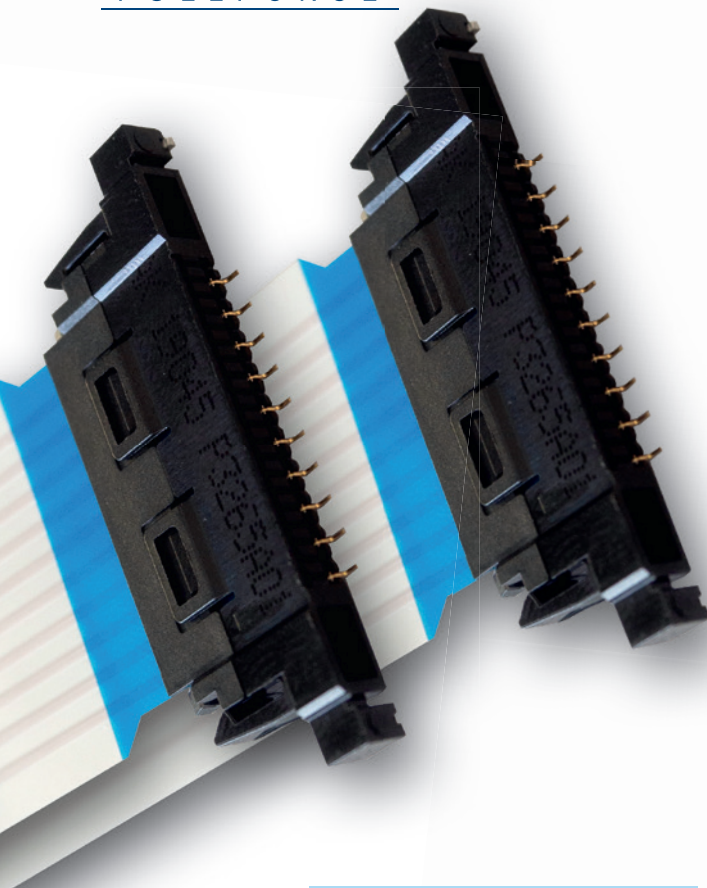


# INTERNAL CONNECTORS

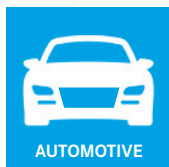
## BOARD-TO-CABLE

### Y-LOCK

PULLFORCE



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. Now available in three different versions, Y-Lock is able to fulfill a large spectrum of tasks in regard to mechanical, climatic and electrical specifications.



APPLICATION	ADVANTAGE
Clockspring in the steering wheel Y-LOCK VERSION 1	Simple locking
Connection camera in mirrors Y-LOCK VERSION 1	Automatic plugging and locking possible
Infotainment system, Connection CD drive Y-LOCK VERSION 2	Safe plug-in system, easy locking without additional closing of a lock (the removal is just as easy)
Connection electronics in the shift knob Y-LOCK VERSION 2	Blind Mating with tolerance compensation
Battery management systems Y-LOCK VERSION 3	Double locking function, guiding of FFC, Qualification based on LV214

	Y-LOCK VERSION 1	Y-LOCK VERSION 2	Y-LOCK VERSION 3
Explanation	Locking function between the supporting tape on the FFC and the connector. Small hooks on the inner housing of the connector insulator ensure the locking function between the FFC and connector.	Additional stiffener is assembled mechanically on the FFC. Locking function between stiffener and connector. Poka-Yoke system prevents the FFC from being inserted in the wrong direction. The use of the stiffener is guiding the FFC during insertion.	Same as version 2 but with double locking function based on frontal and lateral hooks.
Version & Pin Count	1mm pitch in 90° and 180° with 12,14,16,18,20,22,24,26,28,30 pins 0,5mm pitch in 90° and 180° with 30 pins	0.5mm Pitch, 180° with 18 or 50 pins	1mm pitch, 90° with 20 pins or 2mm pitch, 90° with 10 pins