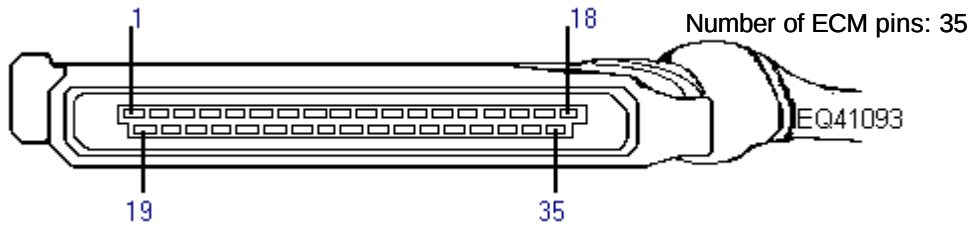


# Pin Tables Copyright Equiptech



| Pin | Connection                       | Test condition                                                                                     | Volts/Duty Cycle etc                                                                 |
|-----|----------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 1   | amplifier control signal: t5&6   | cranking/running                                                                                   | switching 0 to nbv                                                                   |
| 2   | TS idle contact : t2             | ignition on/running<br>throttle closed<br>throttle part/fully open                                 | zero<br>5.0 ± 0.1                                                                    |
| 3   | TS full load contact : t3        | ignition on/running<br>throttle closed/part open<br>throttle fully open                            | 5.0 ± 0.1<br>zero                                                                    |
| 4   | diagnostic socket : t2           |                                                                                                    |                                                                                      |
| 5   | earth                            | ignition on/running                                                                                | 0.25 max                                                                             |
| 6   | AFS return: t4                   | ignition on/running                                                                                | 0.25 max                                                                             |
| 7   | AFS signal: t2                   | ignition on<br>Idle<br>2000 rpm<br>3000 rpm<br>snap accelerate                                     | 0.20 to 0.30<br>0.75 to 1.50<br>1.75 to 2.25<br>2.00 to 2.50<br>3.00 to 4.50         |
| 8   | unused                           |                                                                                                    |                                                                                      |
| 9   | AFS supply: t3                   | ignition on/running                                                                                | 5.0 ± 0.1                                                                            |
| 10  | unused                           |                                                                                                    |                                                                                      |
| 11  | unused                           |                                                                                                    |                                                                                      |
| 12  | diagnostic socket : t1           |                                                                                                    |                                                                                      |
| 13  | CTS signal: t2                   | ignition on/running<br>ignition on/running                                                         | 5.0 ± 0.1<br>20°C 3.00 to 3.50                                                       |
| 14  | injectors (pulse): t1            | ignition on<br>cranking cold<br>running cold<br>cranking warm<br>running warm<br>snap acceleration | nbv<br>11.0 to 12.0 ms<br>3.0 to 3.5 ms<br>4.0 to 4.5+ ms<br>2.0 to 2.5 ms<br>6.0 ms |
| 15  | unused                           |                                                                                                    |                                                                                      |
| 16  | earth                            | ignition on/running                                                                                | 0.25 max                                                                             |
| 17  | fascia warning lamp: t3          | ignition on:<br>no faults present<br>faults present                                                | nbv<br>0.25 max<br>0.25 max                                                          |
| 18  | battery positive: t30            | ignition off/on/running                                                                            | nbv                                                                                  |
| 19  | earth                            | ignition on/running                                                                                | 0.25 max                                                                             |
| 20  | fuel pump relay driver: t2 (t85) | ignition on<br>cranking/running                                                                    | nbv<br>1.25 max                                                                      |
| 21  | unused                           |                                                                                                    |                                                                                      |
| 22  | ATS signal (AFS: t5)             | ignition on/running                                                                                | 20°C 3.5 to 3.75                                                                     |
| 23  | CAS: t2                          | engine running                                                                                     | 0.25 max                                                                             |
| 24  | unused                           |                                                                                                    |                                                                                      |
| 25  | CAS: t1                          | cranking:<br>Idle:<br>cruise:                                                                      | AC 4.0v+ (peak to peak)<br>AC 8.0v+ (peak to peak)<br>AC 14.0v+ (peak to peak)       |
| 26  | unused                           |                                                                                                    |                                                                                      |
| 27  | unused                           |                                                                                                    |                                                                                      |
| 28  | unused                           |                                                                                                    |                                                                                      |
| 29  | unused                           |                                                                                                    |                                                                                      |
| 30  | CO pot (AFS: t1)                 | ignition on/Idle                                                                                   | 2.45 ± 0.5                                                                           |

# Pin Tables Copyright Equiptech

|    |                          |                                         |                      |
|----|--------------------------|-----------------------------------------|----------------------|
| 31 | unused                   |                                         |                      |
| 32 | unused                   |                                         |                      |
| 33 | ISCV: t1                 | ignition on<br>switching volts variable | nbv                  |
|    |                          | cold:                                   | 6.0 to 6.5           |
|    |                          | hot:                                    | 7.0 to 9.0           |
|    |                          | frequency                               | 100 to 110           |
|    |                          | engine cold:                            | duty cycle 56 to 58% |
|    |                          | engine hot:                             |                      |
|    |                          | no load                                 | duty cycle 40 to 44% |
|    |                          | under load                              | duty cycle 44 to 50% |
| 34 | unused                   |                                         |                      |
| 35 | nbv from relay: t5 (t87) | ignition on/running                     | nbv                  |

< END >