

**Y-VES**  
VEHICLE ETHERNET SYSTEM



**Y-VES**  
VEHICLE  
ETHERNET  
SYSTEM

[WWW.YAMAICHI.DE](http://WWW.YAMAICHI.DE)

## YAMAICHI VEHICLE ETHERNET SYSTEM

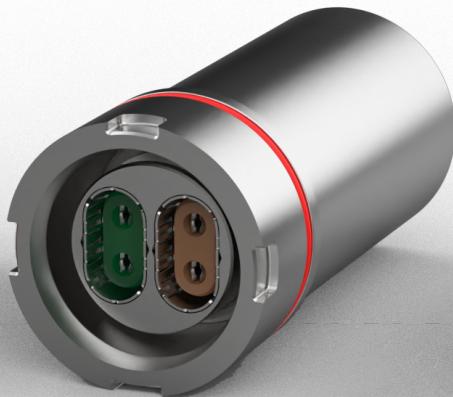
Y-VES is a system specially developed for Ethernet applications in commercial vehicles, construction machinery and other heavy-duty vehicles. It combines high data transfer rates with robust construction and meets the requirements of the automotive industry.

The Y-VES system can be implemented in existing power and signal connections.  
The system consist of male, female and cable module.

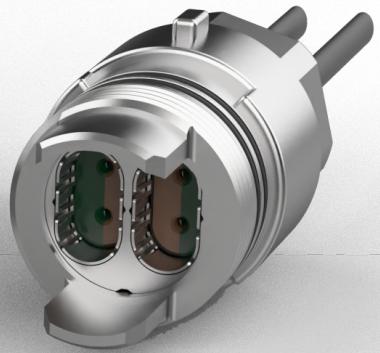
Male Module



Female Module



Cable Module

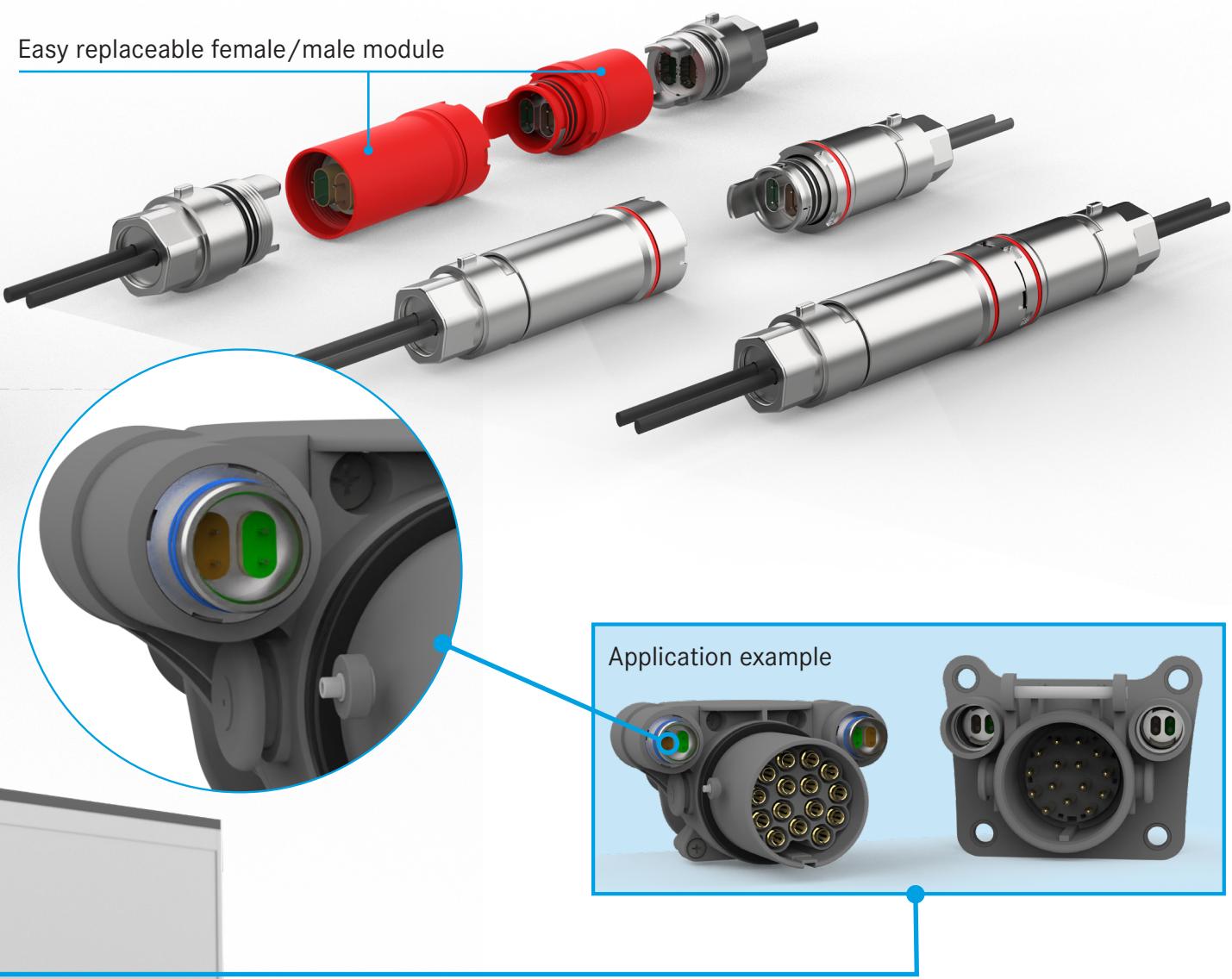


## ADVANTAGES

- Male and female module are exchangeable, while the cable module is assembled via crimp contacts to the cable tree
- Two SPE connections per connector, easy differentiation per colour coding
- Easy assembly system between male and female module just by plugging, between cable modules and other modules by screwing

## TECHNICAL SPECIFICATION

- Data rate 1000BaseT1
- IP69K in mated conditions, IP67 unmated
- 5000 Mating cycles between male and female module
- Qualified based on MIL-STD-810H, SAE J560, SAE J 1455, TC9



# Y-VES VEHICLE ETHERNET SYSTEM



## SERIOUSLY CONNECTED



Based on our wide product range Yamaichi Electronics offers many solutions which are dedicated to automotive applications. Products which have a reliable design and functionality, especially for the rough environmental and mechanical conditions in automotive use.

This includes board to cable connectors, e.g. for battery applications, board to board connectors, High speed data ethernet connectors and standard I/O connectors like Fakra, Minifakra and HSD's.

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