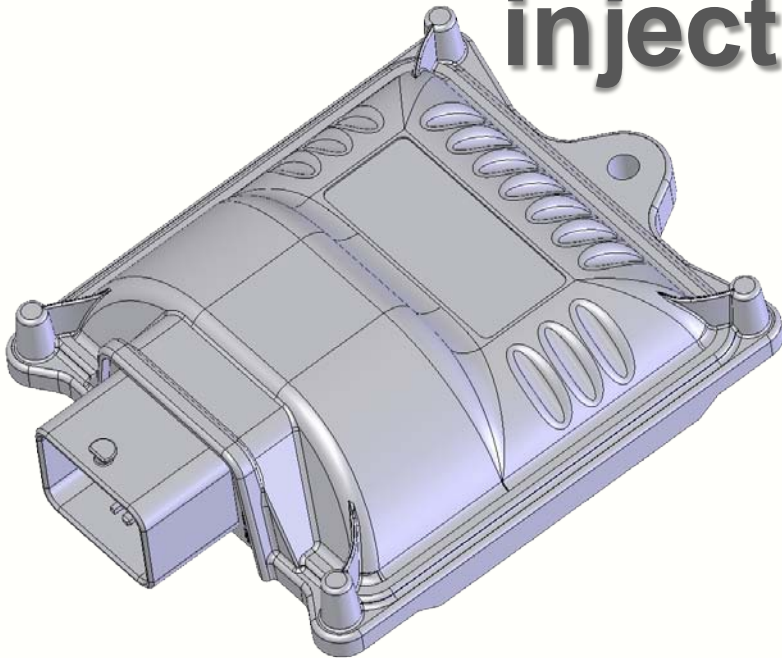


MP32

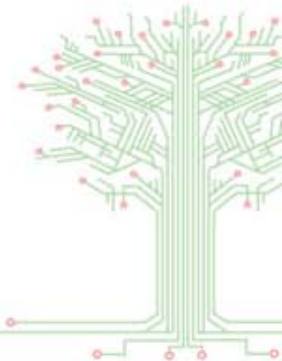
**Sequential Multipoint
injection 3-4 cyl**



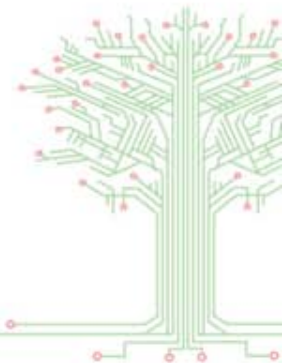
Beltrami Marco

Cavriago, 18th July 2012

- ❑ Supply voltage: $V_{\text{batt}} = 10 \div 16\text{V}$
- ❑ Working Temperature Range: $-40 \div 105^{\circ}\text{C}$
- ❑ Quiescent current (actuators inhibited): $I_{\text{max}} \leq 0.5\text{A}$
- ❑ Quiescent Current in standby: $I_{\text{standby}} \leq 5\text{mA}$
- ❑ Injectors: $I_{\text{max}} = 6\text{A}$, $V_{\text{batt,max}} = 16\text{V}$
- ❑ Gas Valves (2 output):
 $P_{\text{max}} = 50\text{W}$, $I_{\text{max}} = 4\text{A}$ (single common output)



- ❑ Gas Pressure Sensor: AEB025
- ❑ MAP Sensor: AEB025, Original
- ❑ Water Temperature Sensor: 4K7, Original
- ❑ Gas Level Sensor: AEB, 0-90 Ω , not standard, not standard inverted



MP32 vs other ECUs

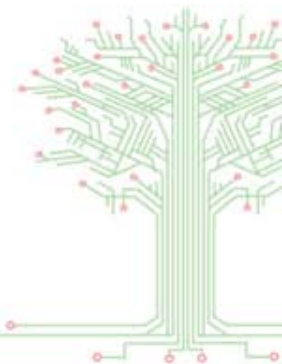
Feature	AEB2001NC	MP48OBD	MP48	MP32
Extended map (12x12)	✓	✓	✓	✓
Progressive petrol to gas swicth	✓	✓	✓	X
Petrol addition management (idle, addition, high RPM)	✓	✓	✓	X
Diagnosys on gas injectors	✓	✓	✓	✓
Real time diagnosys on petrol injectors connection	✓	✓	✓	✓
Diagnosys on sensors and change over swicth	✓	✓	✓	✓
Gas injectors enable/disable for diagnostic purpose	✓	✓	✓	X
RPM reading from negative coil or Injection time	✓	✓	✓	injection time only

MP32 vs other ECUs

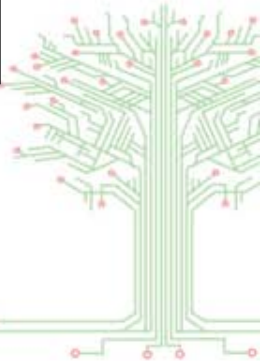
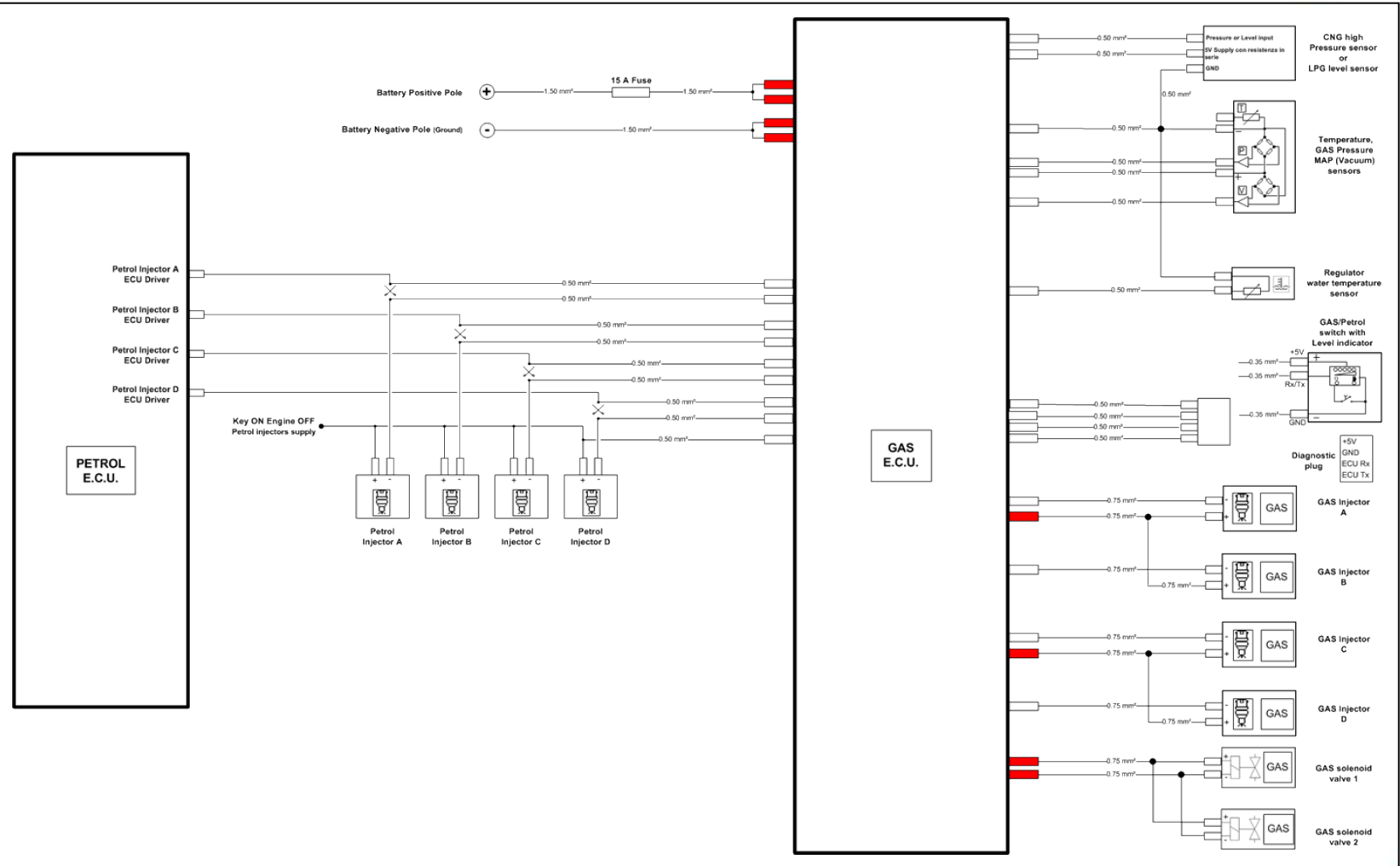
Feature	AEB2001NC	MP48OBD	MP48	MP32
Split fuel option	✓	✓	✓	X
Start & Stop vehicle management	✓	✓	✓	✓
Lambda probe reading and emulation	✓ (two channel)	✓ (one channel)	✓ (just reading one channel)	X
Linear Lambda probe emulation (UEGO)	✓	✓	X	X
OBD II Adaptivity	✓	✓	X	X
Low standby current (Iq < 10µA)	✓	✓	X	X
EV diagnosys	✓	✓	X	X
AEB linear gas level sensor (Cartesio Hall Effect)	X	✓	X	X

Interchangeable

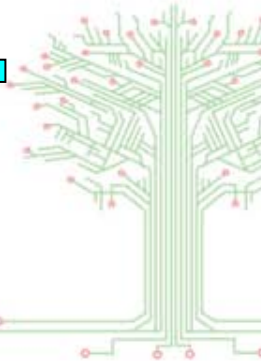
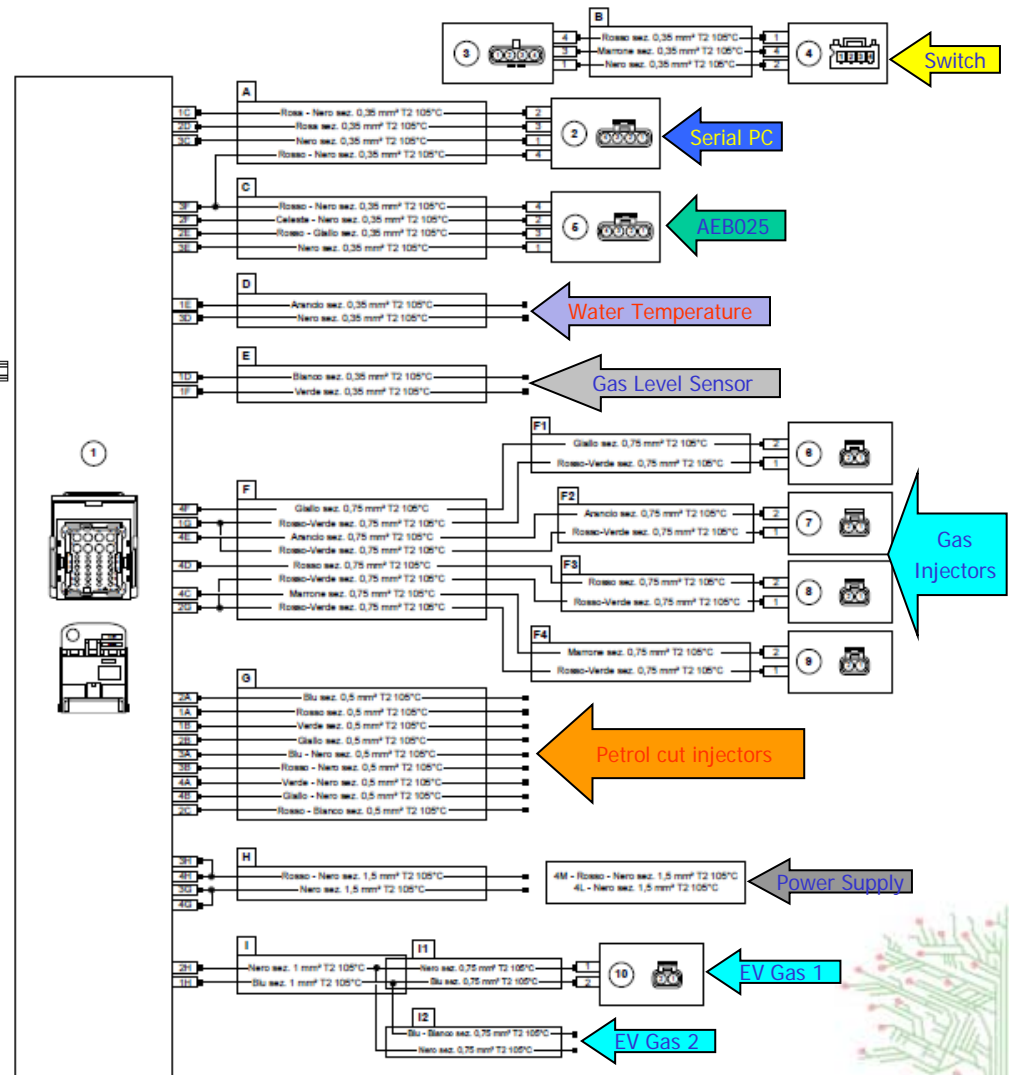
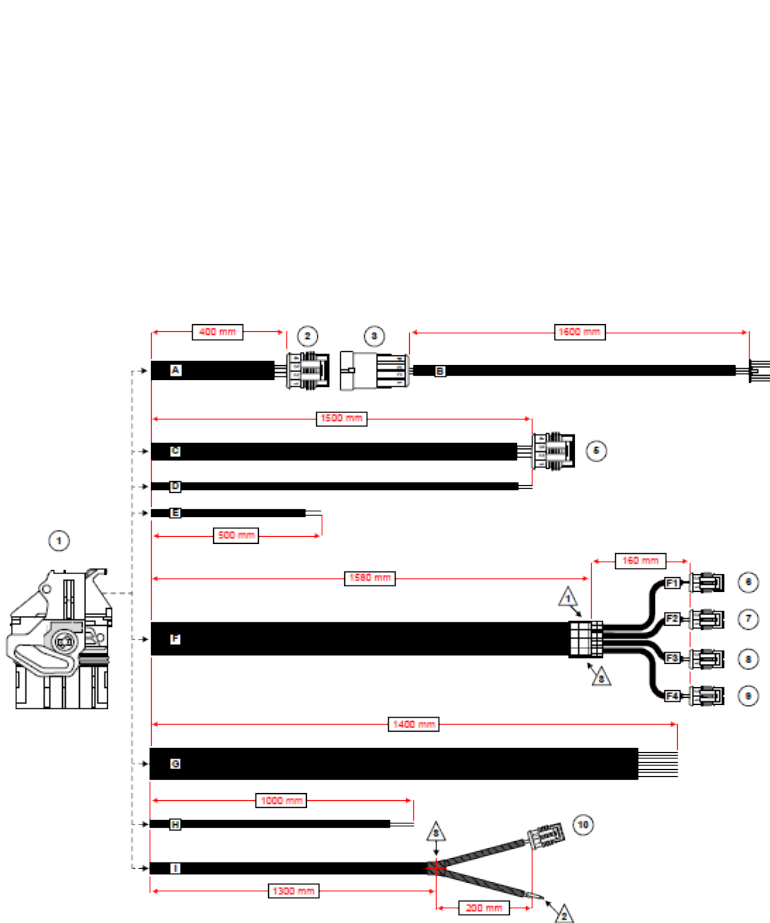
- ❑ Compatibility with actual software (V>x.x.x) ✓
- ❑ Compatibility with actual configurations ✓
- ❑ Compatibility with actual kits X
- ❑ Compatibility with actual harnesses X
- ❑ Compatibility with actual firmwares X

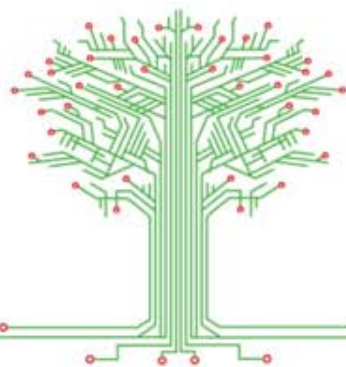


Diagram



Harness drawing





A.E.B. S.P.A. a socio unico

Via dell'Industria 20 | 42025 Cavriago (RE) | Italia
Ph. +39 0522 494401 | fax +39 0522 494410 | info@aeb.it | www.aeb.it