

## General notes about the connectors used for the electric system. Ver.

### Beta 01

#### Introduction

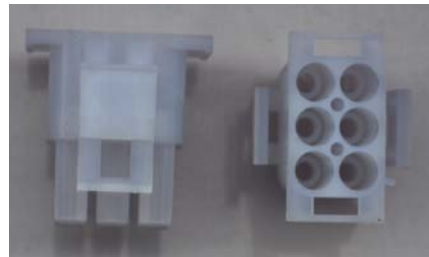
The following application note gives an overview of the connectors used for wiring the distributed intelligence system installed on Timore motor homes in the 1998/99 season.

#### Type of Connectors

Power supply

The floating connectors that interface with the power supply can be:

Ref.	Manufacturer	Model	Connector Code	Contacts Code
Figure 1	AMP	Mate-N-Lok 3x2	1/480704/0	35000923-3 (4 mm <sup>2</sup> )



**Figure 1 "Floating connector Mate-N-Lok 3x2"**

The connectors shown in Figure 1 are used for connecting to the power supply sources of energy such as service and engine batteries, alternator signal (D+) and for energy distribution in the home cell (see AS 0000).

Ref.	Manufacturer.	Model	Connector Code	Contacts Code
Figure 2	AMP	Mate-N-Lok 2x1	1/480698/0	35000923-3 (4 mm <sup>2</sup> )



**Figure 2 "Floating connector Mate-N-Lok 2x1"**

This type of floating connector is used for connecting to the power supply communication wires (A and B) (see application note AS 0000) and for the connection of solar panels (see AS 0002) without using the external regulator.

Display Panel (Control Unit)

The floating connectors used for connection to the the display panel (control unit) are:

Ref.	Manufacturer.	Model	Connector Code	Contacts Code
Figure 3	MOLEX	MiniFit 2x2	5557-04R	MLX 5556-T



**Figure 3 "Floating connector MiniFit 2x2"**

This floating connector serves for connecting the supply (+12 V) and the communication wires (A B) to the control unit at the same time (see application note AS 0003)

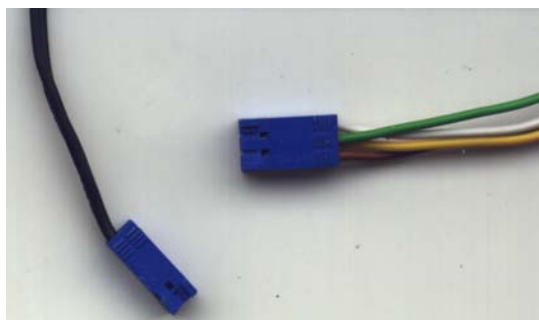
Node Ver.5.31

The floating connectors that interface with nodes Ver.5.31 may be:

Ref.	Manufacturer.	Model	Connector Code	Contacts Code
Figure 3	MOLEX	MiniFit 2x2	5557-04R	MLX 5556-T

This connector serves for connecting the supply (+12 V) and the communication wires (A B) to the node at the same time (see AS0004), as well as for connecting loads such as bulbs and its own switch at the node output (see As 0004).

Ref.	Manufacturer.	Model	Connector Code	Contacts Code
Figure 4	BERG	Berg 2x2	BRG 65239 - 003	BRG 76347 – 412
Figure 4	BERG	Berg 3x2	BRG 65239 – 003	BRG 76347 – 412



**Figure 4 "Floating connector Berg 2x2 e 3x2"**

These two connectors serve respectively for:

- 2x2 for connecting remote switches (entrance switches) and overflow sensors (see AS 0004)
- 3x2 for connecting the connection of the drain water level sensor to the node (see AS 0004).