

LPE 100 mm MAF sensor flow curves v1.0.xls

| 1994-1997 LT1 Y & F<br>PCM |        | 1997-1998 LS1 Y & F<br>PCM |        | 1999-2004 Y, F & CK<br>PCM |        | 2005-2006 LS2<br>Corvette, GTO ECM |        |
|----------------------------|--------|----------------------------|--------|----------------------------|--------|------------------------------------|--------|
| Hertz                      | GPS    | Hertz                      | GPS    | Hertz                      | GPS    | Hertz                              | G/S    |
| 1488                       | 3.15   | 1500                       | 3.18   | 1500                       | 3.18   | 1000                               | 2.14   |
| 1616                       | 3.55   | 1625                       | 3.58   | 1625                       | 3.58   | 1150                               | 2.37   |
| 1744                       | 4.02   | 1750                       | 4.04   | 1750                       | 4.04   | 1300                               | 2.67   |
| 1872                       | 4.56   | 1875                       | 4.57   | 1875                       | 4.57   | 1450                               | 3.04   |
| 2000                       | 5.18   | 2000                       | 5.18   | 2000                       | 5.18   | 1600                               | 3.50   |
| 2128                       | 5.88   | 2125                       | 5.86   | 2125                       | 5.86   | 1750                               | 4.04   |
| 2256                       | 6.67   | 2250                       | 6.63   | 2250                       | 6.63   | 1900                               | 4.69   |
| 2384                       | 7.55   | 2375                       | 7.49   | 2375                       | 7.49   | 2050                               | 5.44   |
| 2512                       | 8.54   | 2500                       | 8.44   | 2500                       | 8.44   | 2200                               | 6.31   |
| 2640                       | 9.63   | 2625                       | 9.50   | 2625                       | 9.50   | 2350                               | 7.31   |
| 2768                       | 10.83  | 2750                       | 10.65  | 2750                       | 10.65  | 2500                               | 8.44   |
| 2896                       | 12.15  | 2875                       | 11.92  | 2875                       | 11.92  | 2650                               | 9.72   |
| 3024                       | 13.59  | 3000                       | 13.31  | 3000                       | 13.31  | 2800                               | 11.15  |
| 3152                       | 15.15  | 3125                       | 14.81  | 3125                       | 14.81  | 2950                               | 12.74  |
| 3280                       | 16.85  | 3250                       | 16.44  | 3250                       | 16.44  | 3100                               | 14.50  |
| 3408                       | 18.69  | 3375                       | 18.21  | 3375                       | 18.21  | 3250                               | 16.44  |
| 3536                       | 20.68  | 3500                       | 20.10  | 3500                       | 20.10  | 3400                               | 18.57  |
| 3664                       | 22.81  | 3625                       | 22.14  | 3625                       | 22.14  | 3550                               | 20.90  |
| 3792                       | 25.09  | 3750                       | 24.33  | 3750                       | 24.33  | 3700                               | 23.43  |
| 3920                       | 27.54  | 3875                       | 26.66  | 3875                       | 26.66  | 3850                               | 26.18  |
| 4048                       | 30.15  | 4000                       | 29.15  | 4000                       | 29.15  | 4000                               | 29.15  |
| 4176                       | 32.94  | 4125                       | 31.81  | 4125                       | 31.81  | 4150                               | 32.36  |
| 4304                       | 35.90  | 4250                       | 34.63  | 4250                       | 34.63  | 4300                               | 35.80  |
| 4432                       | 39.04  | 4375                       | 37.62  | 4375                       | 37.62  | 4450                               | 39.50  |
| 4560                       | 42.37  | 4500                       | 40.79  | 4500                       | 40.79  | 4600                               | 43.45  |
| 4688                       | 45.90  | 4625                       | 44.14  | 4625                       | 44.14  | 4750                               | 47.68  |
| 4816                       | 49.62  | 4750                       | 47.68  | 4750                       | 47.68  | 4900                               | 52.18  |
| 4944                       | 53.55  | 4875                       | 51.41  | 4875                       | 51.41  | 5050                               | 56.96  |
| 5072                       | 57.69  | 5000                       | 55.33  | 5000                       | 55.33  | 5200                               | 62.04  |
| 5200                       | 62.04  | 5125                       | 59.46  | 5125                       | 59.46  | 5350                               | 67.42  |
| 5328                       | 66.62  | 5250                       | 63.80  | 5250                       | 63.80  | 5500                               | 73.12  |
| 5456                       | 71.42  | 5375                       | 68.35  | 5375                       | 68.35  | 5650                               | 79.14  |
| 5584                       | 76.45  | 5500                       | 73.12  | 5500                       | 73.12  | 5800                               | 85.48  |
| 5712                       | 81.72  | 5625                       | 78.11  | 5625                       | 78.11  | 6000                               | 94.47  |
| 5840                       | 87.23  | 5750                       | 83.33  | 5750                       | 83.33  | 6200                               | 104.09 |
| 5968                       | 92.99  | 5875                       | 88.78  | 5875                       | 88.78  | 6400                               | 114.34 |
| 6096                       | 99.01  | 6000                       | 94.47  | 6000                       | 94.47  | 6600                               | 125.26 |
| 6224                       | 105.28 | 6125                       | 100.41 | 6125                       | 100.41 | 6800                               | 136.87 |
| 6352                       | 111.82 | 6250                       | 106.59 | 6250                       | 106.59 | 7000                               | 149.19 |
| 6480                       | 118.63 | 6375                       | 113.02 | 6375                       | 113.02 | 7200                               | 162.23 |
| 6608                       | 125.72 | 6500                       | 119.72 | 6500                       | 119.72 | 7400                               | 176.02 |
| 6736                       | 133.08 | 6625                       | 126.68 | 6625                       | 126.68 | 7600                               | 190.59 |
| 6864                       | 140.74 | 6750                       | 133.91 | 6750                       | 133.91 | 7800                               | 205.94 |
| 6992                       | 148.68 | 6875                       | 141.41 | 6875                       | 141.41 | 8000                               | 222.10 |
| 7120                       | 156.93 | 7000                       | 149.19 | 7000                       | 149.19 | 8200                               | 239.10 |
| 7248                       | 165.47 | 7125                       | 157.25 | 7125                       | 157.25 | 8400                               | 256.95 |
| 7376                       | 174.33 | 7250                       | 165.61 | 7250                       | 165.61 | 8600                               | 275.68 |
| 7504                       | 183.50 | 7375                       | 174.26 | 7375                       | 174.26 | 8800                               | 295.30 |

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| 1994-1997 LT1 Y & F<br>PCM |        |
|----------------------------|--------|
| 7632                       | 192.99 |
| 7760                       | 202.80 |
| 7888                       | 212.95 |
| 8016                       | 223.43 |
| 8144                       | 234.26 |
| 8272                       | 245.43 |
| 8400                       | 256.95 |
| 8528                       | 268.84 |
| 8656                       | 281.08 |
| 8784                       | 293.70 |
| 8912                       | 306.69 |
| 9040                       | 320.06 |
| 9168                       | 333.82 |
| 9296                       | 347.97 |
| 9424                       | 362.51 |
| 9552                       | 377.46 |
| 9680                       | 392.82 |
| 9808                       | 408.58 |
| 9936                       | 424.77 |
| 10064                      | 441.38 |
| 10192                      | 458.42 |
| 10320                      | 475.90 |
| 10448                      | 493.82 |
| 10576                      | 511.99 |
| 10704                      | 511.99 |
| 10832                      | 511.99 |
| 10960                      | 511.99 |
| 11088                      | 511.99 |
| 11216                      | 511.99 |

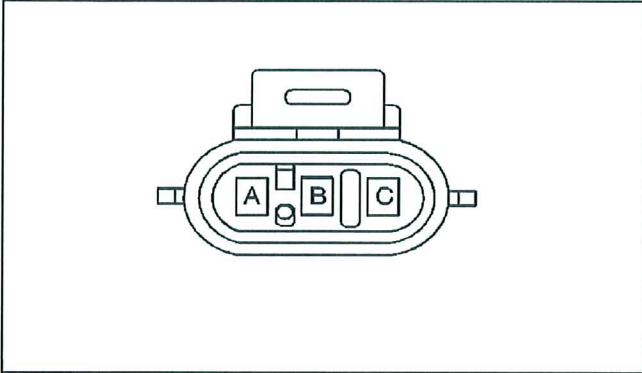
| 1997-1998 LS1 Y & F<br>PCM |        |
|----------------------------|--------|
| 7500                       | 183.21 |
| 7625                       | 192.46 |
| 7750                       | 202.03 |
| 7875                       | 211.91 |
| 8000                       | 222.10 |
| 8125                       | 232.63 |
| 8250                       | 243.48 |
| 8375                       | 254.68 |
| 8500                       | 266.21 |
| 8625                       | 278.08 |
| 8750                       | 290.31 |
| 8875                       | 302.90 |
| 9000                       | 315.84 |
| 9125                       | 329.15 |
| 9250                       | 342.84 |
| 9375                       | 356.90 |
| 9500                       | 371.34 |
| 9625                       | 386.17 |
| 9750                       | 401.39 |
| 9875                       | 417.00 |
| 10000                      | 433.02 |
| 10125                      | 449.45 |
| 10250                      | 466.29 |
| 10375                      | 483.55 |
| 10500                      | 501.23 |
| 10625                      | 511.99 |
| 10750                      | 511.99 |
| 10875                      | 511.99 |
| 11000                      | 511.99 |
| 11125                      | 511.99 |
| 11250                      | 511.99 |

| 1999-2004 Y, F & CK<br>PCM |        |
|----------------------------|--------|
| 7500                       | 183.21 |
| 7625                       | 192.46 |
| 7750                       | 202.03 |
| 7875                       | 211.91 |
| 8000                       | 222.10 |
| 8125                       | 232.63 |
| 8250                       | 243.48 |
| 8375                       | 254.68 |
| 8500                       | 266.21 |
| 8625                       | 278.08 |
| 8750                       | 290.31 |
| 8875                       | 302.90 |
| 9000                       | 315.84 |
| 9125                       | 329.15 |
| 9250                       | 342.84 |
| 9375                       | 356.90 |
| 9500                       | 371.34 |
| 9625                       | 386.17 |
| 9750                       | 401.39 |
| 9875                       | 417.00 |
| 10000                      | 433.02 |
| 10125                      | 449.45 |
| 10250                      | 466.29 |
| 10375                      | 483.55 |
| 10500                      | 501.23 |
| 10625                      | 511.99 |
| 10750                      | 511.99 |
| 10875                      | 511.99 |
| 11000                      | 511.99 |
| 11125                      | 511.99 |
| 11250                      | 511.99 |
| 11375                      | 511.99 |
| 11500                      | 511.99 |
| 11625                      | 511.99 |
| 11750                      | 511.99 |
| 11875                      | 511.99 |
| 12000                      | 511.99 |

| 2005-2006 LS2<br>Corvette, GTO ECM |        |
|------------------------------------|--------|
| 9000                               | 315.84 |
| 9200                               | 337.32 |
| 9400                               | 359.76 |
| 9600                               | 383.17 |
| 9800                               | 407.59 |
| 10000                              | 433.02 |
| 10200                              | 459.50 |
| 10400                              | 487.05 |
| 10600                              | 511.99 |
| 10800                              | 511.99 |
| 11000                              | 511.99 |
| 11200                              | 511.99 |
| 11400                              | 511.99 |
| 11600                              | 511.99 |
| 11800                              | 511.99 |
| 12000                              | 511.99 |
| 12200                              | 511.99 |

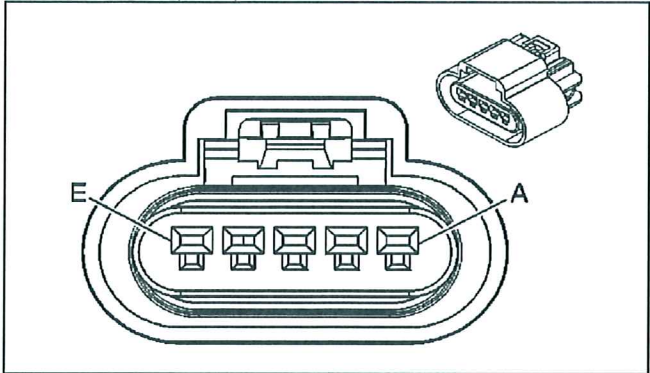
1994-2000 Y & F to LPE

Mass Air Flow (MAF) Sensor



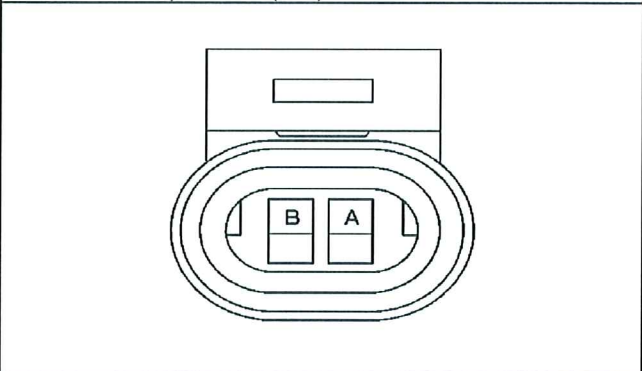
| 1994-2000 Corvette & F-body connector |            |             |                   |
|---------------------------------------|------------|-------------|-------------------|
| Pin                                   | Wire Color | Circuit No. | Function          |
| A                                     | YEL        | 492         | MAF Sensor Signal |
| B                                     | BLK/WHT    | 451         | Ground            |
| C                                     | PNK        | 339         | Ignition Feed     |

Mass Air Flow (MAF) Sensor



| LPE 4" MAF sensor/connector |                    |
|-----------------------------|--------------------|
| Pin                         | Function           |
| A                           | MAF Sensor Signal  |
| B                           | Ground             |
| C                           | Ignition 1 Voltage |

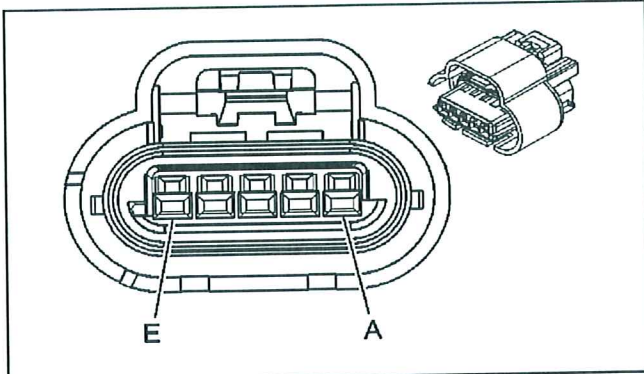
Intake Air Temperature (IAT) Sensor



| 1994-2000 Corvette & F-body connector |            |             |  |
|---------------------------------------|------------|-------------|--|
| Pin                                   | Wire Color | Circuit No. | Function                                     |
| A                                     | PPL        | 719         | Intake Air Temperature (IAT) Sensor - Ground |
| B                                     | TAN        | 472         | Intake Air Temperature (IAT) Sensor - Signal |

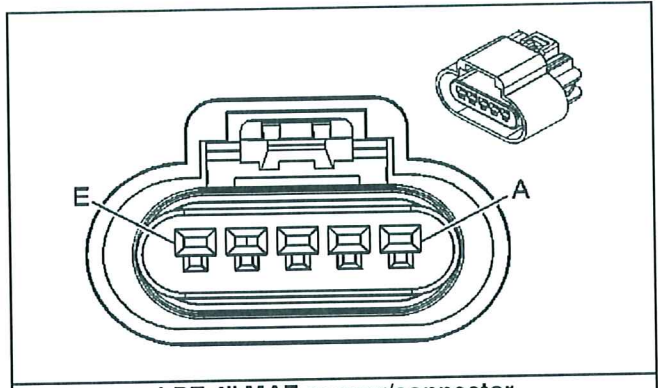
| LPE 4" MAF sensor/connector |                   |
|-----------------------------|-------------------|
| Pin                         | Function          |
| E                           | Low Reference     |
| D                           | IAT Sensor Signal |

01-04 C5 to LPE



2001-2004 C5 Corvette connector

| Pin | Wire Color | Circuit No. | Function           |
|-----|------------|-------------|--------------------|
| A   | PPL        | 719         | Low Reference      |
| B   | TAN        | 472         | IAT Sensor Signal  |
| C   | BLK/WHT    | 451         | Ground             |
| D   | PNK        | 339         | Ignition 1 Voltage |
| E   | YEL        | 492         | MAF Sensor Signal  |

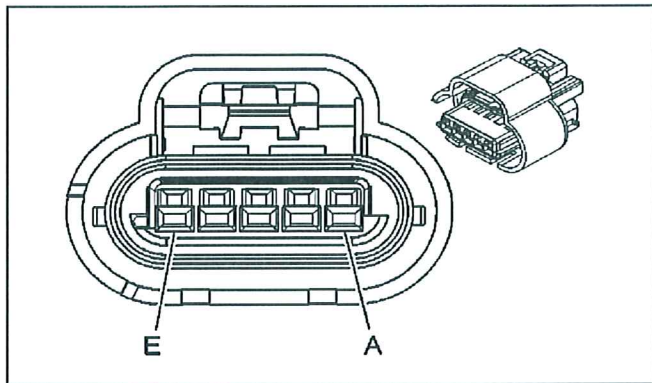


LPE 4" MAF sensor/connector

| Pin | Function           |
|-----|--------------------|
| E   | Low Reference      |
| D   | IAT Sensor Signal  |
| B   | Ground             |
| C   | Ignition 1 Voltage |
| A   | MAF Sensor Signal  |

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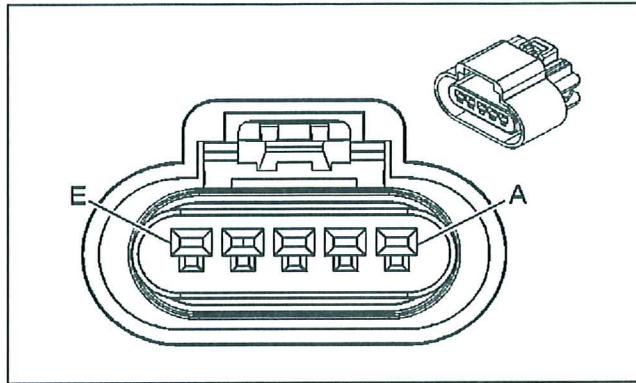
05-06 LS2 to LPE



2005-2006 LS2 Corvette connector

| Pin | Wire Color | Circuit No. | Function           |
|-----|------------|-------------|--------------------|
| A   | TN         | 2760        | Low Reference      |
| B   | TN         | 472         | IAT Sensor Signal  |
| C   | BK/WH      | 451         | Ground             |
| D   | PK         | 539         | Ignition 1 Voltage |
| E   | YE         | 492         | MAF Sensor Signal  |

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LPE 4" MAF sensor/connector

| Pin | Function           |
|-----|--------------------|
| E   | Low Reference      |
| D   | IAT Sensor Signal  |
| B   | Ground             |
| C   | Ignition 1 Voltage |
| A   | MAF Sensor Signal  |