HARWIN

CONNECT TECHNOLOGY
WITH CONFIDENCE

EZi
RANGE

SPRING CONTACTS

SURFACE MOUNT ANTENNA, GROUNDING

SINGLE PIECE CONNECTION

EZi RANGE

HARWIN

SPRING CONTACTS

EZi CONNECTIONS FROM HARWIN.

SINGLE PIECE SMT SPRING CONTACTS

Single contact with inherent spring properties. Smaller and lighter PCB connections. Simple to assemble, easy to mate with generous tolerance to misalignment. Also called Shield Fingers, Antenna or Grounding Contacts.

Spring Contact connectors maintain a positive force against a mating surface, are available in different widths and offer a choice of spring contact forces.

Contact interconnects suit a wide variety of applications and markets, including antenna contacts in wearable and mobile applications, RFI screening, LED lamp connections, RFID tags, vision systems, PCB grounding and board-to-board contact.

Supplied on Tape and Reel with built-in pick and place zones for automated vacuum pick-up.

Free heights range from a very-low profile 1.23mm, up to 10.00mm – working heights cover 0.90mm to 9.50mm.

Multi-directional contacts work with either parallel or right-angle mating surfaces.

The Development Kit includes a selection of 16 different spring contacts for testing and prototyping.

FEATURES

- Simple and effective method for connecting pcbs
- Compact and lightweight for wareables and hand-held devices
- Surface mount, with pick/place zones, supplied tape and reeled for volume automation

APPLICATIONS

- Industrial
- Communications
- Retail
- Instrumentation
- Consumer

VIEW FULL SERIES & SPECIFICATIONS **HERE**

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SPRING CONTACTS

SPECIFICATIONS

MATERIALS	ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Base material: **Copper Alloy**	Current rating: **Up to 14A**	Durability: **Up to 10,000 mating cycles**	Free height range: **1.23mm to 10.00mm**
Plating finish: **Gold, Tin or Selective Gold + Tin**			
Packaging: **Tape and Reel**		Force at working height: **0.39N to 2.00N**	Working height range: **0.90mm to 9.50mm**
Compliance: **RoHS Compliant** **REACH / CMRT statements**			

Specifications are subject to change.

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PRODUCT CATEGORIES

C SHAPE

Basic shape gives simple and effective contact with metal shields or frames.

Range of free heights from 1.7mm to 5.6mm, working heights from 1.5mm to 4.6mm.

ANTI-HOOK BOX

Similar to C shape with additional feature to prevent damage caused by accidental snagging of the free end.

Range of free heights from 3.5mm to 6mm, working heights from 3 to 4.5mm.

EXTENDED ANTENNA

Extended C shape ideal for antenna contacts in mobile devices. Suitable for wiping and sliding actions.

Range extends from 2mm to 5mm free heights, with working heights from 1.4mm to 4.4mm.

POSITIVE STOP

Incorporates multiple advantages from the other styles – suitable for wiping and sliding, avoids accidental snagging and damage. The positive stop prevents over-deflection and permanent set over time.

Lowest profile options from 1.23mm to 2mm free height, and 0.90 to 1.70mm working heights.

Specifications are subject to change.

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PRODUCT CATEGORIES

MULTI-DIRECTIONAL

Contacts designed for both horizontal and vertical compression – use with mating surfaces in either parallel or right-angle orientation. Elevated pick and place zone for automated assembly.

DEVELOPMENT KIT

Selection box containing 16 different designs of SMT spring contact. Free refills, assists with design, development, and prototyping.

Specifications are subject to change.

VIEW FULL SERIES & SPECIFICATIONS **HERE**

SPRING CONTACTS

DOWNLOADS

TECHNICAL DOCUMENTS

Component Specification

PRODUCT TRAINING

Product Training Module (PTM)

SMT Spring Contact comparison chart

TEST REPORTS

HT077 – Mini Multi-Directional Spring Contacts – General Testing

Specifications are subject to change.

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FOR FURTHER INFORMATION PLEASE CONTACT:

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