 | | | |

C15

| Pin Wire | | Course | | Destination | INJ3 | |
|----------|---------|--------|-------|-------------|------|------|
| FIII | Color | Gauge | 1 | 2 | 3 | INJO |
| 1 | RED | 20 | C4-C | | | |
| 2 | PNK/BLK | 20 | C1-76 | | | |

| C16 | | | | | | |
|-----|----------------|-------|-------|-------------|-------|------|
| Din | Wire | | | Destination | IN 12 | |
| Fin | Pin Wire Color | Gauge | 1 | 2 | 3 | INJ2 |
| 1 | RED | 20 | C4-H | | | |
| 2 | LT GRN/BLK | 20 | C1-77 | | | |

| C17 | | | | | | |
|------|----------------|-------|-------|-------------|------|-------|
| Pin | Wire | Caura | | Destination | INJ1 | |
| FIII | Pin Wire Color | Gauge | 1 | 2 | 3 | IIIJI |
| 1 | RED | 20 | C4-B | | | |
| 2 | BLU | 20 | C1-78 | | | |

| C18 | | | | | | |
|------|-------|-------|-------|-----|---|---------------|
| Pin | Wire | Gaugo | | CAM | | |
| FIII | Color | Gauge | 1 | 2 | 3 | CAIVI |
| А | ORG | 22 | C1-26 | | | Cam Signal |
| В | BLK | 22 | S1 | | | Sensor Ground |
| С | GRN | 22 | S2 | | | 5v |

| C19 | | | | | | |
|------|-------|-------|-------|-------------|-------|---------------|
| Pin | Wire | | | Destination | CRANK | |
| FIII | Color | Gauge | 1 | 2 | 3 | CRAINK |
| А | WHT | 22 | C1-25 | | | Crank Signal |
| В | BLK | 22 | S1 | | | Sensor Ground |
| С | ORG | 22 | S2 | | | 5v |

| C20 | | | | | | |
|------|-------|-------|-------------|---|---|------|
| Pin | Wire | Gauge | Destination | | | IDLE |
| PIII | Color | Gauge | 1 | 2 | 3 | IDLE |

| А | LT GRN/BLK | 20 | C1-60 | | Stepper 2B |
|---|------------|----|-------|--|------------|
| В | LT GRN/WHT | 20 | C1-79 | | Stepper 2A |
| С | LT BLU/BLK | 20 | C1-59 | | Stepper 1B |
| D | LT BLU/WHT | 20 | C1-80 | | Stepper 1A |

| C21 | | | | | | |
|-----|------------|-------|-------|-------------|---|-----------------|
| Pin | Wire | Caura | | Destination | | DEDAL |
| Pin | Color | Gauge | 1 | 2 | 3 | PEDAL |
| А | BLK/WHT | 20 | C5-L | | | Sensor Ground |
| В | DK BLU/RED | 20 | C1-70 | | | Analog 18 APP A |
| С | GRY | 20 | C6-E | | | 5v |
| D | GRY | 20 | C6-G | | | 5v |
| E | RED/BLK | 20 | C1-69 | | | Analog 19 APP B |
| F | BLK/WHT | 20 | С5-К | | | Sensor Ground |

| C22 | | | | | | |
|------|-------|-------------|------|---|---|-----------|
| Pin | Wire | Destination | | | | |
| FIII | Color | Gauge | 1 | 2 | 3 | UEGO |
| 1 | BLK | 20 | C1-8 | | | UEGO UN |
| 2 | GRN | 20 | C1-6 | | | UEGO IA |
| 3 | BRN | 20 | C2-K | | | +12V |
| 4 | WHT | 18 | C1-5 | | | UEGO Heat |
| 5 | ORG | 20 | C1-9 | | | UEGO VM |
| 6 | RED | 20 | C1-7 | | | UEGO IP |

| C23 | | | | | | |
|------|---------------------|-------|-------|-------------|-------|-------|
| Pin | Wire Color Gauge | | | Destination | FLASH | |
| FIII | Color | Gauge | 1 | 2 | 3 | FLASH |
| 1 | RED | 20 | P1-8 | | | |
| 2 | RED | 20 | C1-72 | | | |

| C24 | | | | | | |
|------|-------|-------|---|-------------|---|--------------|
| Pin | Wire | Gauga | | Destination | | DBW THROTTLE |
| P111 | Color | Gauge | 1 | 2 | 3 | DBWINKUTTLE |

| А | BRN | 20 | C1-61 | | DBW- |
|---|---------|----|-------|--|-----------------|
| В | YEL | 20 | C1-62 | | DBW+ |
| С | BLK/WHT | 20 | C5-M | | Sensor Ground |
| D | DK BLU | 20 | C1-51 | | Analog 7 TPS A |
| E | GRY | 20 | C6-H | | 5v |
| F | RED/GRN | 20 | C1-71 | | Analog 16 TPS B |

| C25 | | | | | | |
|------|---------------|-------|-------|-------------|---------|---------|
| Pin | Wire Color | Caura | | Destination | COOLANT | |
| FIII | Color | Gauge | 1 | 2 | 3 | COOLANT |
| А | BLK/WHT | 20 | C5-D | | | |
| В | YEL | 20 | C1-38 | | | |

| C26 | | | | | | |
|------|---------------|-------|-------|-------------|----------|--|
| Pin | Wire Color | Gauga | | Destination | AIR TEMP | |
| FIII | Color | Gauge | 1 | 2 | 3 | |
| А | BLK/WHT | 20 | C5-E | | | |
| В | TAN | 20 | C1-39 | | | |

| C27 | | | | | | |
|----------|-------------|--------|-------|-------------|--------------|------------------------|
| Pin Wire | | Course | | Destination | OIL PRESSURE | |
| FIN | n Color Gau | Gauge | 1 | 2 | | OIL PRESSURE |
| А | BLK/WHT | 20 | C5-F | | | Sensor Ground |
| В | GRY | 20 | C6-C | | | 5v |
| С | GRN | 20 | C1-73 | | | Analog 13 Oil Pressure |

| C28 | | | | | | |
|------|--------------|--------|-------|-------------|---|------------------------|
| Pin | Wire | Course | | Destination | | |
| FIII | Pin Color Ga | Gauge | 1 | 2 | 3 | FUEL PRESSURE |
| А | BLK/WHT | 20 | C5-G | | | Sensor Ground |
| В | GRY | 20 | C6-F | | | 5v |
| С | GRN/BLU | 20 | C1-53 | | | Analog 9 Fuel Pressure |

C29

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| Pin | Wire | Destination | | | | MAP |
|------|---------|-------------|-------|---|---|---------------|
| FIII | Color | Gauge | 1 | 2 | 3 | WAP |
| А | BLK/WHT | 20 | C5-H | | | Sensor Ground |
| В | LT GRN | 20 | C1-52 | | | Analog 8 MAP |
| С | GRY | 20 | C6-D | | | 5v |

| C30 | | | | | | |
|-----|---------------|-------|------|-------------|---|-----|
| Pin | Wire Color | Gaugo | | Destination | _ | ALT |
| ГШ | Color | Gauge | 1 | 2 | 3 | |
| А | | | | | | |
| В | RED | 20 | RES1 | C1-58 | | |
| С | | | | | | |
| D | | | | | | |

| P1 | | | | | | Power Distribution Module, PDM-T3AA1 |
|-----|---------|--------|-------|-------------|---|---|
| Pin | Wire | Course | | Destination | | |
| Pin | Color | Gauge | 1 | 2 | 3 | |
| 1 | YEL/WHT | 20 | C1-47 | | | EFI1 Main Relay Trigger |
| 2 | RED | 12 | C2-A | | | EFI1 Main Relay +12v Out |
| 3 | RED | 12, 22 | P1-9 | P1-10 | | EFI1 Fuse Out |
| 4 | RED | 20 | R4 | | | Battery Fuse In |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | RED | 12 | C3-C | | | EFI1 Fuse In |
| 8 | RED | 20, 20 | C1-10 | C24-1 | | Battery Fuse Out |
| 9 | RED | 12 | P1-3 | | | EFI1 Main Relay +12v In |
| 10 | RED | 22 | P1-3 | | | EFI1 Main Relay Coil |
| 11 | RED | 12 | P1-33 | | | EFI2 Fuse Out |
| 12 | RED | 12 | P1-21 | | | Fuel Pump Fuse Out |
| 13 | VIO/WHT | 20 | C1-41 | | | Lowside 0 Fuel Pump Trigger |
| 14 | RED/GRN | 12 | F1 | | | Fuel Pump +12v Flying Lead |
| 15 | RED | 12 | C3-D | | | EFI2 Fuse In |
| 16 | RED | 12 | C3-F | | | Fuel Pump Fuse In |
| 17 | | | | | | |

| 18 | | | | |
|----|---------|----|-------|------------------------------|
| 19 | RED | 12 | P1-47 | EFI3 Fuse Out |
| 20 | RED | 12 | P1-45 | Rad Fan Fuse Out |
| 21 | RED | 12 | P1-12 | Fuel Pump Relay 12v In |
| 22 | RED | 20 | C2-B | Fuel Pump Relay Coil |
| 23 | RED | 12 | C3-E | EFI3 Fuse In |
| 24 | RED | 12 | R3 | Rad Fan Fuse In |
| 25 | BLACK | 20 | С3-К | EFI2 Relay Coil Ground |
| 26 | RED | 12 | C4-G | EFI2 Relay Out |
| 27 | PNK/WHT | 20 | C1-48 | Ignition Switch Fuse Out |
| 28 | | | | |
| 29 | | | | |
| 30 | | | | |
| 31 | PNK/WHT | 22 | F1 | Ignition Switch Fuse In Lead |
| 32 | | | | |
| 33 | RED | 12 | P1-11 | EFI2 Relay In |
| 34 | RED | 20 | C2-C | EFI2 Relay Coil 12v |
| 35 | | | | |
| 36 | | | | |
| 37 | VIO | 20 | C1-21 | LS2 Rad Fan Trigger |
| 38 | RED/BLU | 12 | F1 | Rad Fan Relay Out Lead |
| 39 | BLK | 22 | C3-L | EFI3 Relay Coil Ground |
| 40 | RED | 12 | C4-A | EFI3 Relay Out |
| 41 | | | | |
| 42 | | | | |
| 43 | | | | |
| 44 | | | | |
| 45 | RED | 12 | P1-20 | Rad Fan Relay 12v In |
| 46 | RED | 20 | C2-D | Rad Fan Relay Coil 12v In |
| 47 | RED | 12 | P1-19 | EFI3 Relay 12v In |
| 48 | RED | 20 | C2-E | EFI3 Relay Coil 12v In |

| F1 | | | Flying Leads | | | |
|------|-------|--------|--------------|-------------|---|--|
| Pin | Wire | Course | | Destination | | |
| FIII | Color | Gauge | 1 | 2 | 3 | |

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| WHT/BLU | 20 | C1-56 | | |
|---------|----|-------|--|--|
| WHT/RED | 20 | C1-57 | | |
| WHT/YEL | 20 | C1-42 | | |
| YEL | 20 | C1-30 | | |
| WHT/VIO | 20 | C1-2 | | |
| BRN | 20 | C1-28 | | |
| RED | 20 | C2-H | | |
| RED/BLU | 12 | P1-38 | | |
| RED/GRN | 12 | P1-14 | | |
| PNK/WHT | 22 | P1-31 | | |

| S1 | | | Splice | | | |
|------|---------------|-------|--------|-------------|---|--|
| Pin | Wire Color | Gauga | | Destination | | |
| FIII | Color | Gauge | 1 | 2 | 3 | |
| IN | BLK | 22 | C1-24 | | | |
| OUT | BLK | 22 | C20-B | | | |
| OUT | BLK | 22 | C19-B | | | |

| S2 | | | Splice | | | |
|------|---------------------|-------|--------|-------------|---|--|
| Pin | Wire Color Gauge | | | Destination | | |
| FIII | Color | Gauge | 1 | 2 | 3 | |
| IN | ORG | 22 | C1-49 | | | |
| OUT | ORG | 22 | C20-C | | | |
| OUT | ORG | 22 | C19-A | | | |

| R1 | | Ring Terminal | | | | |
|-----|---|---------------|------|---|---|-------|
| Pin | Wire Color Gauge Destination 1 2 3 | | | | | Batt- |
| | | | | 2 | 3 | |
| | BLK | 12 | C3-G | | | |

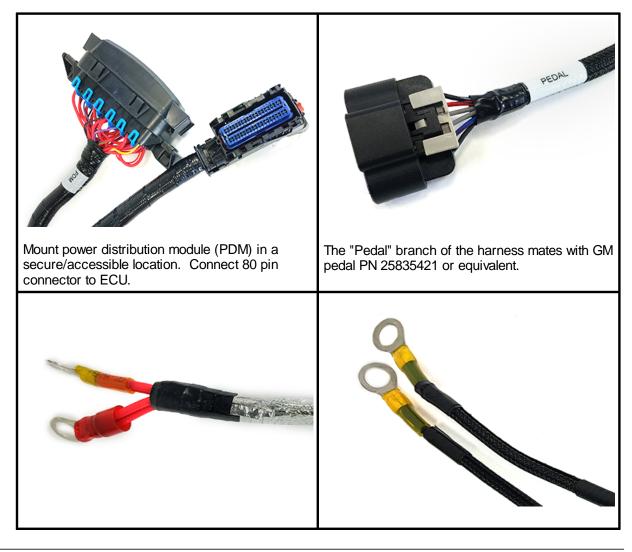
| R2 | | | Ring Terminal | | | |
|-----|---------------|-------|---------------|-------------|-------|--|
| Pin | Wire Color | Gauge | | Destination | Batt- | |
| | COIOI | | 1 | 2 | 3 | |
| | BLK | 12 | С3-Н | | | |

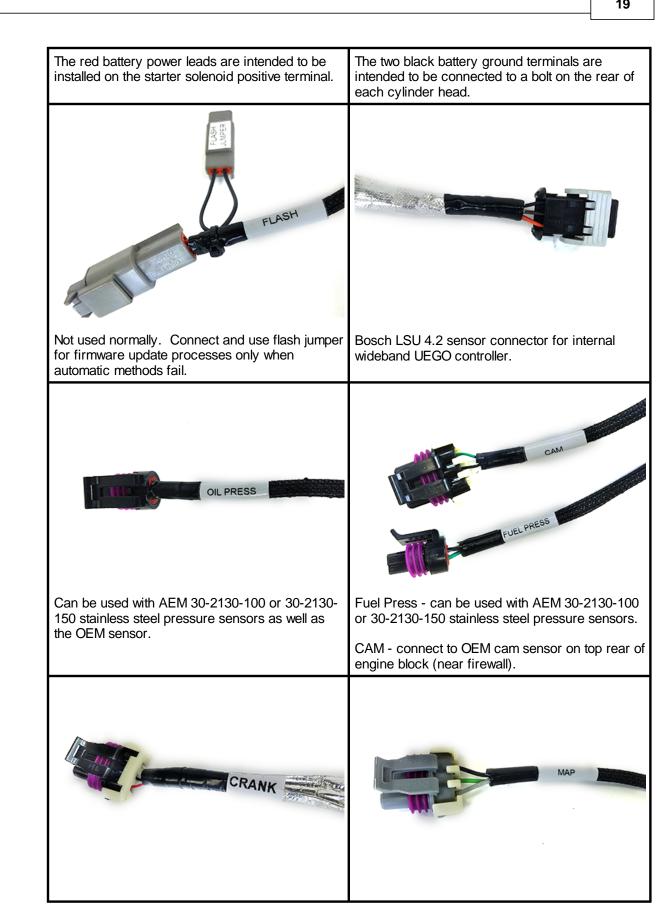
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| R3 | | | Ring Terminal | | | |
|-----|---------------|-------|---------------|------------------|---|-------|
| Pin | Wire Color | Gauge | 1 | Destination 2 | 3 | Batt+ |
| | RED | 12,12 | C3-A | P1-24 | | |

| R4 | | | Ring Terminal | | | |
|------|-------|--------|---------------|------|---|-------|
| Pin | Wire | Gaugo | Destination | | | Batt+ |
| FIII | Color | Gauge | 1 | 2 | 3 | Dall+ |
| | RED | 12, 20 | C3-B | P1-4 | | |

Harness Installation Tips





| | AEM Infinity Harness Manuals | |
|---|---|---|
| 1 | Connect to OEM crank position sensor behind starter motor. | Connect to OEM MAP sensor GM PN 1261580 12569240 or equivalent. The MAP sensor is located at the rear of the intake manifold. |
| | KNOCK SENSOR | DBW DBW |
| | Connect to OEM knock sensor jumper harness located at drivers side rear of intake manifold. The jumper harness connects to the individual knock sensors in the lifter valley area. | Optional for drive by wire throttle bodies (DBM Connect to OEM throttle body GM PN 1257079 or equivalent. |
| | NO 1 | |
| | EV6/USCar injector connector. Appearance may vary on this connector. | Optional for stepper motor idle control. Compatible with typical GM 4 wire stepper mot air valves. |
| | | |
| | Coil interface connector. Plug into coil sub harnesses on each bank. | |



Flying Leads

A bundle of flying lead wires is included for various input and output functions. They are described below.

| Wire | Description | | |
|---------|--|--|--|
| | Ignition Switch - +12V power in crank and run positions only. Recommend that no other loads or devices be connected to this wire | | |
| RED/BLU | Relay controlled fused fan power - connect to fan motor + | | |
| RED/GRN | Relay controlled fused fuel pump power - connect to fuel pump motor + | | |
| RED | Relay controlled fused auxiliary power - connect to optional relay primary coil + | | |
| BRN | DIG3 - for frequency input - see ECU pinout for hardware limitations | | |
| WHT/VIO | Lowside 5 - switched ground output - see ECU pinout for hardware limitations | | |
| YEL | DIG5 - for switch input - see ECU pinout for hardware limitations | | |
| WHT/YEL | Lowside 1 - switched ground output - see ECU pinout for hardware limitations | | |
| WHT/RED | VR+ 3 - for mag frequency inputs - connect to signal positive | | |
| WHT/BLU | VR- 3 - for mag frequency inputs - connect to signal negative | | |

Infinity Series 5 ECU Pinout

| Infinity Pin | Hardware Ref. | Hardware Specification | Notes |
|-----------------|---------------|--|---|
| C1-1 | Lowside 4 | Lowside switch, 1.7A max, NO internal flyback diode. 12V pullup | See Setup Wizard Page "Output Function Assignment" for setup options. |
| C1-2 | Lowside 5 | Lowside switch, 6A max with internal flyback diode. Inductive load should NOT have full time power. | See Setup Wizard Page "Output Function Assignment" for setup options. |

| Infinity Pin | Hardware Ref. | Hardware Specification | Notes |
|-----------------|-------------------------------------|--|---|
| | | 12V pullup | |
| C1-3* | Lowside 6 (*Infinity- 506 Only) | Lowside switch, 6A max with internal flyback diode. Inductive load should NOT have full time power. | See Setup Wizard Page "Output Function Assignment" for setup options. |
| | | No pullup | |
| C1-3** | Injector 7 (**Infinity-508 Only) | For use with high impedance (10-15 ohms) injectors only, 1.7A max. | Available on P/N 30-7108 only |
| C1-4* | Lowside 7 (*Infinity-506 Only) | Lowside switch, 6A max, NO internal flyback diode. No pullup | See Setup Wizard Page "Output Function Assignment" for setup options. |
| C1-4** | Injector 8 (**Infinity-508 Only) | For use with high impedance (10-15 ohms) injectors only, 1.7A max. | Available on P/N 30-7108 only |
| C1-5 | UEGO 1 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. |
| C1-6 | UEGO 1 IA | | Trim Current signal. Connect to pin 2 of Bosch UEGO sensor |
| C1-7 | UEGO 1 IP | | Pumping Current signal. Connect to pin 6 of Bosch UEGO sensor |
| C1-8 | UEGO 1 UN | | Nernst Voltage signal. Connect to pin 1 of Bosch UEGO sensor |
| C1-9 | UEGO 1 VM | | Virtual Ground signal. Connect to pin 5 of Bosch UEGO sensor. |
| C1-10 | Battery Perm Power | Dedicated power management CPU | Full time battery power. MUST be powered before the ignition switch input is triggered (See C1-48). |
| C1-11 | Coil 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. |
| C1-12 | Coil 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. |
| C1-13 | Coil 2 | 25 mA max source current | 0-5V Falling edge fire. DO NOT connect directly to coil primary. |

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| Infinity Pin | Hardware Ref. | Hardware Specification | Notes |
|-----------------|------------------------------------|---|---|
| | | | Must use an ignitor OR CDI that accepts a FALLING edge fire signal. |
| C1-14 | Coil 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. |
| C1-15 | Coil 6 | 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. |
| C1-16 | Coil 5 | 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. |
| C1-17 | Crankshaft Position Sensor VR+ | Differential Variable Reluctance Zero Cross Detection | See Setup Wizard page Cam/Crank for options. |
| C1-18 | Crankshaft Position Sensor VR- | | See Setup Wizard page Cam/Crank for options. |
| C1-19 | Camshaft Position Sensor 1 VR- | Differential Variable Reluctance Zero Cross Detection | See Setup Wizard page Cam/Crank for options. |
| C1-20 | Camshaft Position Sensor 1 VR+ | | See Setup Wizard page Cam/Crank for options. |
| C1-21 | Lowside 2 | Lowside switch, 1.7A max, NO internal flyback diode. No pullup | See Setup Wizard Page "Output Function Assignment" for setup options. |
| C1-22 | Lowside 3 | Lowside switch, 6A max with internal flyback diode. Inductive load should NOT have full time power. No pullup | See Setup Wizard Page "Output Function Assignment" for setup options. |
| C1-23 | Analog Sensor Ground | Dedicated analog ground | Analog 0-5V sensor ground |
| C1-24 | Analog Sensor Ground | Dedicated analog ground | Analog 0-5V sensor ground |
| C1-25 | Crankshaft Position Sensor Hall | 10K pullup to 12V. Will work with ground or floating switches. | See Setup Wizard page Cam/Crank for options. |
| C1-26 | Camshaft Position | 10K pullup to 12V. Will work | See Setup Wizard page Cam/Crank |

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| Infinity Pin | Hardware Ref. | Hardware Specification | Notes |
|-----------------|--|--|---|
| | Sensor 1 Hall | with ground or floating switches. | for options. |
| C1-27 | Digital 2 | 10K pullup to 12V. Will work with ground or floating switches. | See Setup Wizard page Cam/Crank for options. |
| C1-28 | Dig3 [Hz] / Dig3 Duty | 10K pullup to 12V. Will work with ground or floating switches. | See Setup Wizard page "Input Function Assignments" for setup options. |
| C1-29 | Dig4 [Hz] / Dig4 Duty | 10K pullup to 12V. Will work with ground or floating switches. | See Setup Wizard page "Input Function Assignments" for setup options. |
| C1-29 | RS232 Rx | RS232 Line Driver/Receiver | Future expansion |
| C1-30 | Digital 5 | 10K pullup to 12V. Will work with ground or floating switches. | See Setup Wizard page "Input Function Assignments" for setup options. |
| C1-30 | RS232 Tx | RS232 Line Driver/Receiver | Future expansion |
| C1-31* | Dig6 [Hz] / Dig6_Duty (*Infinity-506 Only) | 10K pullup to 12V. Will work with ground or floating switches. | See Setup Wizard page "Input Function Assignments" for setup options. |
| C1-31** | Coil 7 (**Infinity-508 Only) | 25 mA max source current | Available on P/N 30-7108 only. 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. |
| C1-32* | Digital 7 (*Infinity-506 Only) | 10K pullup to 12V. Will work with ground or floating switches. | See Setup Wizard page "Input Function Assignments" for setup options. |
| C1-32** | Coil 8 (**Infinity-508 Only) | 25 mA max source current | Available on P/N 30-7108 only. 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. |
| C1-33 | Battery Ground | Battery Ground | Connect directly to battery ground |
| C1-34 | CANL A | Dedicated High Speed CAN Transceiver | Recommend twisted pair (one twist per 2") with terminating resistor. Contact AEM for additional information. |
| C1-35 | CANH A | Dedicated High Speed CAN Transceiver | Recommend twisted pair (one twist per 2") with terminating resistor. Contact AEM for additional information. |

| Infinity Pin | Hardware Ref. | Hardware Specification | Notes |
|-----------------|---|--|--|
| C1-36 | CanL B | Dedicated High Speed CAN Transceiver | Not used, reserved for future expansion. |
| C1-37 | CanH B | Dedicated High Speed CAN Transceiver | Not used, reserved for future expansion. |
| C1-38 | Analog Temp 1 | 12 bit A/D, 2.49K pullup to 5V | Default Coolant Temperature Input |
| C1-39 | Analog Temp 2 | 12 bit A/D, 2.49K pullup to 5V | Default Air Temperature Input |
| C1-40 | Analog Temp 3 | 12 bit A/D, 2.49K pullup to 5V | Default Oil Temperature Input. See Setup Wizard page "Input Function Assignments" for setup options. |
| C1-41 | Lowside 0 | Lowside switch, 1.7A max, NO internal flyback diode. No pullup | See Setup Wizard Page "Output Function Assignment" for setup options. |
| C1-42 | Lowside 1 | Lowside switch, 6A max with internal flyback diode. Inductive load should NOT have full time power. | See Setup Wizard Page "Output Function Assignment" for setup options. |
| | | No pullup | |
| C1-43 | Battery Ground | Battery Ground | Connect directly to battery ground |
| C1-44 | Knock Sensor 1 | Dedicated knock signal processor | See Setup Wizard page Knock Setup for options. |
| C1-45 | Knock Sensor 2 | Dedicated knock signal processor | See Setup Wizard page Knock Setup for options. |
| C1-46 | Battery Ground | Battery Ground | Connect directly to battery ground |
| C1-47 | EFI Main Relay Switched Ground Output | 0.7A max ground sink for external relay control | Will activate at key on and at key off according to the configuration settings. |
| C1-48 | Ignition Switch | 10K pulldown | Full time battery power must be available at C1-10 before this input is triggered. |
| C1-49 | +5V Sensor Power | Regulated, fused +5V supply for sensor power | Analog sensor power |
| C1-50 | +5V Sensor Power | Regulated, fused +5V supply for sensor power | Analog sensor power |
| C1-51 | Analog 7 | 12 bit A/D, 100K pullup to 5V | Default primary Throttle Position sensor inpur. |
| | | | 0-5V analog signal. Use +5V Out |

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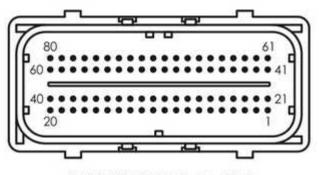
| Infinity Pin | Hardware Ref. | Hardware Specification | Notes |
|-----------------|---------------|--|--|
| | | | pins as power supply and Sensor Ground pins as the low reference. Do not connect signals referenced to +12V as this can permanently damage the ECU. See Setup Wizard Set Throttle Range page for automatic min/max calibration. Monitor the Throttle [%] channel. Also DB1_TPSA [%] for DBW applications. |
| C1-52 | Analog 8 | 12 bit A/D, 100K pullup to 5V | Default Manifold Pressure Sensor input. |
| | | | 0-5V analog signal. Use +5V Out pins as power supply and Sensor Ground pins as the low reference. Do not connect signals referenced to +12V as this can permanently damage the ECU. |
| C1-53 | Analog 9 | 12 bit A/D, 100K pullup to 5V | Default Fuel Pressure Sensor Input. |
| | | | 0-5V analog signal. Use +5V Out pins as power supply and Sensor Ground pins as the low reference. Do not connect signals referenced to +12V as this can permanently damage the ECU. |
| C1-54 | VR+ 2 | Differential Variable Reluctance Zero Cross Detection | See Setup Wizard page "Input Function Assignments" for setup options. |
| C1-55 | VR- 2 | | |
| C1-56 | VR- 3 | Differential Variable Reluctance Zero Cross Detection | See Setup Wizard page "Input Function Assignments" for setup options. |
| C1-57 | VR+ 3 | | |
| C1-58 | Highside 0 | 2.6A max, High Side Solid State Relay | See Setup Wizard Page "Output Function Assignment" for setup options. |
| C1-59 | Stepper 1B | Automotive, Programmable Stepper Driver, up to 28V and ±1.4A | Be sure that each internal coil of the stepper motor are properly paired with the 1A/1B and 2A/2B ECU outputs. Supports Bi-Polar stepper motors only. |
| C1-60 | Stepper 2B | Automotive, Programmable Stepper Driver, up to 28V and ±1.4A | Be sure that each internal coil of the stepper motor are properly paired with the 1A/1B and 2A/2B ECU outputs. Supports Bi-Polar stepper |

| Infinity Pin | Hardware Ref. | Hardware Specification | Notes |
|-----------------|---------------------------|---|--|
| | | | motors only. |
| C1-61 | DBW1 Motor - | 5.0A max Throttle Control Hbridge Drive | +12V to close |
| C1-62 | DBW1 Motor + | 5.0A max Throttle Control Hbridge Drive | +12V to open |
| C1-63 | Main Relay Power Input | 12 volt power from relay | 12 volt power from relay. Relay must be controlled by +12V Relay Control signal, pin C1-47 above. |
| C1-64 | Injector 6 | Saturated (P/N 30-7108) or peak and hold, 3A max continuous (P/N 30-7106) | Injector 6 |
| C1-65 | Injector 5 | Saturated (P/N 30-7108) or peak and hold, 3A max continuous (P/N 30-7106) | Injector 5 |
| C1-66 | Injector 4 | Saturated (P/N 30-7108) or peak and hold, 3A max continuous (P/N 30-7106) | Injector 4 |
| C1-67 | Battery Ground | Battery Ground | Connect directly to battery ground |
| C1-68 | Main Relay Power Input | 12 volt power from relay | 12 volt power from relay. Relay must be controlled by +12V Relay Control signal, pin C1-47 above. |
| C1-69 | Analog 19 | 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 reference. Do not connect signals referenced to +12V as this can permanently damage the ECU. See Setup Wizard page "Input Function Assignments" for setup options. |
| C1-70 | Analog 18 | 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 reference. Do not connect signals referenced to +12V as this can permanently damage the ECU. See Setup Wizard page "Input Function Assignments" for setup options. |
| C1-71 | Analog 16 | 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 reference. Do not connect signals referenced to |

| Infinity Pin | Hardware Ref. | Hardware Specification | Notes |
|-----------------|---------------|---|--|
| | | | +12V as this can permanently damage the ECU. See Setup Wizard page "Input Function Assignments" for setup options. |
| C1-72 | Flash Enable | 10K pulldown | Not usually needed for automatic firmware updates through Infinity Tuner. If connection errors occur during update, connect 12 volts to this pin before proceeding with upgrade. Disconnect the 12 volts signal after the update. |
| C1-73 | Analog 13 | 12 bit A/D, 100K pullup to 5V | Default Oil Pressure Sensor input. |
| | | | 0-5V analog signal. Use +5V Out pins as power supply and Sensor Ground pins as the low reference. Do not connect signals referenced to +12V as this can permanently damage the ECU. |
| C1-74 | Analog 11 | 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 reference. Do not connect signals referenced to +12V as this can permanently damage the ECU. See Setup Wizard page "Input Function Assignments" for setup options. |
| C1-75 | Analog 10 | 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 reference. Do not connect signals referenced to +12V as this can permanently damage the ECU. See Setup Wizard page "Input Function Assignments" for setup options. |
| C1-76 | Injector 3 | Saturated (P/N 30-7108) or peak and hold, 3A max continuous (P/N 30-7106) | Injector 3 |
| C1-77 | Injector 2 | Saturated (P/N 30-7108) or peak and hold, 3A max continuous (P/N 30-7106) | Injector 2 |
| C1-78 | Injector 1 | Saturated (P/N 30-7108) or peak and hold, 3A max continuous (P/N 30-7106) | Injector 1 |
| C1-79 | Stepper 2A | Automotive, Programmable Stepper Driver, up to 28V and ±1.4A | Be sure that each internal coil of the stepper motor are properly paired with the 1A/1B and 2A/2B ECU outputs. Supports Bi-Polar stepper |

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| Infinity Pin | Hardware Ref. | Hardware Specification | Notes |
|-----------------|---------------|--|---|
| | | | motors only. |
| C1-80 | Stepper 1A | Automotive, Programmable Stepper Driver, up to 28V and ±1.4A | Be sure that each internal coil of the stepper motor are properly paired with the 1A/1B and 2A/2B ECU outputs. Supports Bi-Polar stepper motors only. |



INFINITY "C1" 80 PIN

12 Month Limited Warranty

AEM Performance Electronics warrants to the consumer that all AEM ELECTRONICS products will be free from defects in material and workmanship for a period of twelve months from date of the original purchase. Products that fail within this 12-month warranty period will be repaired or replaced when determined by AEM that the product failed due to defects in material or workmanship. This warranty is limited to the repair or replacement, at AEM's discretion, of the AEM Electronics part. In no event shall this warranty exceed the original purchase price of the AEM ELECTRONICS part nor shall AEM ELECTRONICS be responsible for special, incidental or consequential damages or cost incurred due to the failure of this product.

Warranty claims to AEM ELECTRONICS must be transportation prepaid and accompanied by dated proof of purchase. This warranty applies only to the original purchaser of product and is non-transferable. All implied warranties shall be limited in duration to the said 12-month warranty period. Improper use or installation, accident, abuse, unauthorized repairs or alterations voids this warranty.

AEM ELECTRONICS disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by AEM ELECTRONICS.

Warranty returns will only be accepted by AEM ELECTRONICS when accompanied by a valid Return Merchandise Authorization (RMA) number. Product must be received by AEM ELECTRONICS within 30 days of the date the RMA is issued. UEGO oxygen sensors are considered wear items and are not covered under warranty.

Please note that before AEM ELECTRONICS can issue an RMA for any electronic product, it is first necessary for the installer or end user to contact the tech line at 1-800-423-0046 to discuss the problem. Most issues can be resolved over the phone. Under no circumstances should a system be returned, or an RMA requested before the above process transpires. AEM ELECTRONICS will not be responsible for products that are installed incorrectly, installed in a non-approved application, misused, or tampered with. Fuel Pumps installed with incorrect polarity (+&- wires crossed) will not be warranted. Proper fuel filtration before and after the fuel pump are essential to fuel pump life. Any pump returned with contamination will not be warranted.

Any AEM ELECTRONICS product, excluding discontinued products, can be returned for repair if it is out of the warranty period. There is a minimum charge for inspection and diagnosis of AEM ELECTRONICS parts which are out of warranty. Parts used in the repair of AEM ELECTRONICS electronic components will be extra. AEM ELECTRONICS will provide an estimate of repairs and must receive written or electronic authorization before repairs are made to the product.

Need additional help? Contact the AEM Performance Electronics tech department at 1-800-423-0046 or email us at tech@aemelectronics.com.