

**Y-LOCK**  
PULLFORCE



**Y-LOCK**  
**BATTERY**  
**SOLUTIONS**

# Y-LOCK SERIES

## THE SMART BATTERY SOLUTION

### FEATURES

The Y-LOCK connector family is combining a space saving and process securing design with smart and reliable technology. The connector system is designed for applications with tough requirements and is able to fulfill a large spectrum of tasks in regard to mechanical, climatic and electrical specifications.

Already available in 3 different versions and successfully established on the market, we are going to launch the new version 4 with new features, especially adapted to the needs for Battery Systems.

The special feature of all Y-LOCK versions is the One-Push-Lock mechanism. I.e. the FFC is plugged in and locks

either by itself or via a stiffener, which provides additional locking and guiding functions. To remove the FFC, it is not necessary – as is normally the case with NON-ZIF systems – to operate an unlocking device, but it is sufficient to pull out the FFC with a defined amount of force.



The Y-LOCK system has been qualified based on LV214 and is fully suitable for automotive use. A wide range of pitch and pin count variants is available.

For special applications, customer-specific variants are also available.

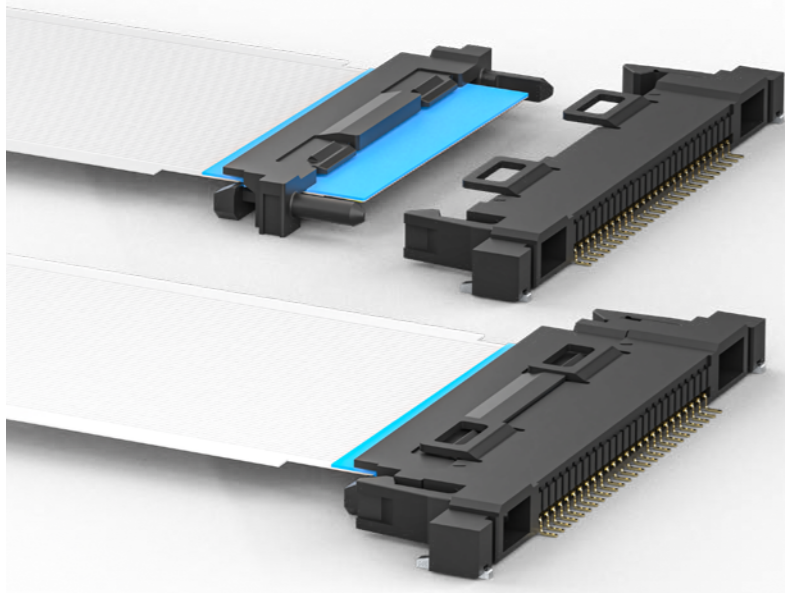
### ADVANTAGES Y-LOCK SYSTEM

- Y-Lock design is a one-push lock/pullforce system with double locking feature and optional CPA
- Qualified based on LV214
- Space saving low profile design
- Robust design for manual or fully automatic assembly
- Different versions for different customer applications available

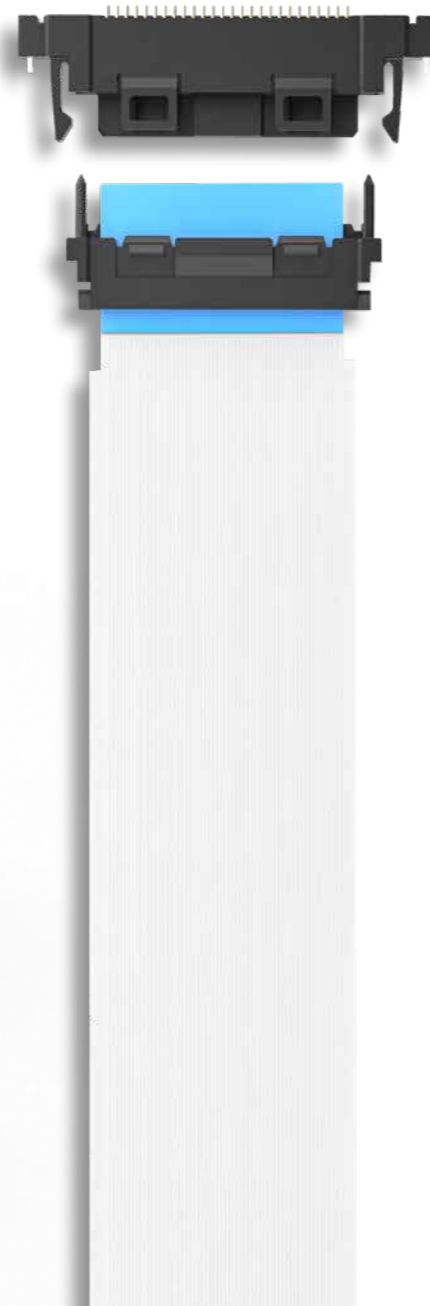
### WHICH VERSION TO CHOOSE?

#### Y-LOCK V3

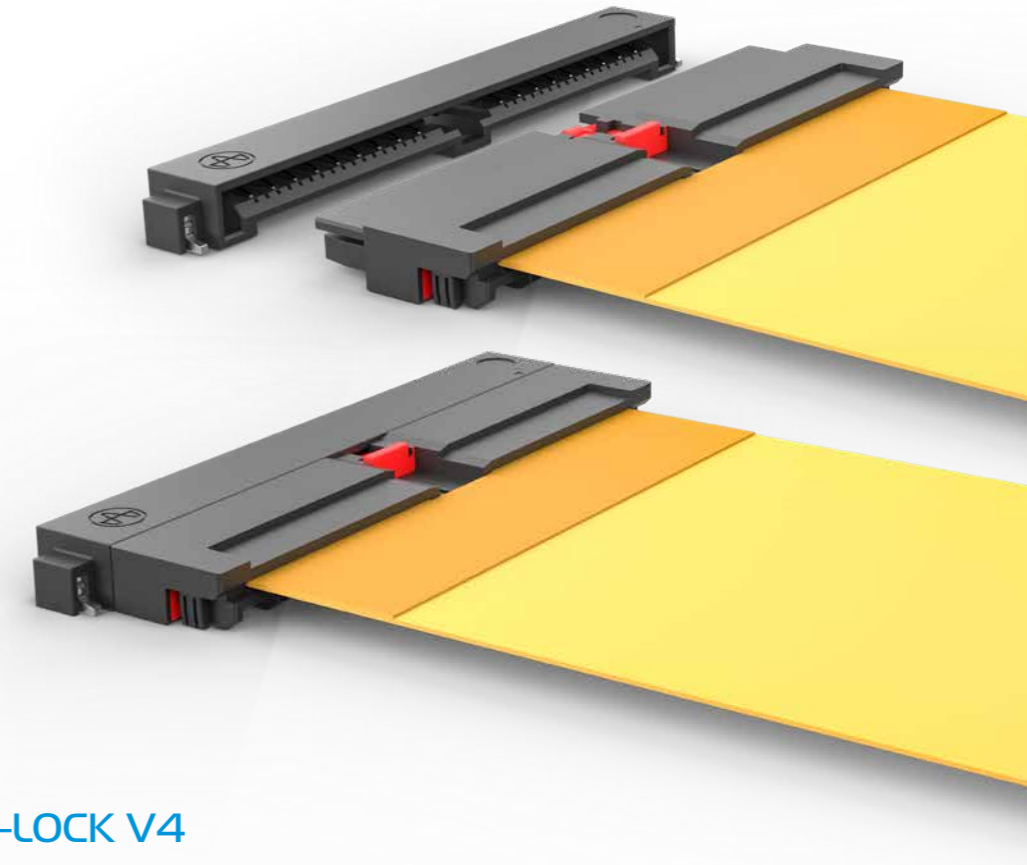
- Double locking system with frontal and lateral locking latches
- Blind mating system
- PokaYoke mating
- Useable for FFC and FPC
- Gold plated version (Tin plated version on request)
- Low profile height with 3.9 mm
- 90° version with 1 mm or 2 mm pitch and 20/10 pins
- Further versions on request



#### VERSION 3

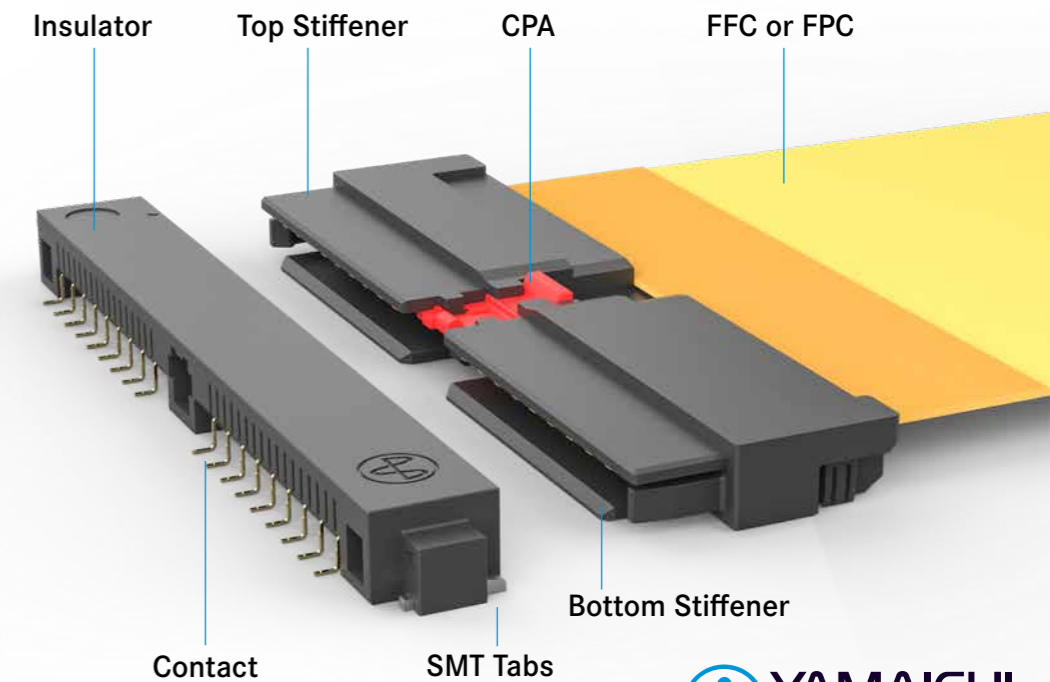


#### VERSION 4



#### Y-LOCK V4

- Double locking system with frontal and lateral locking latches and optional CPA
- PokaYoke mating
- Useable for FFC and FPC
- Tin plated cost saving design
- Koshiri protection/touch protection for cable side
- Low profile with 4,5 mm, design adapted to FPC tolerances
- Customized design for different pitches and pin counts
- 90° Version



The FFC production line in Frankfurt (Oder)



## Y-LOCK BATTERY SOLUTIONS

YED-V2-2|3

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