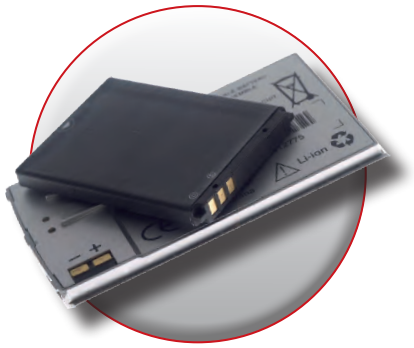
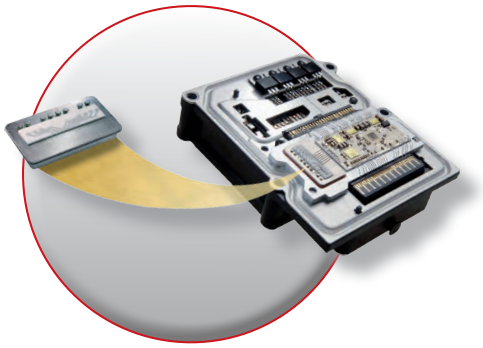
Interface Pin Blocks

- Spring Loaded Blocks
- PAD Contact Blocks

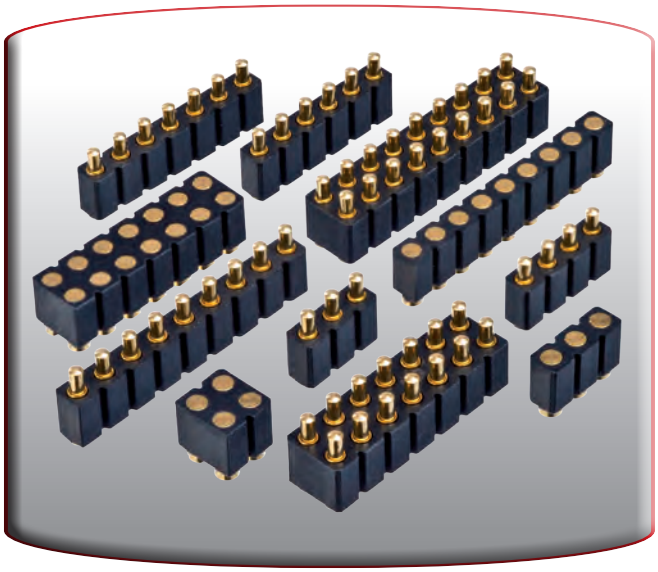
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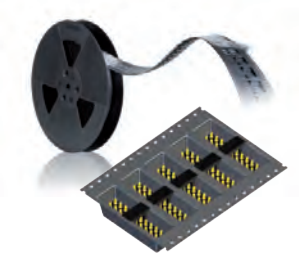








Tape-on-Reel



www.ptr.eu



Battery-charging contacts or even interface contacts create an electrical contact between two components. They are used wherever it is necessary to charge the rechargeable batteries in mobile devices such as scanners, card readers, communication equipment, etc.

The special design of the test probes which are used here adapts perfectly to an extremely wide range of contact situations. The probes guarantee a clean connection on almost all surfaces, including with ambient conditions in which oscillations and vibrations could affect the contacting. Irrespective of the specified installation height of the interface pin blocks, the test probes compensate for unevenness and differing heights on the contact surfaces. These features ensure a perfect and safe electrical contact. When positioned in the right place and used correctly, the interface pin blocks can achieve up to 1 million contact cycles.



Typical applications for the interface blocks include internal battery connections in mobile devices, or external connections needed for charging, for example in docking stations. They can be used for the secure connection of two PCBs which, by means of flexible contacting technology, can be connected and disconnected as often as required. This especially flexible connection of the interface pin blocks requires only a contact surface which is larger than the diameter of the probe head, so it offers considerable advantages when compared with connectors, which always require a precise connection. Additional arguments in favour of the use of interface pin blocks include the absence of insertion and withdrawal forces, and minimal wear and tear.

Applications

- Mobile process data acquisition devices
- Medical devices
- Military devices
- PCB technology
- Mobile communication
- Audio-video applications
- Data acquisition devices
- Automotive equipment
- Heating control units



In addition to a large number of standard products, PTR specialises in customer-specific solutions. Thanks to many years of experience in the manufacturing of injection moulding tools for the terminal block sector, PTR offers complete solutions including plastic carriers, tape-and-reel, and pick & place pads. We develop professional solutions together with our customers, and implement them precisely.

Series 5322

- Short, compact size
- Board-to-board contacting
- For use in charging units

Tape-on-Reel



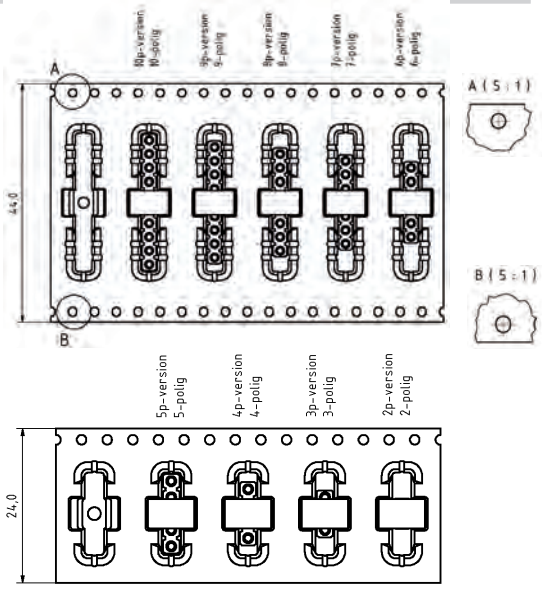
Mechanical Data	
Center	2.54 mm/100 mil
Full Travel	1.40 mm
Working Travel	0.70 mm
Pre-loaded spring force	0.25 N
Spring force at working travel	0.85 N

Electrical Data	
Max. current rating	3.5 A
Typical continuity resistance	≤ 20 mOhm

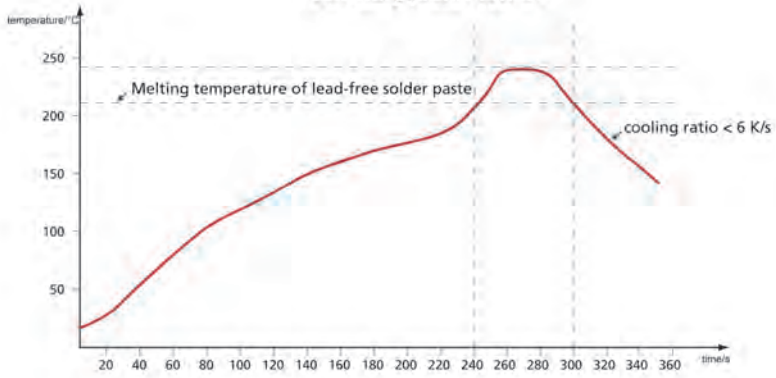
Materials	
Barrel	Brass, gold-plated
Spring	Spring steel, gold-plated
Plunger	Brass, gold-plated
PAD contact	Brass, gold-plated
Test probe block	HT-Plastic UL 94V-0

Tape on reel (DIN EN 60286-3)	
Tape on reel width	44 mm/24 mm
Spooling diameter	15"
Number of components	800
Pitch	12 mm

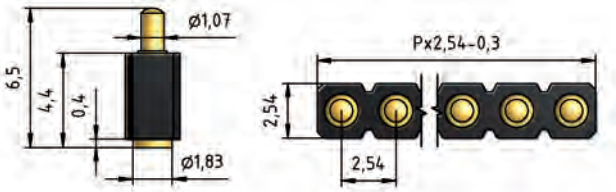
Tape on reel drawing



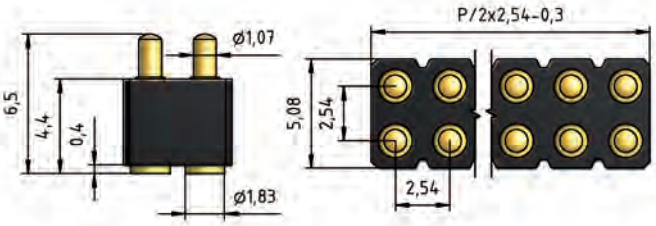
Soldering profile reflow



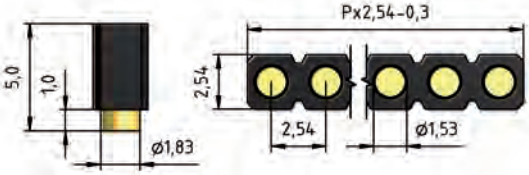
FKB5322/1



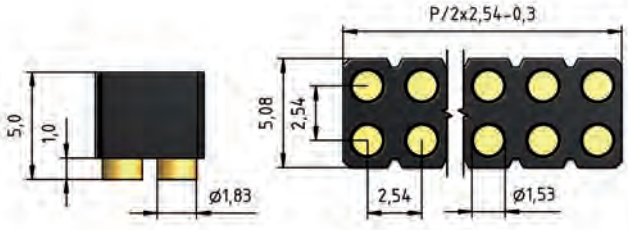
FKB5322/2



PKB5322/1



PKB5322/2



How to order

FKB5322 /1 - 2 - 65 - R44

1 2 3 4 5

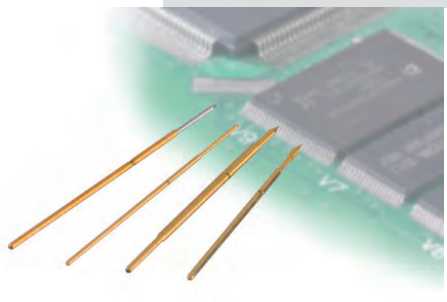
1. Series **2.** Number of rows **3.** Poles **4.** Test probe length
5. Tape on reel

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Represented worldwide in more than 50 countries.



PTR offers a wide range of test probes:

- Test probes for cable testing
- In-Circuit-Test test probes
- High-current test probes
- High-frequency test probes
- Pneumatic test probes