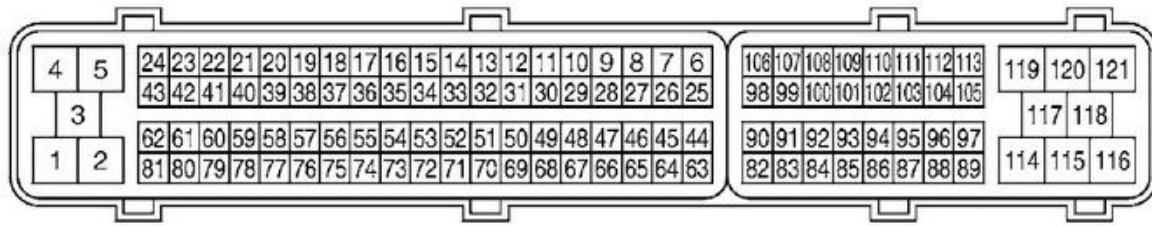




## Syvecs S12 Pinouts



|    |  |    |                           |
|----|--|----|---------------------------|
| 1  | POWER GROUND                             | 41 | FUEL #04                  |
| 2  | IGNITION #01                             | 42 | BATTERY SUPPLY            |
| 3  | IGNITION #02                             | 43 | POWER GROUND              |
| 4  | IGNITION #03                             | 44 | INPUT #27 (5V)            |
| 5  | IGNITION #04                             | 45 | 5V OUT #02                |
| 6  | INPUT #25 (5V)                           | 46 | KNOCK #02                 |
| 7  | KNOCK #04                                | 47 | THERMO + #01              |
| 8  | KNOCK GROUND                             | 48 | INPUT #23 (TH)            |
| 9  | THERMO + #02                             | 49 | INPUT #20 (5V)            |
| 10 | INPUT #21 (TH)                           | 50 | INPUT #16 (5V/TH/BI/FREQ) |
| 11 | INPUT #18 (5V)                           | 51 | SENSOR GROUND #02         |
| 12 | INPUT #14 (5V/TH/BI/FREQ)                | 52 | INPUT #09 (5V/TH/BI/FREQ) |
| 13 | INPUT #11 (5V/TH/BI/FREQ)                | 53 | INPUT #05 (5V/TH/BI/FREQ) |
| 14 | INPUT #07 (5V/TH/BI/FREQ)                | 54 | SENSOR GROUND #01         |
| 15 | INPUT #04 (5V/TH/BI/FREQ)                | 55 | LAMBDA V #02              |
| 16 | INPUT #01 (5V/TH/BI/FREQ) <sup>(1)</sup> | 56 | CAN LO #03                |
| 17 | LAMBDA I #01                             | 57 | COMMS GROUND              |
| 18 | CAN LO #02                               | 58 | CAN HI #01                |
| 19 | RS232 TX                                 | 59 | LAN TX -                  |
| 20 | LAN RX -                                 | 60 | FUEL #05                  |
| 21 | FUEL #07                                 | 61 | FUEL #01                  |
| 22 | FUEL #03                                 | 62 | H-BRIDGE #05              |
| 23 | BATTERY SUPPLY                           | 63 | INPUT #28 (5V)            |
| 24 | POWER GROUND                             | 64 | 10V OUT <sup>(2)</sup>    |
| 25 | INPUT #26 (5V)                           | 65 | KNOCK #03                 |
| 26 | 5V OUT #01                               | 66 | THERMO - #02              |
| 27 | KNOCK #01                                | 67 | INPUT #24 (TH)            |
| 28 | THERMO - #01                             | 68 | SENSOR GROUND #02         |
| 29 | INPUT #22 (TH)                           | 69 | INPUT #17 (5V)            |
| 30 | INPUT #19 (5V)                           | 70 | INPUT #13 (5V/TH/BI/FREQ) |
| 31 | INPUT #15 (5V/TH/BI/FREQ)                | 71 | INPUT #10 (5V/TH/BI/FREQ) |
| 32 | INPUT #12 (5V/TH/BI/FREQ)                | 72 | INPUT #06 (5V/TH/BI/FREQ) |
| 33 | INPUT #08 (5V/TH/BI/FREQ)                | 73 | INPUT #03 (5V/TH/BI/FREQ) |
| 34 | SENSOR GROUND #01                        | 74 | LAMBDA I #02              |
| 35 | INPUT #02 (5V/TH/BI/FREQ)                | 75 | LAMBDA GROUND             |
| 36 | LAMBDA V #01                             | 76 | CAN HI #02                |
| 37 | CAN HI #03                               | 77 | CAN LO #01                |
| 38 | RS232 RX                                 | 78 | LAN TX +                  |
| 39 | LAN RX +                                 | 79 | FUEL #06                  |
| 40 | FUEL #08                                 | 80 | FUEL #02                  |
|    |  | 81 | H-BRIDGE #06              |

<sup>(1)</sup> INPUT #01 TH utilises a 47K pull-up, all other TH inputs utilise a 3K pull-up

<sup>(2)</sup> Variable voltage supply pin - maximum current capability of 15mA

|     |                |     |              |
|-----|----------------|-----|--------------|
| 82  | H-BRIDGE #01   | 102 | FUEL #14     |
| 83  | PWM #04        | 103 | FUEL #18     |
| 84  | PWM #08        | 104 | FUEL #22     |
| 85  | FUEL #12       | 105 | POWER GROUND |
| 86  | FUEL #16       | 106 | H-BRIDGE #04 |
| 87  | FUEL #20       | 107 | PWM #01      |
| 88  | FUEL #24       | 108 | PWM #05      |
| 89  | BATTERY SUPPLY | 109 | FUEL #09     |
| 90  | H-BRIDGE #02   | 110 | FUEL #13     |
| 91  | PWM #03        | 111 | FUEL #17     |
| 92  | PWM #07        | 112 | FUEL #21     |
| 93  | FUEL #11       | 113 | POWER GROUND |
| 94  | FUEL #15       | 114 | IGNITION #05 |
| 95  | FUEL #19       | 115 | IGNITION #06 |
| 96  | FUEL #23       | 116 | IGNITION #07 |
| 97  | POWER GROUND   | 117 | IGNITION #08 |
| 98  | H-BRIDGE #03   | 118 | IGNITION #09 |
| 99  | PWM #02        | 119 | IGNITION #10 |
| 100 | PWM #06        | 120 | IGNITION #11 |
| 101 | FUEL #10       | 121 | IGNITION #12 |