

flexilink 2.54 mm Board-to-Board connections
with Tcom press® Press-fit Technology

flexilink is the perfect solution when you are looking for a high-quality press-fit connection between PCBs. Based on our extensive experience with board-to-board stacking applications, ept has provided many high quality solutions to solve customer requirements utilizing our unique double press-fit stacking connection.

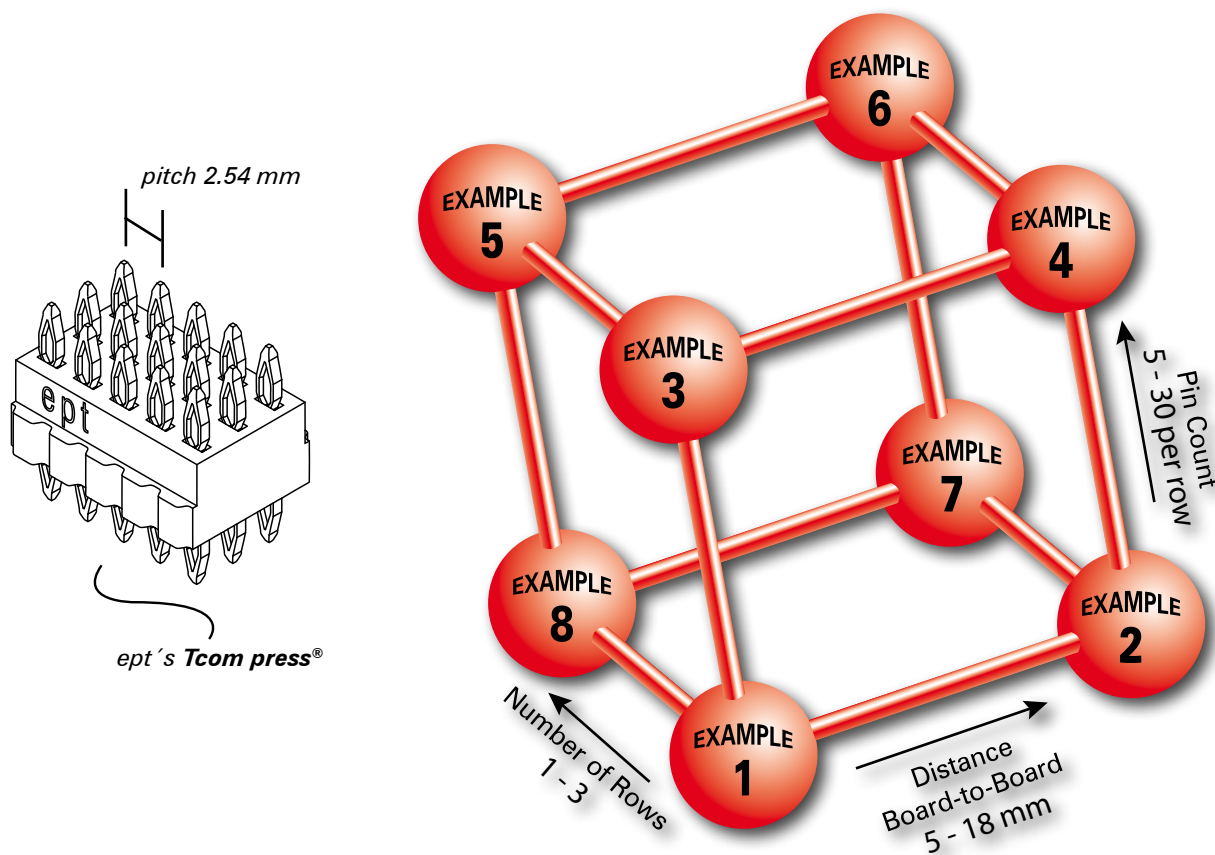
Key Features

- Reliable mechanical and electrical connection
- Space & cost saving
- Easy handling
- Flexibility in
 - pin count
 - number of rows
 - b-t-b distance
- Straight or right-angled terminals
- Manufactured according to requirements in the automotive industry

Applications

- Ruggedized
- Shock & vibrations





Application Example **1**



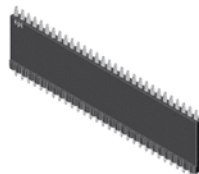
Application Example **2**



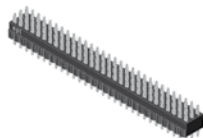
Application Example **3**



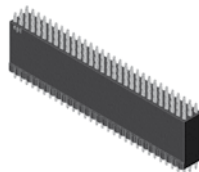
Application Example **4**



Application Example **5**



Application Example **6**

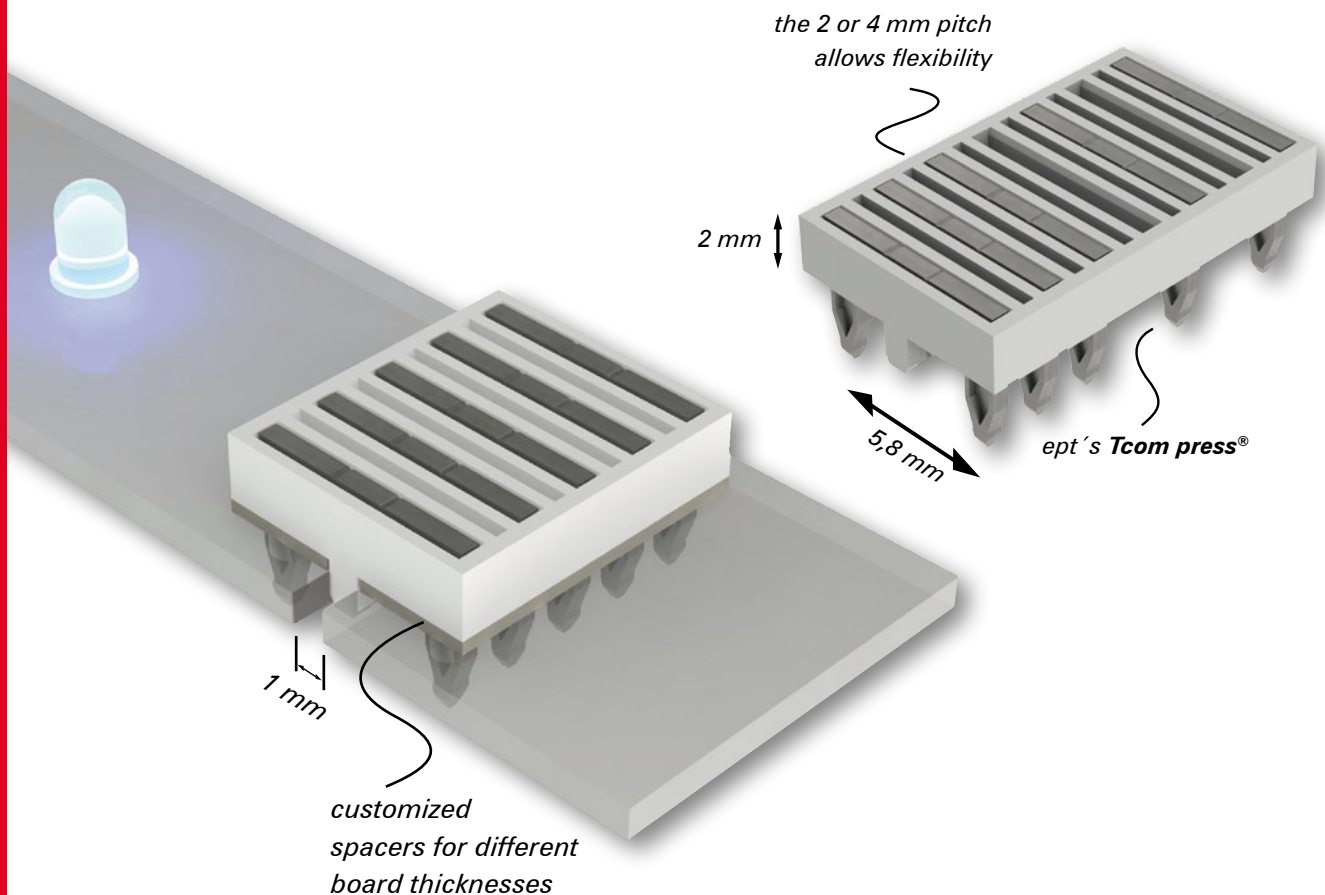


Application Example **7**



Application Example **8**





flexi link_{jumper} horizontal Board-to-Board Connection

ept's **flexi**link_{jumper} is a versatile board-to-board connector innovative due to its flexibility and small footprint design.

A gap of 1 mm between the ends of printed circuit boards and a needed footprint of only 3.6 mm per pcb allows maximum utilization of board space and makes this connector suitable for many applications, e.g. "chaining" LED boards. The height of the connector itself is only 2 mm. By selecting spacers this connector is suitable for all board thicknesses starting at 1 mm. The pins are designed for 1mm holes according to ept hole specifications.

flexilink_{jumper} is extremely easy to process due to ept's **Tcom press®** as described below:



The connector will be available in pin counts starting at 2x3 up to 2x10. The distance between rows will be 2 or 4 mm depending on the assembly.

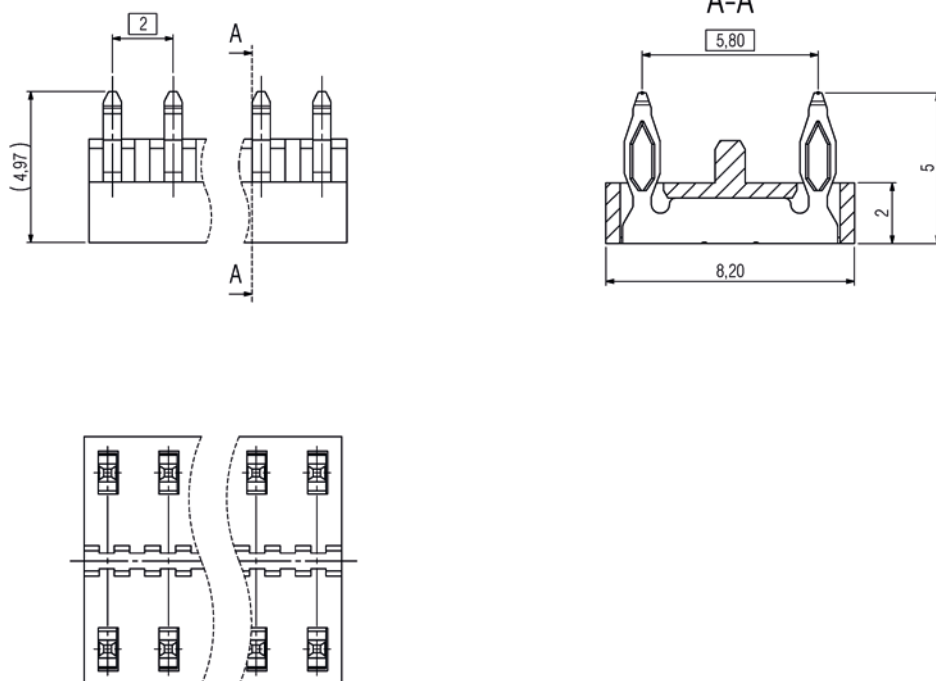
Key Features

- Operational current: 8 A
- Small footprint design
- Easy processing without soldering
- Variable 2 or 4 mm pitch
- Pin counts from 2x3 up to 2x8 available
- The use of spacers allows all board thicknesses of 1mm and up
- Reliable connection through press-fit technology
- Cost saving

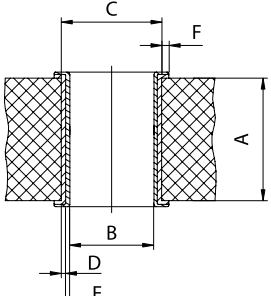
Applications

- LED
- Rugged environments





Dimensions in mm

		PCB Hole Specifications		
		Nominal Hole Ø 1.0 mm		
			imm. Sn printed circuit boards	Ni, Au printed circuit boards
	A	PCB thickness	min 1.0 mm	min 1.0 mm
	B	Plated hole	1 + 0.09 / - 0.06 mm	1 + 0.09 / - 0.06 mm
	C	Drill hole	1.15 ± 0.025 mm	1.15 ± 0.025 mm
	D	Cu plating	min. 25 µm	min. 25 µm
	E	Plating	max. 1.5 µm imm. Sn	0.05 - 0.2 µm Au; more than 2.5 - 5 µm Ni
	F	Annular ring	min. 0.1 mm	min. 0.1 mm

Plated through-hole according to IEC 60352-5

