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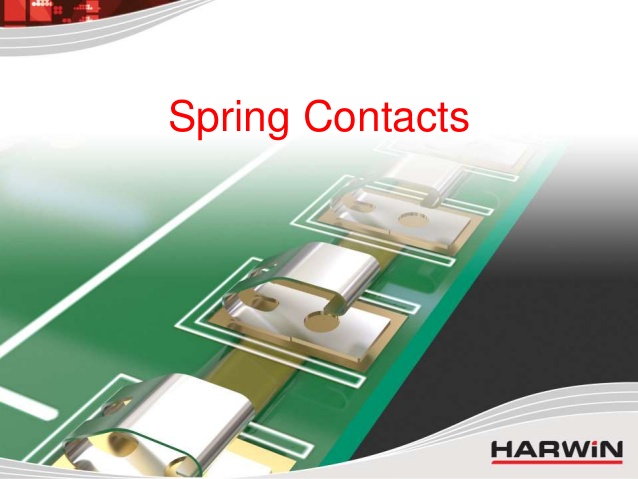
# USB 2.0 Hub IC

* TUSB2046x 4-Port Hub for the Universal Serial Bus With Optional Serial EEPROM Interface datasheet (Rev. L)

# Spring Fingers

**Pdf link**: <https://www.te.com/content/dam/te-com/documents/consumer-devices/global/6-1773460-8_Spring_Fingers-qrg.pdf>

Spring fingers (also known as shield fingers, grounding springs, universal ground contacts or antenna clips) can be used in all types of small printed circuit board applications across all industries. A spring finger is a single contact, surface mountable internal connector with multiple functions on a PCB. Spring fingers can be used for antenna feeds, low voltage electrical connections and grounding or shielding. They are beneficial in preventing EMI noise and static caused by speakers, motors, microphones or any other type of connector that can cause vibration within an application.



## Types of spring fingers

1. Standard-flat Contact
2. Pre-loaded Contact
3. Ultra-low Profile
4. Ultra-small Contact

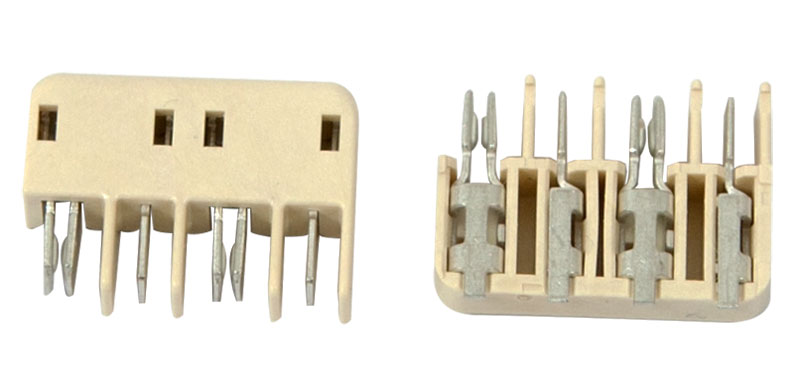
# Short listed connectors

802 - Valcon 2.54mm Right Angle Card Edge Socket



# Brick R Knowledge: <https://www.brickrknowledge.de/fr/bricks/active-basic/>

Youtube video:<https://youtu.be/XAMB9qxogMY>



# Similar model brick connector from Alibaba: <https://www.alibaba.com/product-detail/Quick-connect-Blade-type-pcb-smd_1850369566.html>

### Quick connect Blade type pcb smd terminal block



**Hermaphroditic Blade**

**and Receptacle connector**

**Board-to-Board**

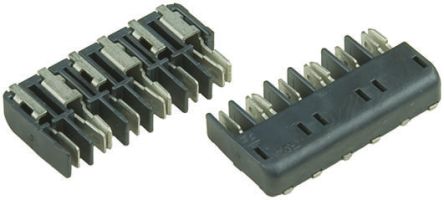
Specification

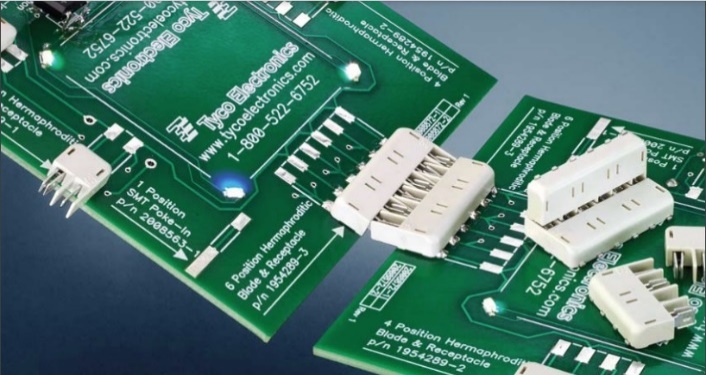
|  |  |
| --- | --- |
| Electrical Specification: | |
| Style | Board to Board |
| Type | Blade and Receptacle |
| Number of pins | 2 .4 .6 |
| Contact Material | Copper Alloy, tin over nickel plated |
| Housing Material | 94V0 high temperature resistant thermoplastic |
| Rated voltage | 125V AC / 125V DC |
| Dielectric Withstanding Voltage | 1500VAC |
| Operating temperature | -40° to +105° C |
| Maximum current | 5A |
| Mounting Type | Surface Mount, Right Angle |
| Housing Color | White |
| Packaging | Tape & Reel |

### TE Connectivity, Hermaphroditic Board to Board, Surface Mount, Rated At 6A, 125 V ac/dc

<https://www.te.com/usa-en/products/connectors/lighting-connectors/intersection/hermaphroditic-connectors.html?source=header-match&tab=pgp-story>

<https://in.rsdelivers.com/product/te-connectivity/1-1954289-2/te-connectivity-hermaphroditic-board-to-board/6860855?gclid=EAIaIQobChMItsi8iMuf7QIV0nwrCh0bXwGEEAQYASABEgIp6vD_BwE&gclsrc=aw.ds>





* This connector mates and unmates (vertically and horizontally) to itself and is coplanar.It is actually manufactured by TE connectivity.Tape and reel packaged product is compatible with high speed SMT and reflow solder process.
* Available in 2, 4 and 6 positions to connect power, signal and data.

Availability

* It is available through Mouser electronics.Two models are available:
* Model no:1954289-3, Cost:Rs148.92 per piece
* Model no:2213614-3, Cost:Rs254.04 per piece(This is the latest model with small difference)

### Perpendicular Mother/Daughter – Inverted Thru Board Card Edge: 00-9159



* Available 2p-6p for added design functionality and color control in bulb applications
* Low profile top mounted design does not interfere with LEDs
* Gold plated BeCu contact system for high reliability in harsh environments
* Accepts both 0.8mm and 1.6mm PCB’s for added design options

### Pluggable Terminal Blocks ZEC 1.5/ 6-5.0-LPV



₹1,005.94/unit