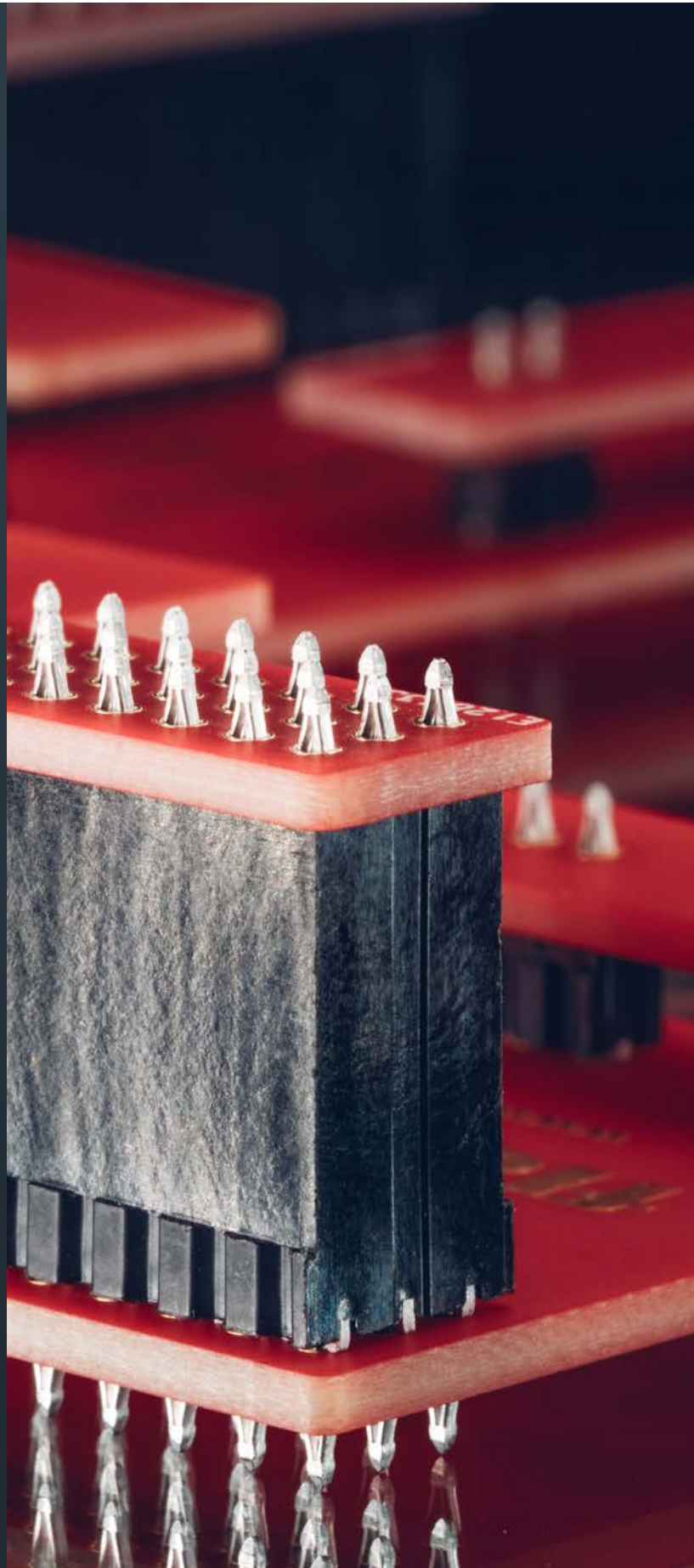


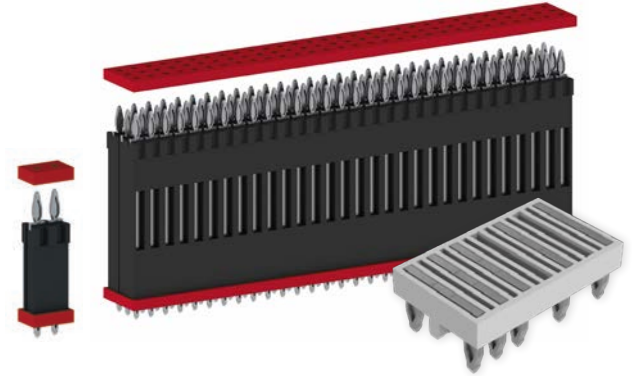
Flexible, board-to-board PCB connector
with press-fit technology

FLEXILINK. ■



Flexible, robust, reliable

The flexilink is a flexible, non-pluggable PCB connector that impresses with its space-saving design and high current-carrying capacity of 11 amps per pin and ensures reliable connections under mechanical loads such as shock and vibration thanks to the press-fit technology.



Press-fit



Parallel



Horizontal



Robust



POWER TOOLS



CLIMATE CONTROL



INFOTAINMENT



FORKLIFTS

Key features:

- Space and cost savings
- Replaces spacer
- Single component connection
- High mechanical load, shock & vibration
- Elimination of the soldering process by press-fitting
- Individual PCB spacing available
- Press-fit zone Tcom press®

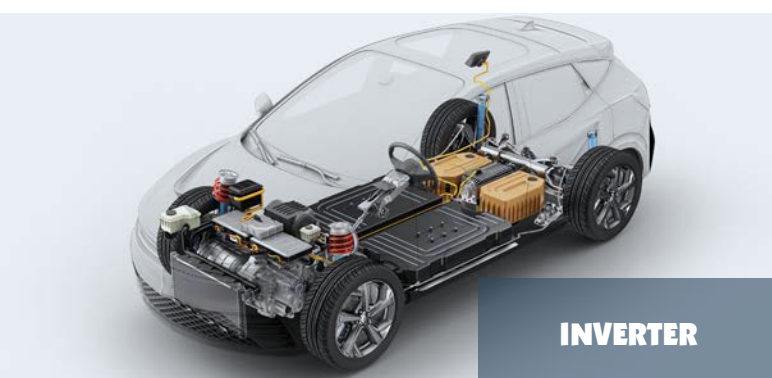
Applications:

- Board-to-board (mezzanine)
from 5 to 25 mm in 5 mm increments
- Parallel connections with flexilink_{btb}
- Horizontal connections with flexilink_{jumper}

To the flexilink video:

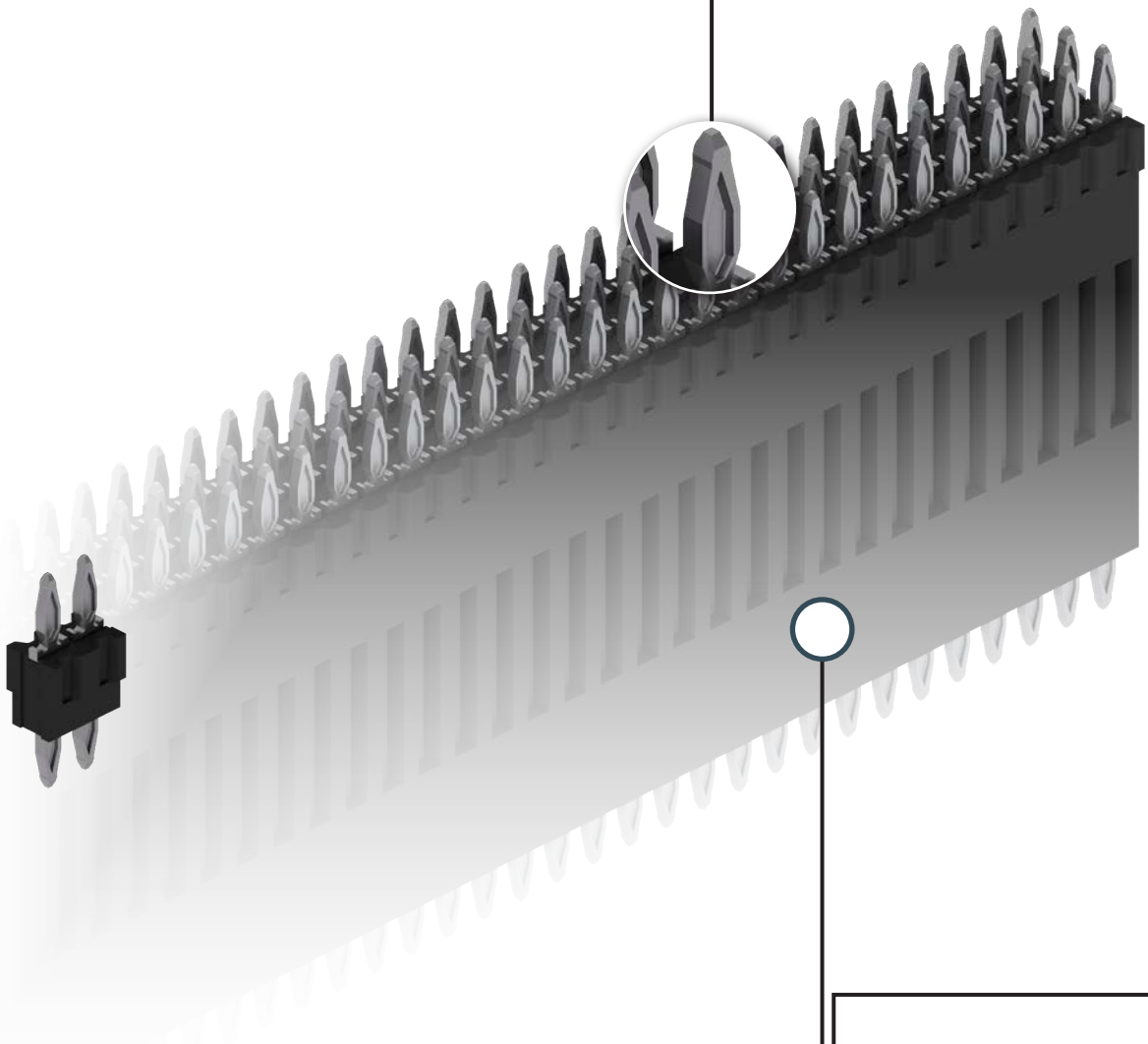


<https://youtu.be/9mug7jQYhKs>





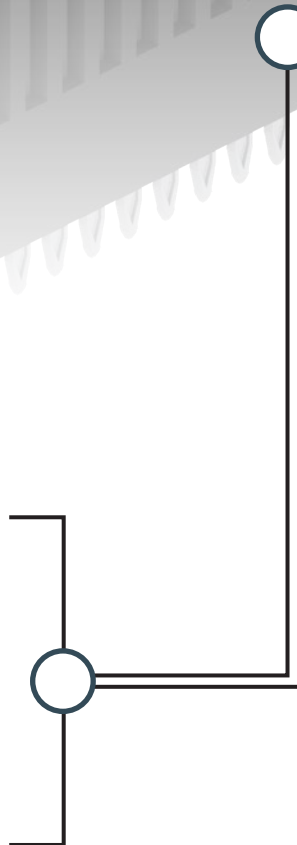
Tcom press® press-fit zone
Elimination of the soldering process
by press-fitting



Cost saving
Only one component for the connection.
Spacer not necessary

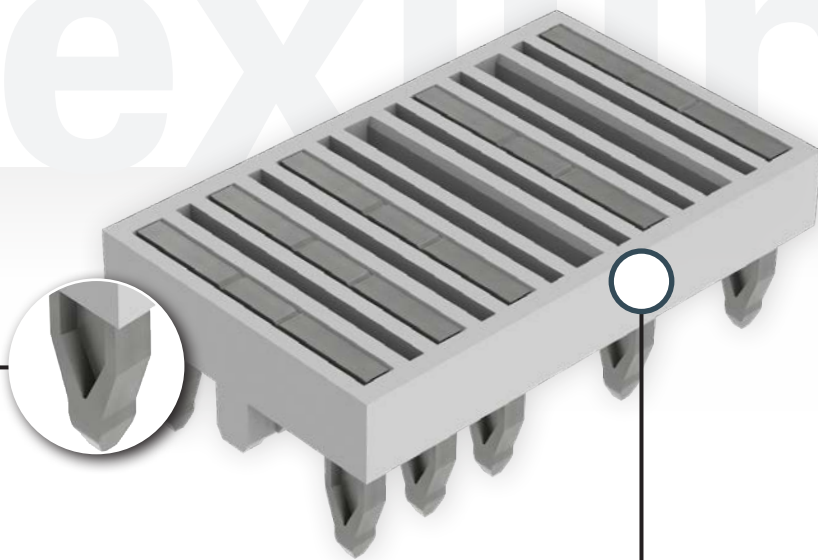


Robust
Robust mechanical connection
for maximum reliability.



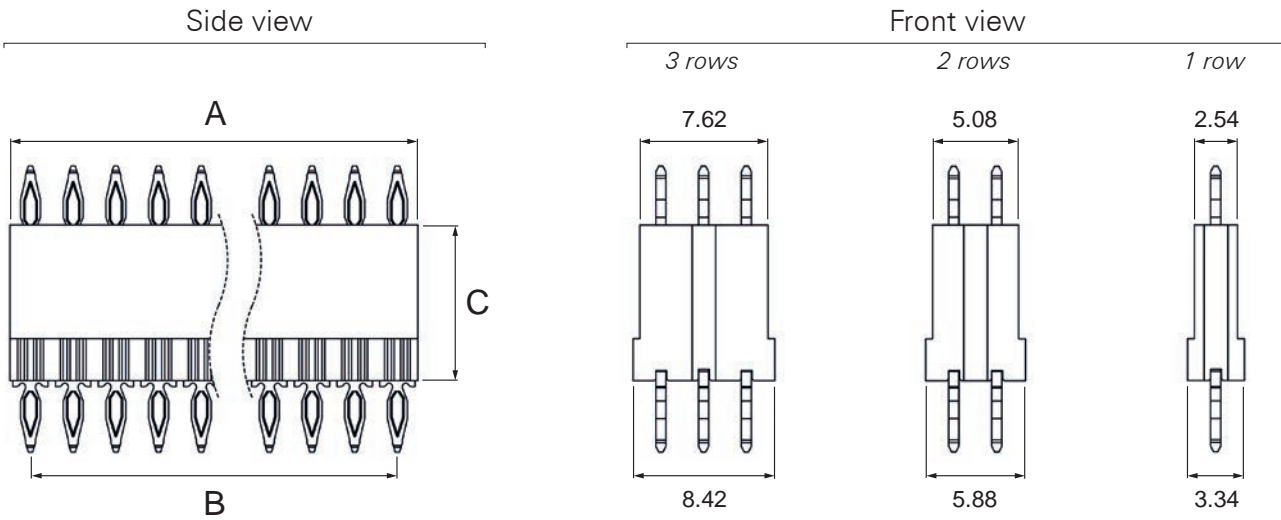


Tcom press® press-fit zone
Elimination of the soldering process
by press-fitting



Other features:

- One-piece connector without competition
- Bulk material or tray
- Special versions and other heights available on request



Connector dimensions in mm:

Pins	A	B
02	2.54	5.08
03	5.08	7.62
04	7.62	10.16
05	10.16	12.70
06	12.70	15.24
07	15.24	17.78
08	17.78	20.32
09	20.32	22.86
10	22.86	25.40

Pins	A	B
11	25.40	27.94
12	27.94	30.48
13	30.48	33.02
14	33.02	35.56
15	35.56	38.10
16	38.10	40.64
17	40.64	43.18
18	43.18	45.72
19	45.72	48.26
20	48.26	50.80

Pins	A	B
21	50.80	53.34
22	53.34	55.88
23	55.88	58.42
24	58.42	60.96
25	60.96	63.50
26	63.50	66.04
27	66.04	68.58
28	68.58	71.12
29	71.12	73.66
30	73.66	76.20

PCB distance	C
5,0	4.20
10,0	9.20
15,0	14.20
20,0	19.20
25,0	24.20

Part number key flexilink B-t-B

Height

050	5mm
100	10mm
150	15mm
200	20mm
250	25mm

Contact rows

1
2
3

9 9 0 - 5 2 **X** **NN** **XXX** - 1 1 0

2 bis 30 pro Reihe
Pins



Detailed drawings as well as a layout recommendation are available on www.ept.de after selecting the corresponding article.

Basics		
Number of pins	2 to 90	
Termination	Press-fit technology	
PCB distance	5 to 25 mm	
Operating temperature range	-55°C to +125°C	

Material		
Insulator material	PBT	
CTI	250	IEC 60112
Contact material	Copper alloy	
Contact surface	Sn	

Mechanical		
Pitch	2.54 mm or individually fitted	

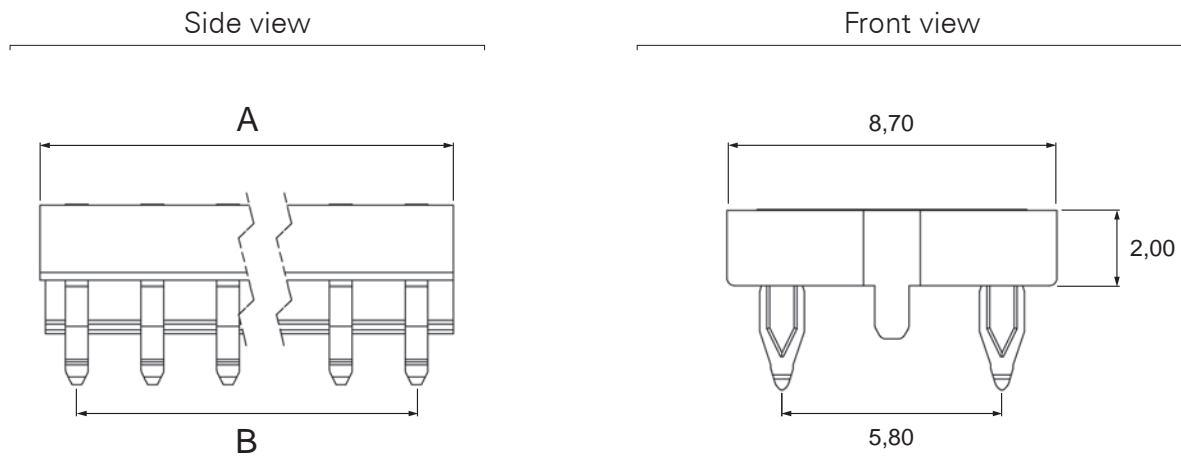
Electrical		
Operational current	max. 11 A at 20°C per pin, 1 row max. 7 A at 20°C per pin, 2 rows max. 6 A at 20°C per pin, 3 rows	IEC 60512-5-2
Contact resistance	max. 5 mΩ	IEC 60512-2-1
Clearance and creepage	min. 0.44 / 0.57 mm within row min. 1.94 / 2.07 mm between rows	
Insulation resistance	max. 10 GΩ	IEC 60512-3-1
Test voltage	750 VDC	IEC 60512-4-1

Processing		
Packaging	Bulk or tray	
Assembly	manually, semi- and fully automated	

Approval		
UL file	E130314	
Environment	RoHS compliant	



Detailed test reports are available at www.ept.de after selecting the corresponding article.



Connector dimensions in mm:

Polzahl	A	B
02	4,00	2,00
03	6,00	4,00
04	8,00	6,00
05	10,00	8,00
06	12,00	10,00
07	14,00	12,00
08	16,00	14,00

Pohlzahl	A	B
09	18,00	16,00
10	20,00	18,00
11	22,00	20,00
12	24,00	22,00
13	26,00	24,00
14	28,00	26,00
15	30,00	28,00

Part number key flexilink jumper

Contact rows

02 bis 15

9 9 1 - 5 0 XX 0 0 - 1 1



Detailed drawings as well as a layout recommendation are available on www.ept.de after selecting the corresponding article.

Basics		
Number of pins	2 to 15	
Termination	Press-fit technology	
Operating temperature range	-55°C to +125°C	

Material		
Insulator material	PBT fiberglass reinforced	
Insulator color	grey, RAL 7023 (others possible)	
CTI	250	IEC 60112
Contact material	Copper alloy	
Contact surface	Sn	

Mechanical		
Pitch	2 / 4 mm	

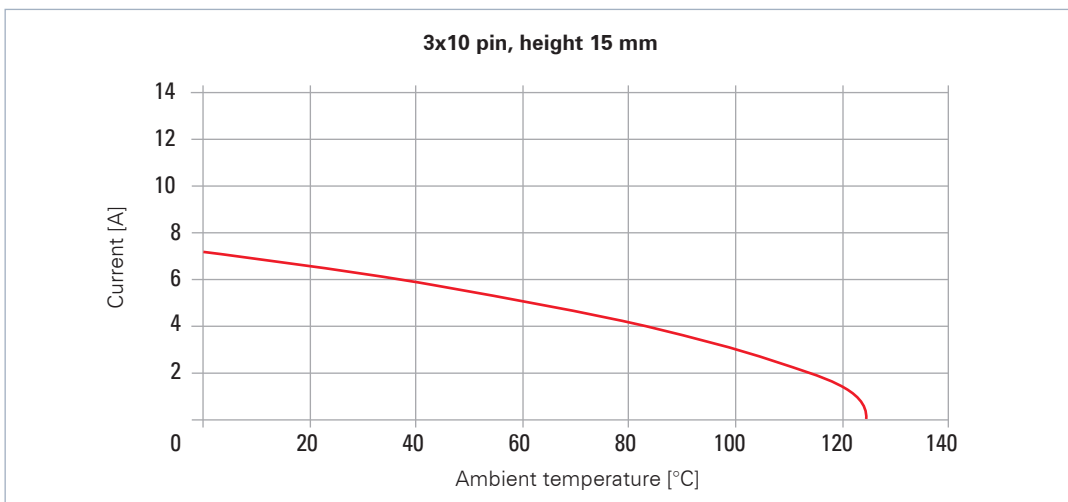
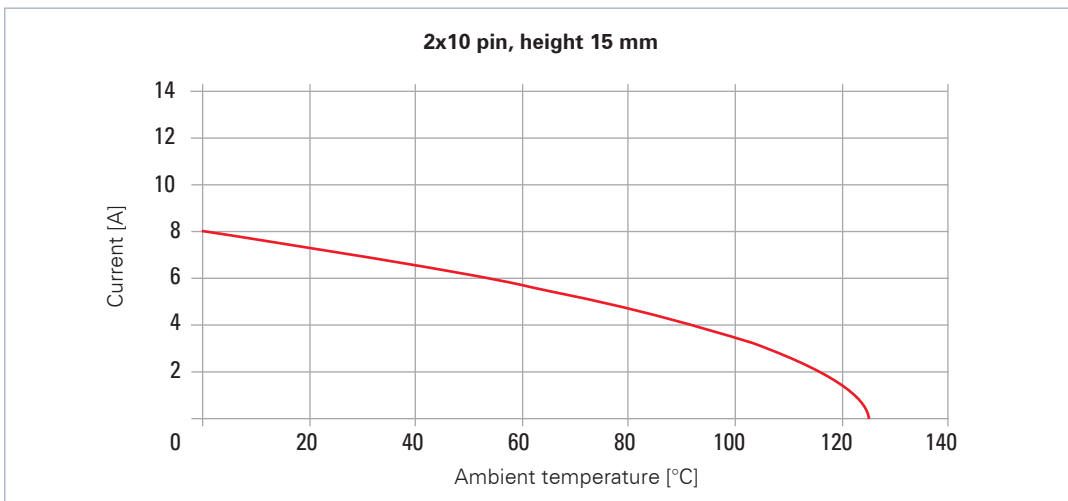
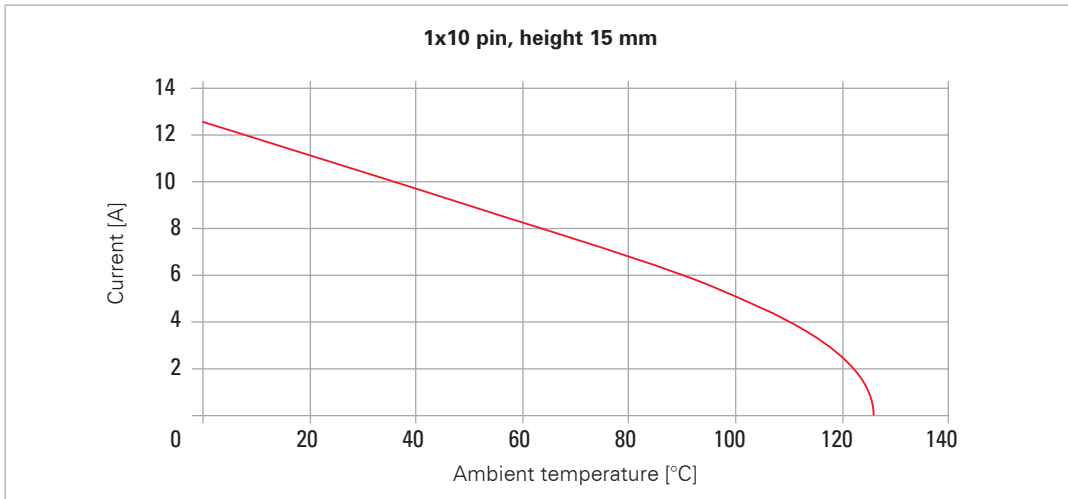
Electrical		
Operational current	max. 11 A at 20°C per pin (5 contact jumpers)	IEC 60512-5-2
Contact resistance	max. 5 mΩ	IEC 60512-2-1
Clearance and creepage	1.4 mm	
Insulation resistance	max. 10 GΩ	IEC 60512-3-1
Test voltage	1500 VDC	IEC 60512-4-1

Approval		
UL file	E130314	
Environment	RoHS compliant	



Detailed test reports are available at www.ept.de after selecting the corresponding article.

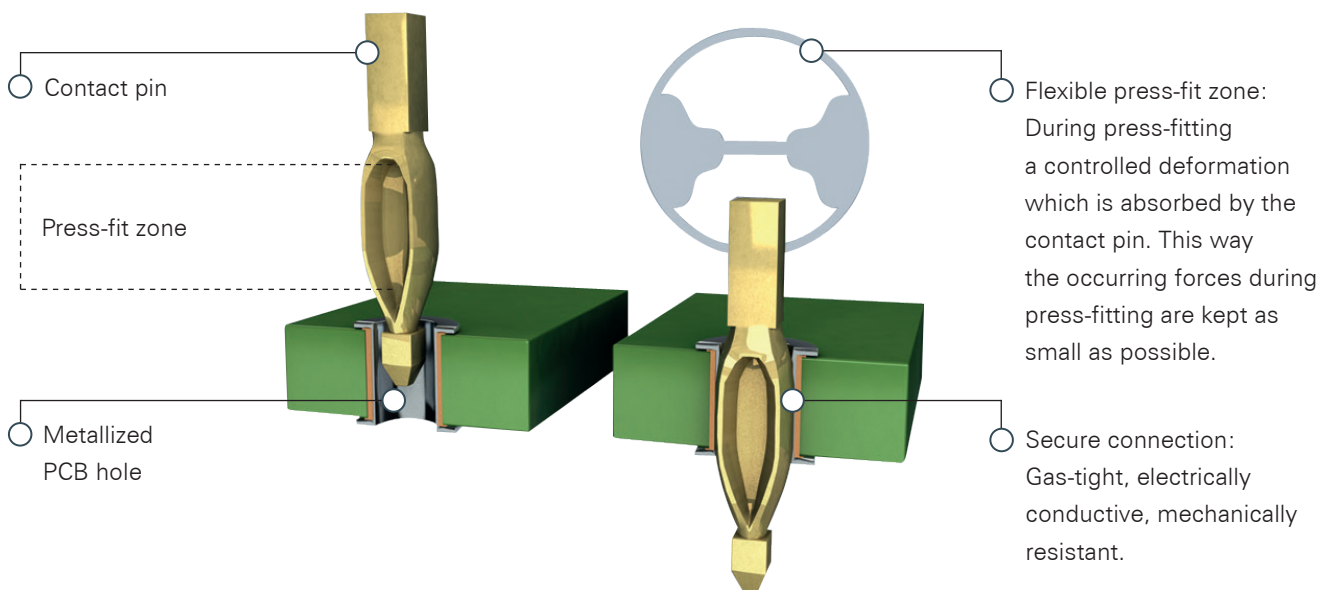
Derating diagrams



Reliable electrical and mechanical connections

Press-fit technology has developed over three decades into what it is today, what it is today: a generally recognized, widely used, solderless connection technology between electrical contacts and through-hole printed circuit board.

Functionality:



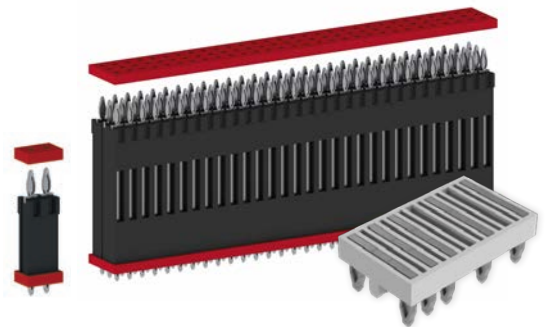
flexilink

Fast and simple

You can receive product samples from ept quickly, easily and free of charge. Either with a few easy steps on www.ept.de or by contacting us directly under +49-8861-2501-0 (recommended for special features, such as modifications).

For detailed coordination as well as individual consultation, you can choose between our sales representative in your area, our service representative in Peiting or a local sales partner or distributor.

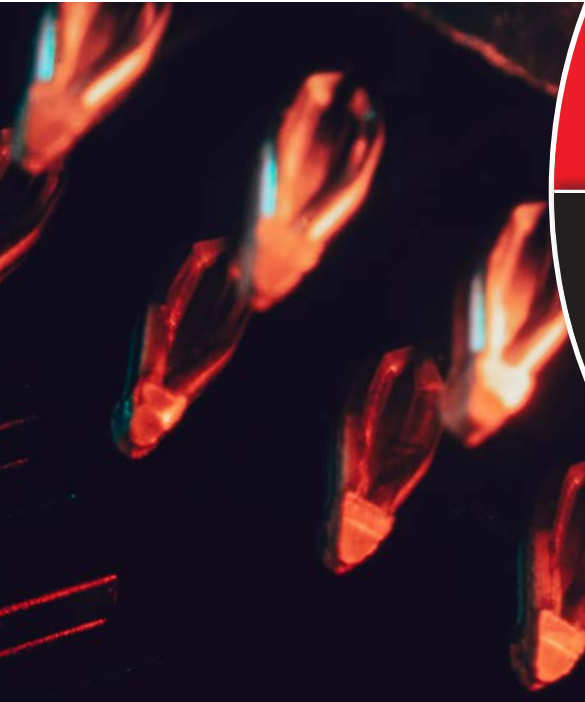
Order your product samples here:



One stop supplier

ept is a German quality supplier with sophisticated products in the field of electrical connectivity. Our products and capabilities are used in high-quality and demanding applications such as industrial automation, healthcare, measurement and traffic technology as well as automotive electronics.

At six locations worldwide, connectors are manufactured in-house using highly automated processes across four manufacturing steps (stamping, electroplating injection molding and assembly). Over five decades, we have formed trusting and successful partnerships with our customers, who are at the center of everything we do.



flexilink



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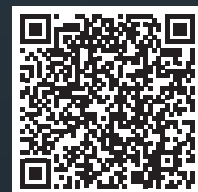
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