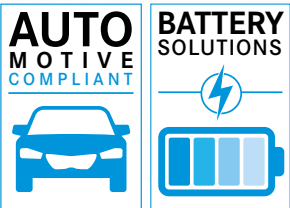
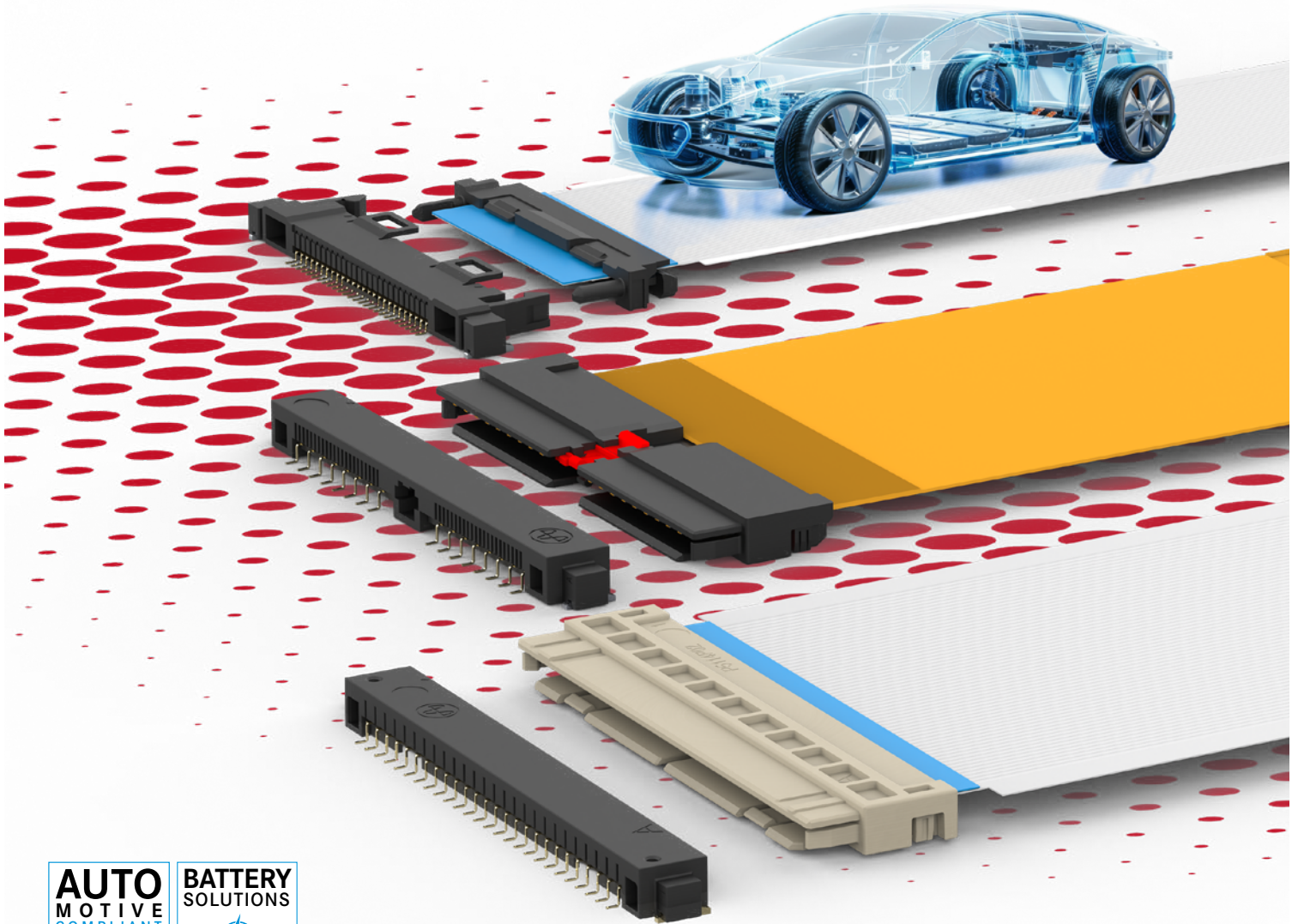


INTERNAL CONNECTORS



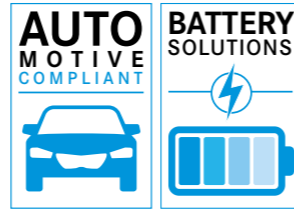
Y-LOCK
PULLFORCE



NON-ZIF
BOARD-TO-CABLE-CONNECTOR

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.

Available in different versions and successfully established on the market. We developed the Version 3 and 4 with special design features, especially adapted to the needs for Battery Systems and for further Automotive and industrial applications.

The special feature of all Y-LOCK versions is the One-Push-Lock mechanism. I.e. the FFC is plugged in and locks 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. The series is available in different pin count and pitches.

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

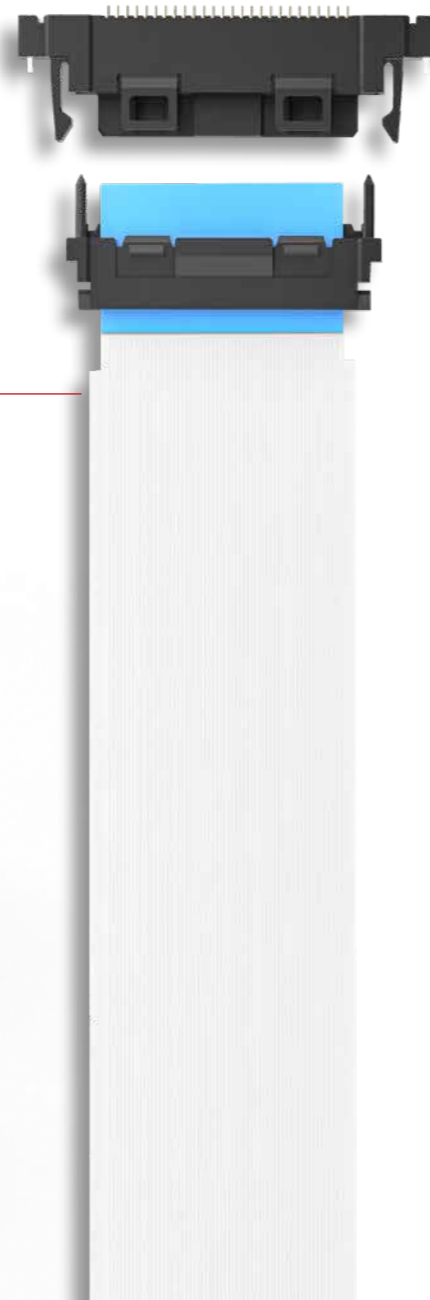
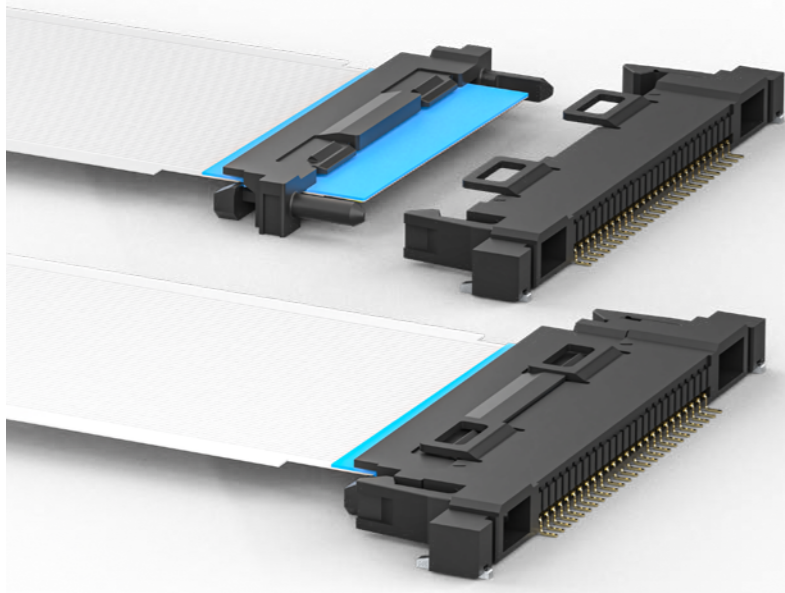
Yamaichi is also offering customized FFC's as single or bundling solution.

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

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

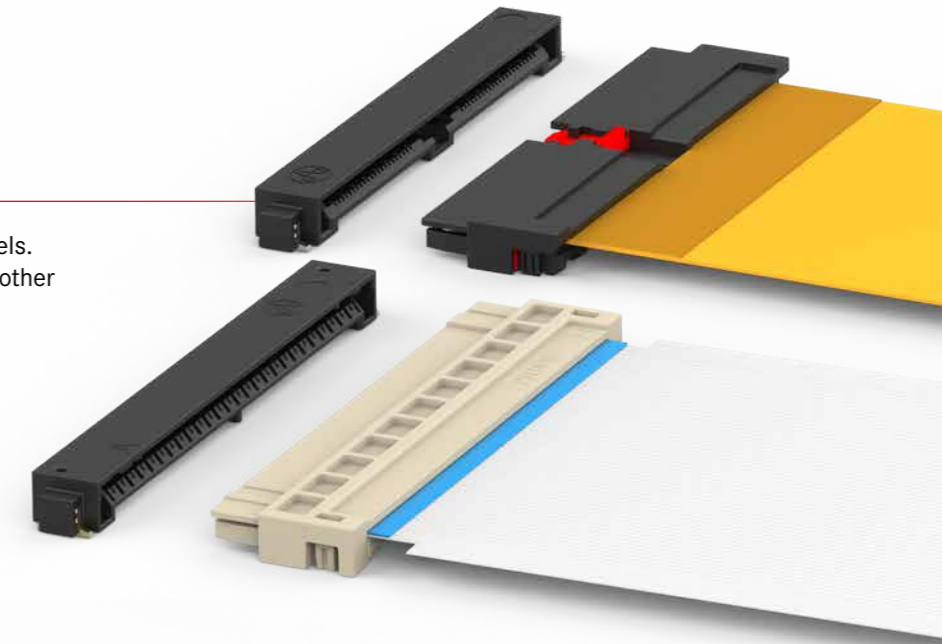


Y-LOCK V4

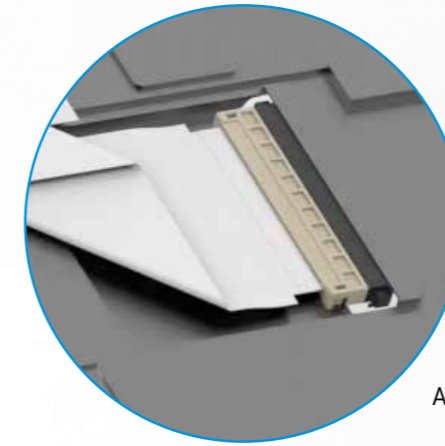
The Y-Lock V4 is available in two different models. We have one variation with optional CPA and another one without CPA.

GENERAL FEATURES

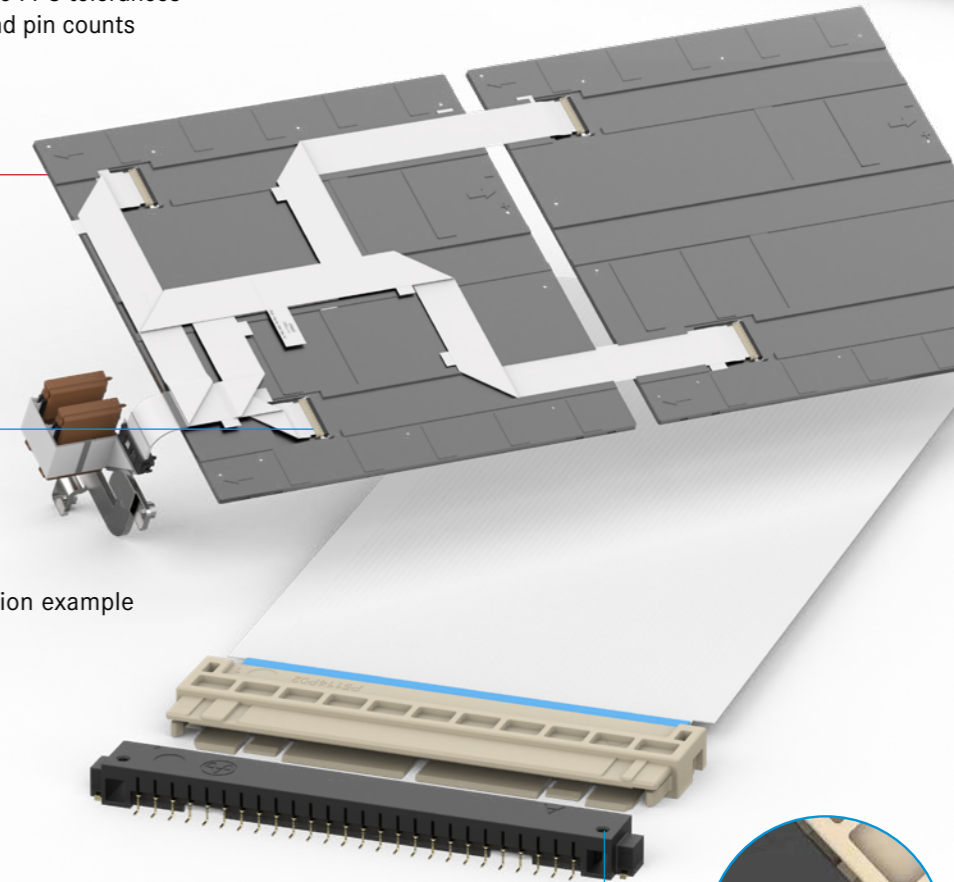
- Double locking system with vertical and lateral locking latches
- PokaYoke mating
- Useable for FFC and FPC
- Available with Tin or Gold plating
- Koshiri protection/touch protection for cable and connector side
- Low profile with 4,5 mm, design adapted to FPC tolerances
- Customized design for different pitches and pin counts
- 90° Version



Y-LOCK V4 STANDARD



Application example



SPECIAL FEATURES

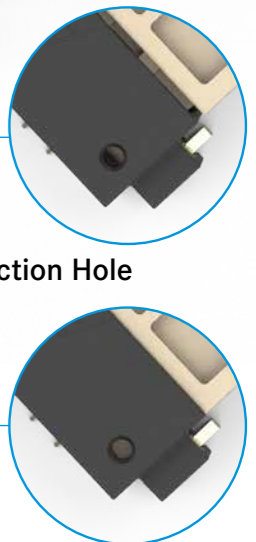
- Available in two different mechanical codings
- Connector and stiffener in different colors for mating control by camera
- Spot check possibility for mating function on connector side
- Available pin count 26pins with 1.8mm pitch
- Other pin counts on request

Coding A



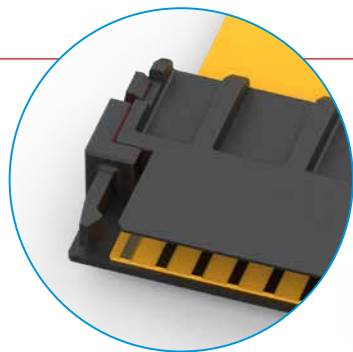
Coding B

Inspection Hole

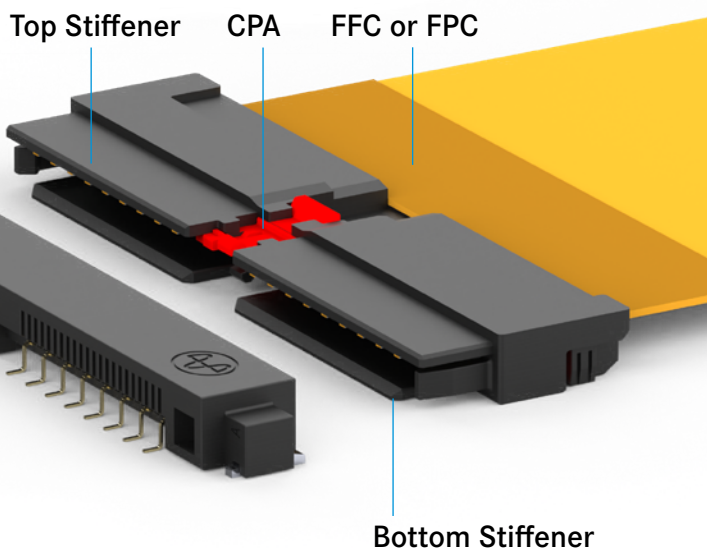
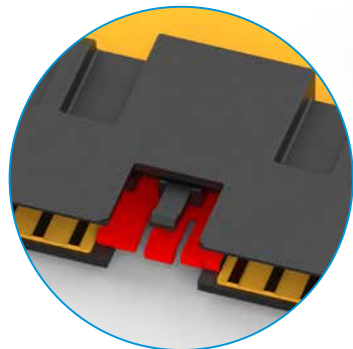


Y-LOCK V4 CPA

Locking from lateral direction



Locking from vertical direction



SPECIAL FEATURES

- Double locking System
- Additional locking option via CPA (Connector Position Assurance)
- Usable for FFC/FPC
- Available in Tin or Gold plating
- Available in different pitches and pin counts

NON-ZIF BOARD-TO-CABLE-CONNECTOR

YED-V1-2 | 6

TECHNICAL DATA ARE SUBJECT TO ALTERATION WITHOUT PRIOR NOTICE

YAMAICHI ELECTRONICS
Deutschland GmbH
Concor Park
Bahnhofstraße 20
85609 Aschheim-Dornach
Germany

YAMAICHI ELECTRONICS
Italia s.r.l.
Centro Direzionale Colleoni
Via Colleoni, 1
Palazzo Taurus Ing. 1
20864 Agrate Brianza (MB)
Italy

YAMAICHI ELECTRONICS
GB Ltd.
6 The Clockhouse
Stratton Park
Micheldever
Hampshire SO21 3DP
Great Britain

YAMAICHI ELECTRONICS
Israel

P.O. # 66
Palmachim 7689000
Israel

Phone +49 (0)89 45 109-0
Fax +49 (0)89 45 109-110
E-Mail sales@yamaichi.de
Web www.yamaichi.de

Phone +39 039 6881-185
Fax +39 039 6892-150
E-Mail sales@yamaichi.it
Web www.yamaichi.it

Phone +44 (0)7808 493377
Fax +44 (0)1962 774902
E-Mail sales@yamaichi.co.uk
Web www.yamaichi.co.uk

Phone +972 54 20444 23
Fax +972 88 664 344
E-Mail sales@yamaichi.co.il
Web www.yamaichi.co.il