

# **ILLUSTRATED CONNECTOR GUIDE**

# **One Wire Pigtail**

Coolant temp, coolant fan. Buick, Cadillac, Chevrolet, Ford, Geo, GMC, Lincoln, Mazda, Mercury, Oldsmobile, Pontiac (1965-2011)



## **EC413**

Oil pressure switch, VVT. Ford, Jaguar, Land Rover, Lincoln, Mazda, Mercury (1996-2019)



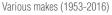
#### **EC711**

Alternator, knock sensor oil pressure switch, VVT. Buick, Cadillac, Chevrolet, GMC, Isuzu, Oldsmobile, Pontiac, Saab, Saturn, Suzuki (1994-2017)



#### **EC2195**

Coolant temp, engine oil temp, oil pressure.





#### EC2310

Alternator, glove box lamp, voltage regulator. Ford, Lincoln, Mercury (1993-2019)



#### EC2470

Starter solenoid.

Chevrolet, Geo, Lexus, Pontiac, Scion, Toyota (1993-2020)



#### FCS<sub>10</sub>

AC compressor, coolant temp, knock sensor.

Various makes (1980-2008)



# **Two Wire Pigtail**

## 2-18445

Fuel injector.

Buick, Cadillac, Chevrolet, Eagle, GMC, Isuzu, Jeep, Oldsmobile, Pontiac (1980-2007)



# 2-18457 / 2-18545

Various sensors.

Various makes (1969-2020)



## 2-18462

Fuel injector, fuel pressure regulator, air pump.

Buick, Cadillac, Chevrolet, Ford, GMC, International, Isuzu, Oldsmobile, Pontiac, Saturn (1982-2012)



## EC11

Various sensors and switches Various makes (1981-2020)



## **EC17**

Various sensors.

Various makes (1982-2022)



# **EC25**

lanition coil.

Buick, Cadillac, Chevrolet, Geo, GMC, Isuzu, Jeep, Oldsmobile, Pontiac (1977-1998)



## **EC26**

Ignition coil.

Buick, Cadillac, Chevrolet, Geo, GMC, Isuzu, Jeep, Oldsmobile, Pontiac (1977-1998)



### **EC66**

Stoplight switch. Ford, Lincoln, Mazda, Mercury,



headlight switch.

Ford, Lincoln, Mazda, Mercury, Merkur (1970-1998)

# **EC139**

vehicle speed.



#### EC256

Coolant temp, cylinder head temp, intake air, side marker lamp.

Ford, Geo, Lexus, Lincoln, Mazda, Mercury, Subaru, Suzuki, Toyota (1989-2018)



#### EC259

Camshaft, crankshaft, canister purge, ignition coil.



#### **EC260**

Coolant temp, idle air, vehicle speed, battery temp.

Various makes (1995-2020)



## **EC264**

ABS, canister vent solenoid, crankshaft, fuel injector, VVT.

Various makes (1995-2022)



Engine coolant fan motor. Ford, Mercury (1995-2000)



## **EC276**

Various sockets. Ford, Lincoln, Mercury (2003-2020)



Headlight, fog lamp. Various makes (1995-2020)



# EC291

Various sockets.

Ford, Lincoln, Mazda, Mercury (1992-2015)



## **EC408**

Buick, Cadillac, Chevrolet, GMC, Hummer, Isuzu, Oldsmobile, Pontiac, Saab, Saturn, Suzuki (2002-2020)



A/C compressor. Ford, Lincoln, Mercury (1981-2009)



## **EC484**

Fuel injector.

Various makes (1998-2009)

Various sensors and pumps.

Various makes (1994-2020)



## **EC491**

FC492

Various makes (1990-2019)



#### FC545

Canister purge, coolant temp, crankshaft,



#### **EC848**

A/C switches, canister purge, EGR, fuel vapor, liftgate, yaw rate sensor. Various makes (1986-2022)



### **EC851**

Blower motor resistor, power seat, rear window defogger Various models (1980-2021)



#### EC913

VVT, ignition coil, knock sensor, park assist.

Various makes (1986-2019)



ABS, camshaft, coolant, knock, vehicle speed.





# EC1027

Various sensors.

Various makes (1985-2021)



## **EC1161**

Headlight, fog lamp. Various makes (2001-2020)



# **EC1173**

Alternator, brake pressure, windshield washer pump, power door lock. Chevrolet, Chrysler, Dodge, Hummer, Jeep, Plymouth (1997-2018)



# EC1183

Various sensors. Various makes (1988-2020)



# EC1257

Blower motor resistor. Chrysler, Dodge, Eagle, Isuzu, Jeep (1993-2013)



# EC1322

Daytime running lamp, fog lamp. Chevrolet, Ford, GMC, Mercury, Mini, Pontiac, Saab, Subaru (2007-2018)



ABS, air charge temp, brake fluid, transmission shift, A/C cut out, windshield washer pump. Chrysler, Dodge, Ford, Jeep, Volkswagen (1999-2019)



## EC1604

Canister vent solenoid. Buick, Cadillac, Chevrolet, GMC, Hummer, Isuzu, Pontiac, Saturn (2000-2021)



## EC1625

Canister vent, coolant temp, coolant fan, cylinder head temp.

Cadillac, Chevrolet, Ford, Jaguar

ABS, alternator, various sockets



Lincoln, Mazda, Mercury (1993-2013)



Various sensors and switches, ignition coil.



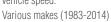
fuel temp, vehicle speed. Various makes (1976-2022)

Various makes (1982-2020)



Choke thermostat, idle air,

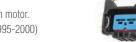
ABS, air suspension solenoid,



Ford, Lincoln, Mazda, Mercury (1989-2020)



**EC267** 



**EC278** 



Diverter valve, knock sensor.



ABS, knock sensor, fog lamp switch.



# Scan for expanded applications and complete product listing





# Two Wire Pigtail (cont.)

#### EC1704

Camshaft, EGR. Ford, Lincoln, Mazda, Mercury (1995-2011)



# EC2194

Fuel injector. Acura, Chevrolet, GMC, Honda, Isuzu, Saturn (1996-2017)



#### **EC2229**

Cam. crankshaft, knock sensor, Chevrolet, Geo, Jaguar, Land Rover, Lexus, Pontiac, Scion, Toyota, Volvo (1990-2019)



Fuel injector, fuel pump, knock sensor, VVT. Various makes (1998-2020)



#### **EC2233**

Crankshaft, fuel injector. Various makes (1988-2021)



# **EC2245**

Various sensors and switches Ford, Lincoln, Mazda, Mercury (1999-2017)



#### EC2343

Coolant temp, engine oil temp. Chrysler, Dodge, Jeep, Mitsubishi, Ram, Volkswagen (2003-2020)



### **EC2406**

Ambient air temp. Ford, Lincoln (2011-2019)



Alternator, coolant fan, starter solenoid, temp sending unit, voltage regulator. Various makes (1982-2012)



## **EC2464**

Canister purge, coolant temp, VVT, idle air, ignition coil, knock, oil pressure switch. Acura, Honda, Isuzu, Nissan, Saturn, Sterling (1985-2016)



## **EC2465**

Camshaft, fuel injector, fuel pump, knock sensor. Various makes (1987-2021)



# **EC2708**

Crankshaft sensor. Lexus, Lotus, Pontiac, Scion, Toyota (2000-2020)



## EC2740

Camshaft, canister purge. Ford, Lincoln, Mazda, Mercury (2005-2020)



# **EC2759**

Canister purge, coolant temp, VVT, fuel injector, ignition coil. Various makes (2007-2021)



## LS6247

Headlight.

Various makes (1957-2018)



# LS6494

Four wheel drive actuator, headlight. Various makes (1987-2020)



## **TCS300**

Air charge temp, camshaft, crankshaft, VVT.



Various makes (1959-1990)





#### **VRA142**

Alternator

AMC, Buick, Cadillac, Chevrolet, GMC, International, Oldsmobile, Pontiac (1959-1988)



### VRC38

Park and turn signal socket. Voltage regulator. Chrysler, Dodge, Plymouth (1961-1993)



# Three Wire Pigtail

### **EC10**

Camshaft, crankshaft, fuel pressure, ignition coil, MAP, oil pressure, ride height, vehicle speed



#### **EC89**

Various sensors and switches Buick, Cadillac, Chevrolet, Dodge, Eagle, Ford, GMC, International, Isuzu, Oldsmobile, Pontiac (1990-2004)



#### **EC101**

Alternator, voltage regulator. Buick, Cadillac, Chevrolet, GMC Oldsmobile, Pontiac (1986-1999)



#### EC111

Various sensors. Various makes (1983-2020)



#### EC134

Headlight, socket connector. Ford, Lincoln, Mercury (1990-2006)



#### FC187

Back-up light switch, neutral safety switch. AMC, Chrysler, Dodge, International, Jeep, Mitsubishi, Plymouth, Renault, Toyota (1969-2004)



Various sensors and switches Buick, Cadillac, Chevrolet, Dodge, Eagle, GMC, Jeep, Pontiac, Renault (1983-2007)



## **EC235**

Various sensors and pumps Cadillac, Chrysler, Dodge, Fiat, Jeep, Plymouth, Ram (1993-2017)



# **EC261**

Various sensors, alternator, voltage regulator.

Cadillac, Chevrolet, Ford, Jaguar, Lincoln, Mazda, Mercury, Pontiac, Saab, Saturn (1995-2019)



## **EC277**

Headlight Fits H13.9008



# **EC283**

Various sockets. Ford, Lincoln, Mercury (2003-2014)



## **EC424**

Camshaft crankshaft MAP throttle position, turbocharger boost. Various makes (1983-2020)



Ignition coil, various sensors. Various makes (1993-2020)



# **EC995**

Crankshaft, park assist. Various makes (2006-2020)



# EC1612

Crankshaft, MAP, neutral safety switch, back-up light.







# **ECHLIN**

## EC1733

A/C pressure switch, alternator, cooling fan, G Force, ignition coil. Chrysler, Dodge, Jeep, Mitsubishi, Ram (1998-2020)



#### **EC2000**

Camshaft, distributor pick-up assembly Chrysler, Dodge, Jeep, Mitsubishi (1995-2008)



## EC2174

Camshaft, crankshaft, diesel fuel rail, fuel tank pressure, vehicle speed. Ford, Land Rover, Lincoln, Mazda, Mercury (2004-2022)



#### FC2181

Cam, crankshaft, fuel vapor leak detection pump, ignition coil, map sensor. Various makes (1996-2021)



#### EC2183

Daytime running lamp, ignition coil, power steering module. Ford, Lincoln, Mazda, Mercury (2007-2020)



Camshaft, crankshaft, ignition coil, MAP, oil pressure, throttle position. Acura, Chevrolet, GMC, Honda, Pontiac, Saturn, Scion, Toyota (1981-2018)



# **EC2230**

EC2359

Map, crankshaft, fuel vapor, ignition coil, throttle position. Various makes (1983-2020)

Camshaft, crankshaft, power steering

Acura, Chevrolet, Dodge, Infiniti, Jeep,



# Nissan, Plymouth, Subaru (1993-2020) EC2397

Ignition coil. Ford, Lincoln (2011-2020)

pressure, vehicle speed.



## **EC2422**

Diesel particulate, four wheel drive actuator, fuel pressure, ignition coil, active grille shutter. Various makes (1991-2021)



## EC2437

Ignition coil. Acura, Honda, Saturn (1999-2012)



## **EC2440**

Ignition coil. Saab, Subaru (2003-2012)



# EC2443

Camshaft sensor. Infiniti, Nissan, Suzuki (2000-2020)



## EC2444

Toyota (1999-2021)

A/C compressor, alternator, fuel pressure voltage regulator.



## EC2445 Ambient light sensor, coolant fan motor,

Infiniti, Lexus, Nissan, Scion, Suzuki,

fuel pump, parking brake actuator. Ford, Lincoln (2010-2020)



# **EC2468**

EGR, fuel tank pressure, MAP, throttle position. Acura, Honda, Isuzu (1988-2005)



# EC2702

Camshaft, crankshaft, fuel pressure. BMW, Morgan, Rolls-Royce (2002-2020)





#### **EC2737**

Camshaft, crankshaft, fuel pressure. Buick, Chevrolet, Lexus, Mazda, Pontiac, Saturn, Scion, Toyota (2005-2022)



#### **EC2743**

Camshaft, crankshaft, fuel pressure. Ford, Infiniti, Nissan (2006-2020)



# ICC1

Ignition coil. Ford, Lincoln, Mazda, Mercury, Merkur (1977-1998)



#### LS6235

Fuel injector, fuel pump, knock sensor, VVT. Various makes (1998-2020)



### LS6479

3 prong headlight. Various makes (1957-2020)



### **VRC441**

Alternator, Coolant level, windshield washer level, voltage regulator. Ford, Lincoln, Mazda, Mercury, Merkur (1974-2011)



# **Four Wire Pigtail**

## EC4

Blower motor resistor. Ford, Lincoln, Mazda, Mercury (1981-2018)



#### **EC70**

Blower motor, A/C switch Ford, Lincoln, Mercury (1986-2017)



## **EC97**

Neutral safety switch, oxygen sensor. Ford, Lincoln, Mazda, Mercury (1987-2012)



## **EC113**

Various sensors and switches Various makes (1980-2015)



## **EC186**

Crankshaft, engine speed, ignition coil, MAP, misfire, vehicle speed.

Acura, Buick, Cadillac, Chevrolet, GMC, Honda, Isuzu, Pontiac (1988-2021)



## **EC246**

A/C switches, fuel pressure sensor, power steering pressure switch. Dodge, Ford, Lincoln, Mazda, Mercury, Nissan (1991-2018)



## EC850

Blower motor resistor, various switches. Buick, Cadillac, Chevrolet, Ford, GMC, Lincoln, Mercury, Oldsmobile, Pontiac, Saturn, Toyota (1983-2019)



## FC1016

A/C controls, blower motor resistor, various relays. Various makes (1967-2018)



## EC1261

Blower motor resistor. Ford, Infiniti, Lincoln, Mazda, Mercury, Nissan, Suzuki (2004-2019)



## EC1284

Throttle body, fuel pressure, MAP, throttle position. Ford, Lincoln, Mazda, Mercury





#### EC2351

Audi, Dodge, Freightliner, Land Rover, Mercedes-Benz, Mini, Porsche Volkswagen, Volvo (1992-2020)



#### **EC2438**

Ignition coil

Buick, Cadillac, Chevrolet, Lexus, Pontiac, Toyota, Volvo (1998-2021)



#### EC2469

Alternator, voltage regulator. Acura, Honda, Toyota (1996-2015)



# **Five Wire Pigtail**

#### **EC23**

Various relays. Various makes (1971-2017)



## EC1116

Blower motor resistor, various switches. Buick, Cadillac, Chevrolet, Ford, GMC, Lincoln, Mercury, Oldsmobile, Pontiac, Saturn (1993-2015)



#### EC2741

Mass air flow

Audi, BMW, Chrysler, Dodge, Freightliner, Kia, Land Rover, Mercedes-Benz, Porsche, Volkswagen (1995-2015)



# Six Wire Pigtail

#### **EC418**

ABS control module, blower motor resistor. Buick, Chevrolet, GMC, Oldsmobile, Pontiac (1992-2018)



#### EC1243

Throttle body, throttle position. Buick, Cadillac, Chevrolet, GMC, Hummer, Isuzu, Pontiac, Saab, Saturn, Suzuki (2004-2015)



# EC1420

EGR, power window motor, taillight, windshield wiper motor.

Chrysler, Dodge, Jeep, Plymouth, Ram, Volkswagen (1997-2015)



## **EC2274**

Electronic throttle body, mass air flow, throttle position.

Ford, Lincoln, Mazda, Mercury (2002-2018)



## **EC2423**

Blower motor resistor. Fiat, Ford, Jeep, Lincoln, Mazda, Mini, Nissan, Subaru (2008-2018)



Accelerator pedal, throttle body. Hyundia, Infiniti, Kia, Lexus, Mazda, Nissan, Scion, Subaru, Toyota (2001-2021)



# Seven Wire Pigtai

## **EC397**

Blower motor resistor. power door lock, power seat. Buick, Cadillac, Chevrolet, GMC Oldsmobile, Pontiac, Saturn (1995-2009)



# **Eight Wire Pigtail**

# EC2418

Blind spot detection, mass air flow. Buick, Cadillac, Chevrolet, Dodge, Ford, GMC, Jeep, Lincoln, Nissan (2012-2019)



# Nine Wire Pigtail

#### FC<sub>6</sub>

Headlight switch. Ford, Lincoln, Mazda, Mercury (1977-2008)



# **Socket**

Stoplight, taillight, turn signal



### EC1232

Parking, stoplight, taillight, turn signal. Buick, Chevrolet, GMC, Pontiac



## EC1611

Turn signal, side marker, back-up light, license plate Ford, Lincoln, Mazda, Mercury (1992-2015)



#### LS2040

Fog light, side marker. Chevrolet, Dodge, Mitsubishi (1997-2010)



#### LS2193

Dodge, Jeep, Ram (2002-2019)



turn signal. Ford, Lincoln (2010-2019)



Rear combination, stoplight, taillight, turn signal. Chrysler, Dodge (2007-2010)



## LS2502

Parking, turn signal. Chrysler (2001-2010)





Dodge (2002-2010)





## LS2510

Parking, turn signal. Ford, Lincoln (2004-2017)





Parking light, turn signal. Toyota (1997-2020)





## Back-up. Honda (1998-2019)

LS2517

Ford (1999-2015)





# LS2551

Rear combination light, stoplight, taillight turn signal.



Chrysler, Dodge, Ram (2008-2016)















Back-up light, center stoplight, license plate, side marker.



# LS2294



Parking, turn signal.











Side marker.

Chrysler, Dodge, Jeep (2001-2007)





Chevrolet, Pontiac (1995-2005)



(1996-2017)









LS2290 Parking, stoplight, taillight,





LS2506





# LS2512

LS2513







# Socket (cont.)

#### LS2553

Rear combination light, stoplight, taillight turn signal.







Acura, Honda (1996-2014)



#### LS6104

LS2567

Parking, stoplight, taillight, turn signal.





## LS6105

Parking, stoplight, taillight, turn signal.

Ford, Lincoln, Mercury (1990-2010)



# LS6110

Parking, side marker, stoplight, turn signal.

Ford, Lincoln, Mercury (1996-2005)





### LS6111

Back-up, license plate, parking, turn signal.

Ford, Mercury (1995-2003)





#### LS6118

Parking, side marker, stoplight, taillight,

Chrysler, Dodge, Eagle, Jeep, Plymouth, Toyota (1996-2007)



## LS6500

Instrument panel light. Buick, Cadillac, Chevrolet, Chrysler, Dodge, Eagle, Ford, GMC, Jeep, Lincoln, Mercury, Pontiac (1955-1997)



# LS6501

Instrument panel Light. American Motors, Buick, Cadillac, Chevrolet, Chrylser, Dodge, Ford, GMC, Oldsmobile, Plymouth, Pontiac (1957-1990)



## LS6568

Back-up, parking, turn signal. Ford, Lincoln, Mazda, Mercury (1993-2008)



## LS6583

Back-up light, stoplight, taillight, turn signal.

Ford, Mercury (2004-2010)





## LS6589

Taillight, turn signal, stoplight, parking, cornering.

Ford, Lincoln, Mercury (2003-2016)





## LS6591 Stoplight, taillight, turn signal. Ford (1997-2005)

LS6607

Parking, turn signal.

Buick (2000-2005)





# **Two Wire Socket**

## **EC1218**

Back-up, cornering, taillight. Buick, Chevrolet, GMC, Oldsmobile, Pontiac (2002-2008)



## **HWH100**

Cornering, daytime running light, fog light, headlight. Various makes (1995-2014)



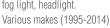
#### **HWH101**

Headlight, fog light daytime running light. Various makes (2002-2014)



#### **HWH102**

Cornering light, daytime running light, fog light, headlight.



#### **HWH104**

Daytime running light, fog light, headlight. Various makes (1987-2017)



#### **HWH109**

Headlight. Various makes (2002-2015)



#### LS2511

Headlight, fog light.

Acura, Audi, BMW, GM, Chrysler, Freightliner, Isuzu, Saab (1958-2017)



## LS6114

Back-up, parking, rear combination, turn signal.

Chevrolet, Chrysler, Dodge, Pontiac (1955-1975)



#### LS6255

Various sockets. Acura, Honda, Nissan, Toyota (1971-1995)



#### LS6261

Back-up, cornering, side marker, stoplight, turn signal. Cadillac, Ford, Lincoln, Mercury (1981-1991)



#### LS6450

Back-up, cornering, parking light, stoplight, taillight, turn signal. Buick, Cadillac, Chevrolet, GMC Oldsmobile, Pontiac (1969-1992)



## LS6465

Back-up, stoplight, taillight, turn signal. American Motors, Chrysler, Dodge, Ford, Mercury, Plymouth, Pontiac (1965-1995)



# LS6481

Various sockets Buick, Cadillac, Chevrolet, GMC, Oldsmobile, Pontiac, Renault (1977-2005)



# LS6506

Various light sockets. Buick, Cadillac, Chevrolet, GMC, Hummer, Jeep, Oldsmobile, Pontiac, Saturn (1992-2017)



## LS6513

License plate, side marker. Buick, Cadillac, Chevrolet, GMC, Nissan, Oldsmobile, Pontiac (1982-2003)



## LS6516

Back-up, cornering, turn signal. Buick, Cadillac, Chevrolet, GMC Oldsmobile, Pontiac (1990-2006)



# LS6597

Various sockets. Ford, Lincoln, Mazda, Mercury (1983-2016)



# Three Wire Socket

## **EC270**

Parking, rear combination, stoplight, taillight, turn signal. Ford, Mercury (1974-1994)



#### FC1222

Back-up, daytime running light, parking, stoplight, turn signal. Cadillac, GMC, Pontiac, Saturn (2001-2008)



### EC1223

Parking, turn signal. Chevrolet, Oldsmobile, Pontiac (2002-2005)



#### **HWH105**

Headlight. Various makes (1984-2013)



#### **HWH106**

Daytime running light, headlight. Various makes (1987-2019)



# **HWH107**

Cornering light, daytime running light, fog light, headlight. Various makes (1978-2014)



## LS6253

Parking, rear combination, stoplight, taillight, turn signal.

Acura, Honda, Mercury, Nissan, Subaru, Toyota (1968-1996)



#### LS6259

Parking, stoplight, taillight, turn signal. Chrysler, Dodge, Mitsubishi (1989-2010)



### LS6461

Various lighting positions. Buick, Cadillac, Chevrolet, GMC, Oldsmobile, Pontiac (1967-1999)



# LS6514

Various lighting positions. Buick, Cadillac, Chevrolet, Ford, GMC, Olsmobile, Pontiac (1989-2007)



# LS6517

Various lighting positions. Cadillac, Chevrolet, GMC, Oldsmobile, Pontiac (1988-2009)



# LS6593

Parking, stoplight, taillight, turn signal. Chrysler, Dodge, Mitsubishi



## LS6594

(1989-2010)

Parking, turn signal. Cadillac, Chevrolet, GMC, Saturn (1999-2008)



NAPAEchlin.com

