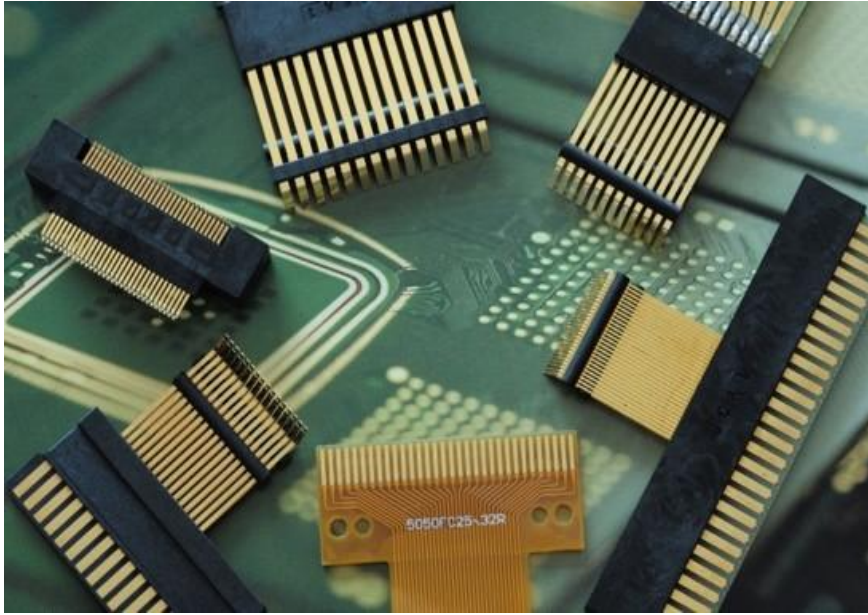


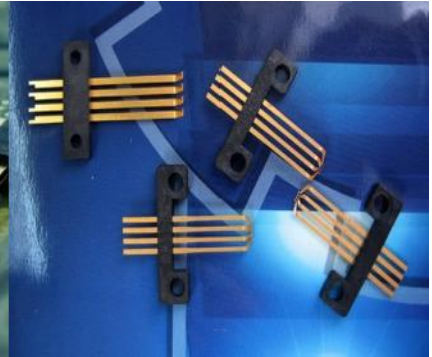
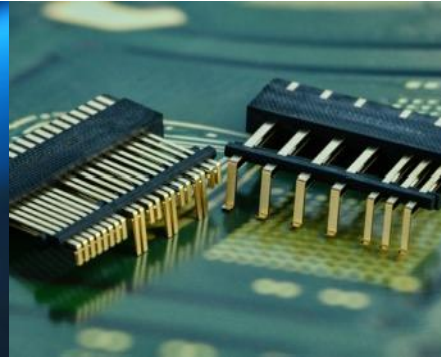
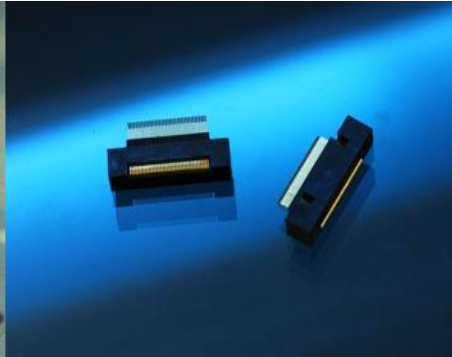
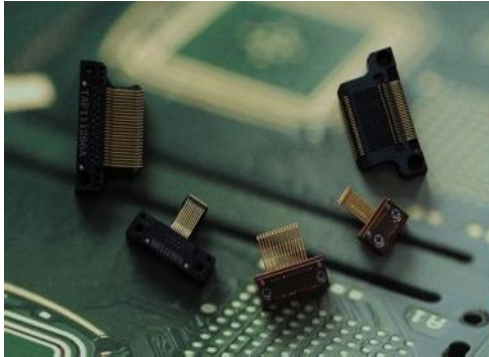


Contact Finger For Gravity Handler



Features:

- Gravity handler testing for DIP, SOP, MSOP, TSSOP and SIP... , 0.4mm~2.54mm pitch
- High current contact finger for all kind of handlers
- High frequency devices up to 2.5GHz. Special metal shield.
- High performance FPC cable for Kelvin and high temperature testing
- Customize design and manufacture for specific device testing application



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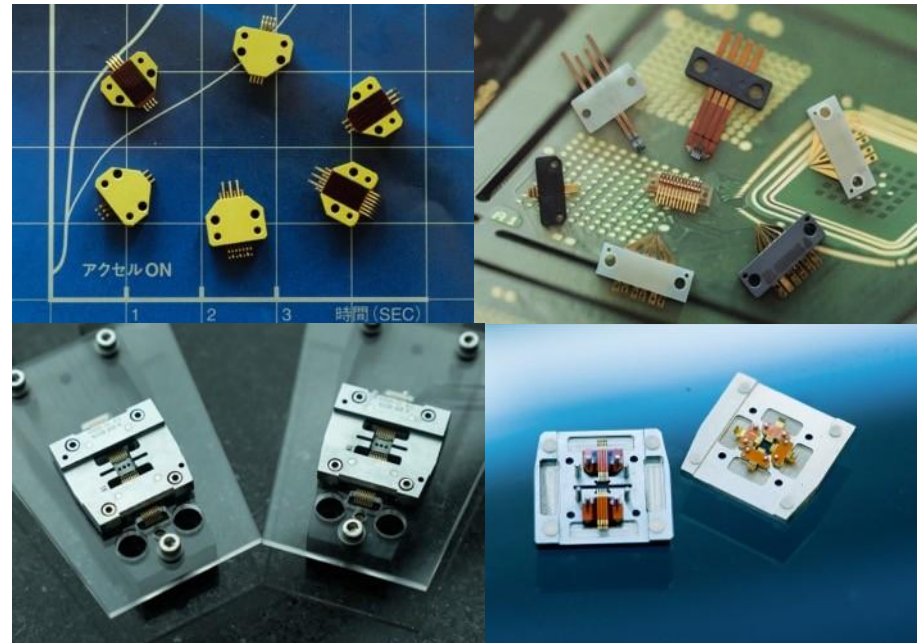


Contact Finger For Turret Handler



Features:

- For automatic handler testing of QFN, DFN and SOT... packages in 0.3~2.54 pitch.
- High current contact finger for all kind of handlers
- High performance, Kelvin and High temperature
- Customize design and manufacture for specific device testing application

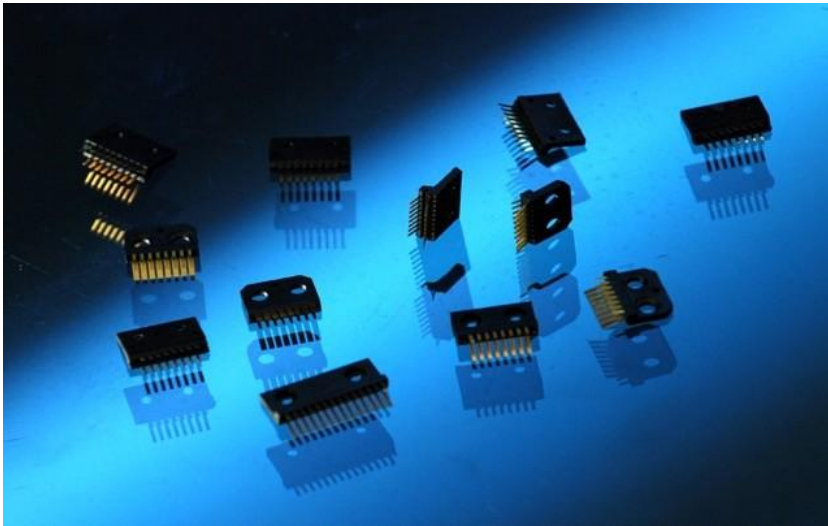


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Contact Finger



Features

- For automatic gravity handler testing of SOP, TSSOP and MSOP... packages, 0.50~1.27 pitch.
- Direct mount testing, PTB (plunger to board) test.
- Customize design and manufacture for specific device testing application

Features:

- For automated Handler testing of DIP, SOP, D-pak, D2-pac, TO, SOT...etc packages in 0.65~2.54 pitch sizes.
- High current contacts finger For all kind of ...etc handlers
- Customize design and manufacture for specific device testing application



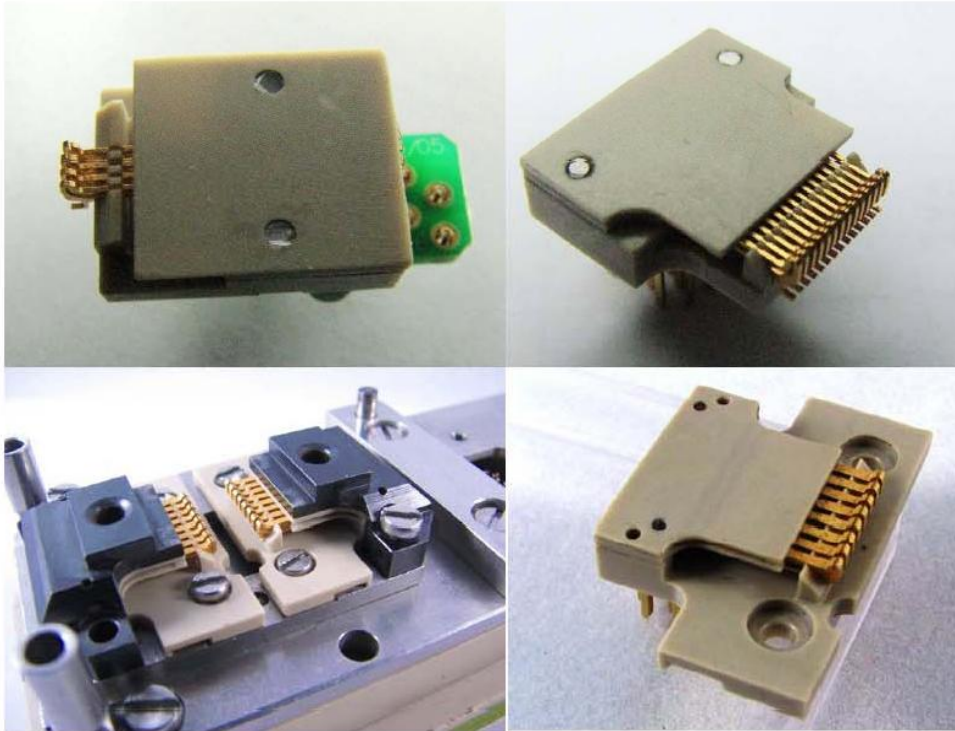
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Contact Finger

Dura-Type Kelvin Contact Finger



Contact Type	Multi Piece
Applicable for Handlers	MT
Lifespan	1000~2000K
Pitches Supported	0.5mm and up
Package Styles	SOP,SSOP,TSSOP,MSO P
Compliance (contact spring travel)	~0.5mm
Contact Force	0.55N
Exchange of Contact Springs	Pcs/Set
Temperature Range	-55° C ... 150° C
Self Inductance	30nH
Maximum Peak Current	30A/1ms
Maximum Continuous Current	5.0A
Typical Contact DC Resistance	100mΩh
Manual Actuators	Available

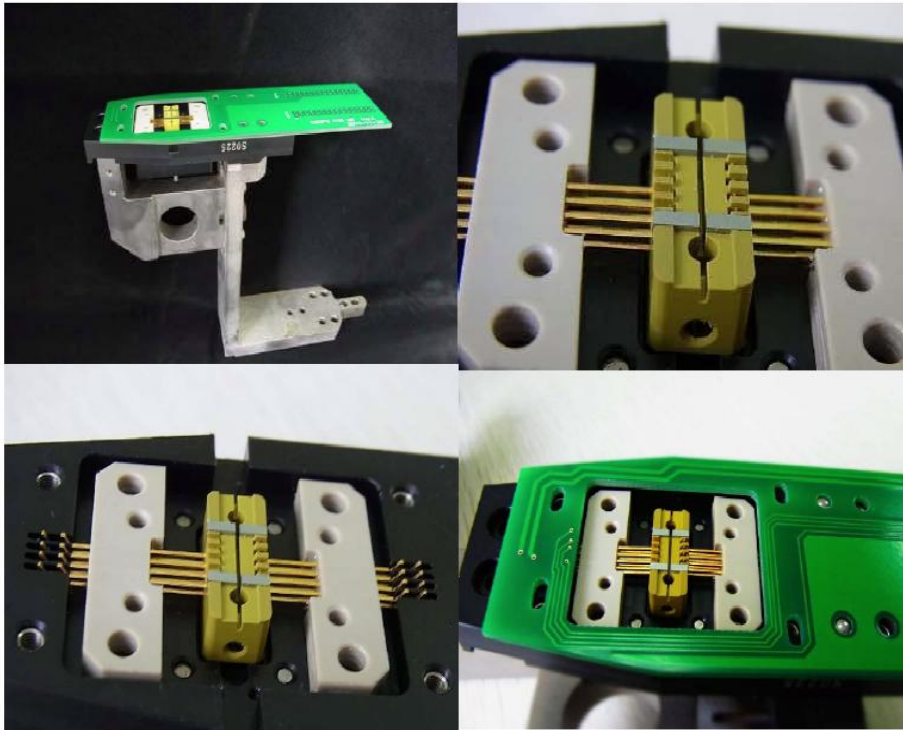
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Contact Finger

H-Type Kelvin Contact Finger



Multi Piece	Multi Piece
Applicable for Handlers	Ismeca/SRM/NIT
Lifespan	1000k
Pitches Supported	0.5mm and up
Package Styles	SOP,SSOP,TSSOP,MSOP
Compliance (contact spring travel)	~0.5mm
Contact Force	0.35N
Exchange of Contact Springs	Pcs/Set
Temperature Range	0° C ... 80° C
Self Inductance	25 nH
Maximum Peak Current	10A/1ms
Maximum Continuous Current	2.0A
Typical Contact DC Resistance	100mOh
Manual Actuators	No

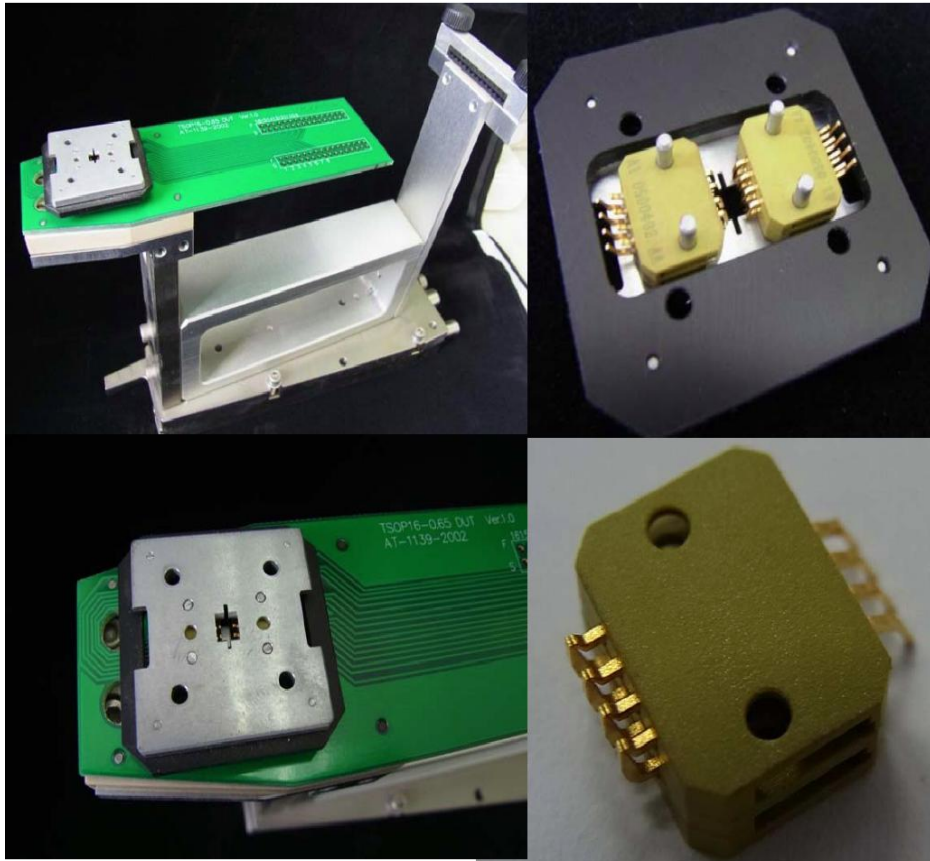
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Contact Finger

A-Type Kelvin Contact Finger



Contact Type	Multi Piece
Applicable for Handlers	Ismeca/SRM/NIT
Lifespan	1000k
Pitches Supported	0.5mm and up
Package Styles	QFN,DFN,SOP,SOT,SSOP,TSSOP
Compliance (contact spring travel)	~0.4mm
Contact Force	0.35N
Exchange of Contact Springs	Pcs/Set
Temperature Range	0° C ... 80° C
Self Inductance	10 nH
Maximum Peak Current	20A/1ms
Maximum Continuous Current	3.0A
Typical Contact DC Resistance	100mOh
Manual Actuators	Available

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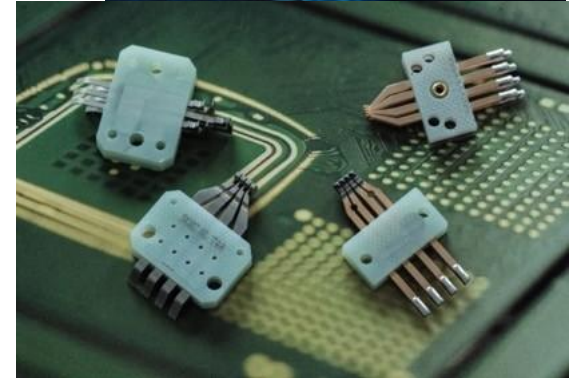
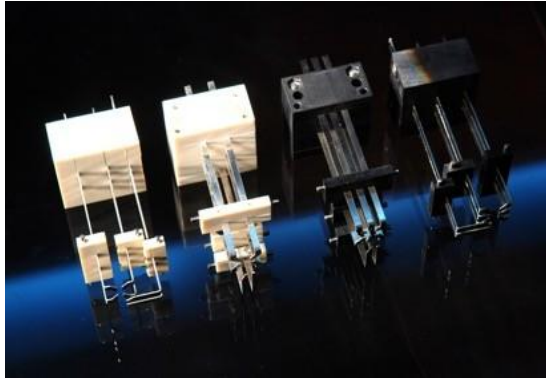
Contact Finger For High Power



Features:

- For automatic Handler testing of QFN, DFN, SOP, D-pak, D2-pac, TO, SOT...etc packages in 0.25~2.54 pitch sizes.
- High current contacts finger For all kind of ...etc handlers
- Can be designed and manufactured with for your specific device testing application

High voltage static tests to 2000V
Low voltage static tests to 200A/30V
Low $R_{ds(on)}$ tests down to 1mOhm
Transient thermal tests to 1000W
Long lifespan up to 30 million

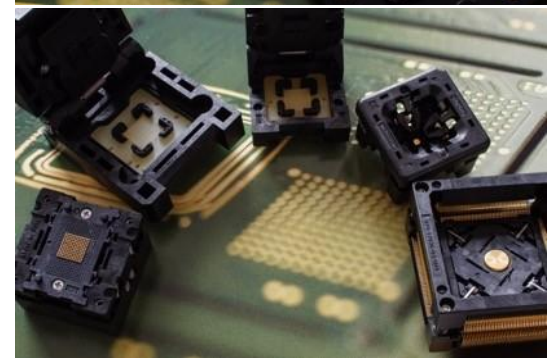
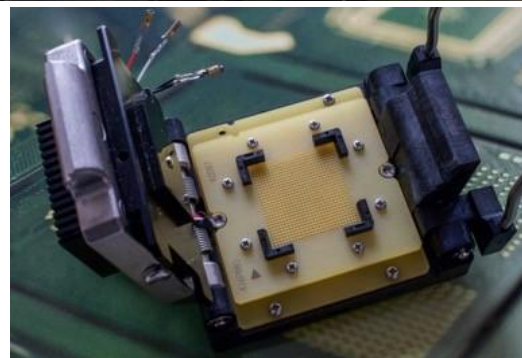
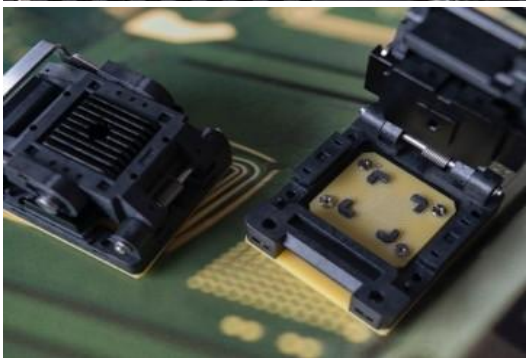
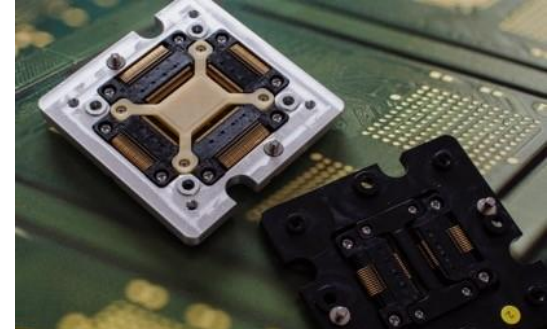
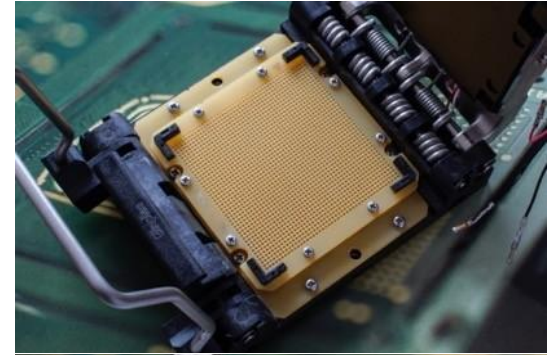
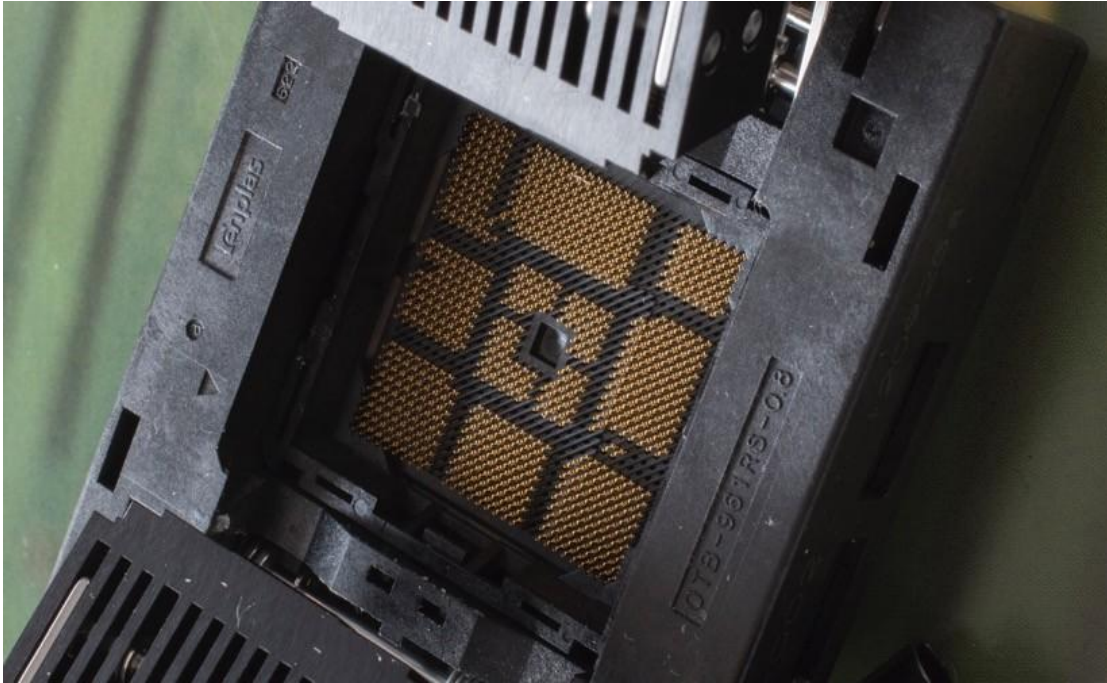


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Burn-in Sockets

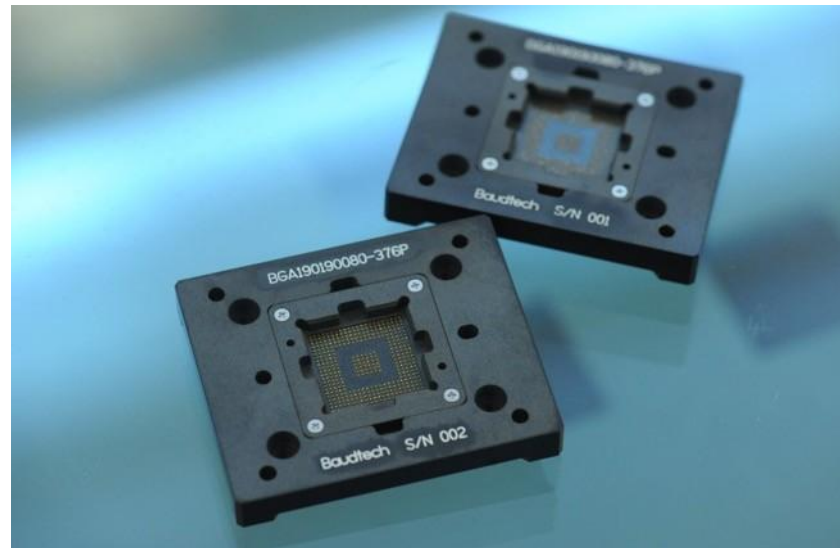
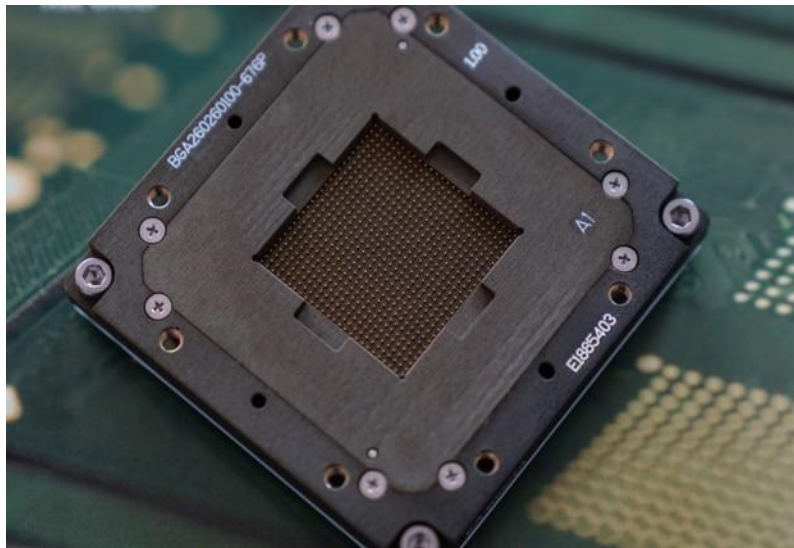


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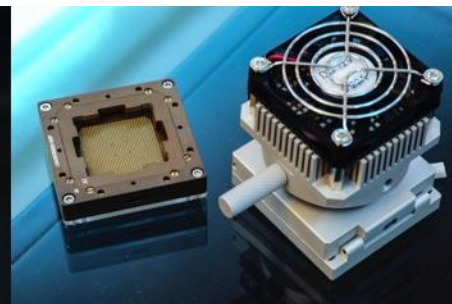
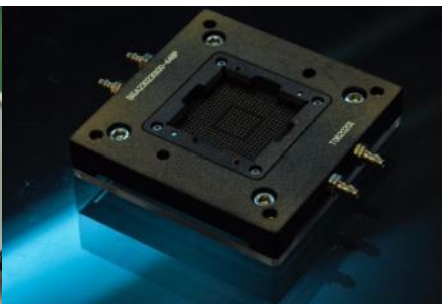
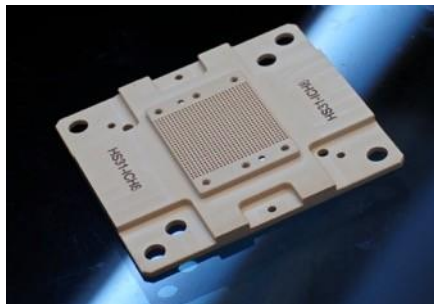
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Test Socket



- Spring Probe contact for LGA / BGA / CSP/QFN packages
Available pitches: 2.54, 1.27, 1.00, 0.80, 0.65, 0.50, 0.40
- Test contactor for Handler and Manual-use, Up to 10GHz high frequency RF test Designed and manufactured for your specific device testing application

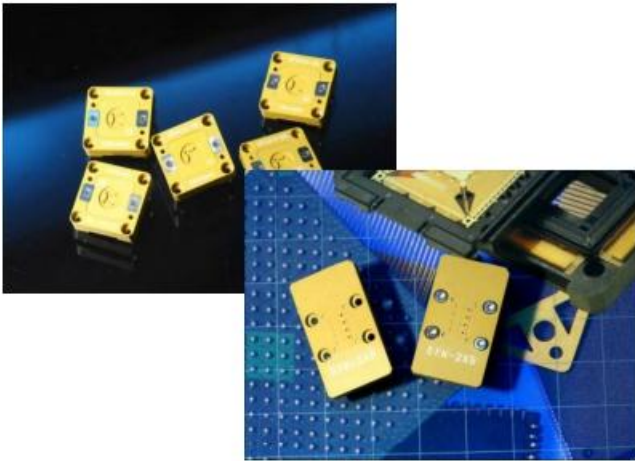


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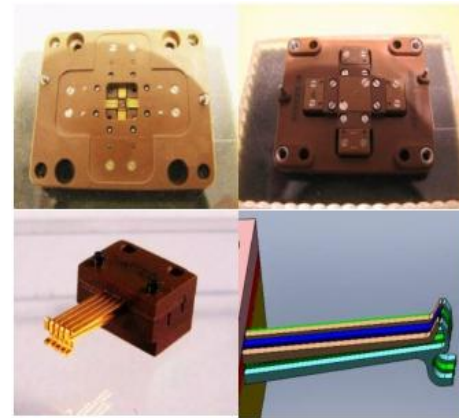
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Test Socket (QFN/DFN Kelvin)



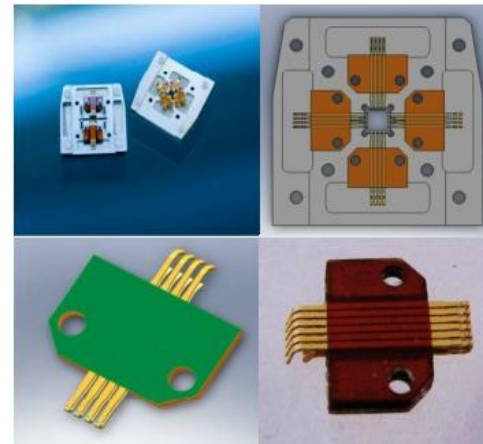
Probe Pin Kelvin SOCKET



T-Pin Kelvin SOCKET



C-Pin Kelvin SOCKET



L-Pin Kelvin SOCKET

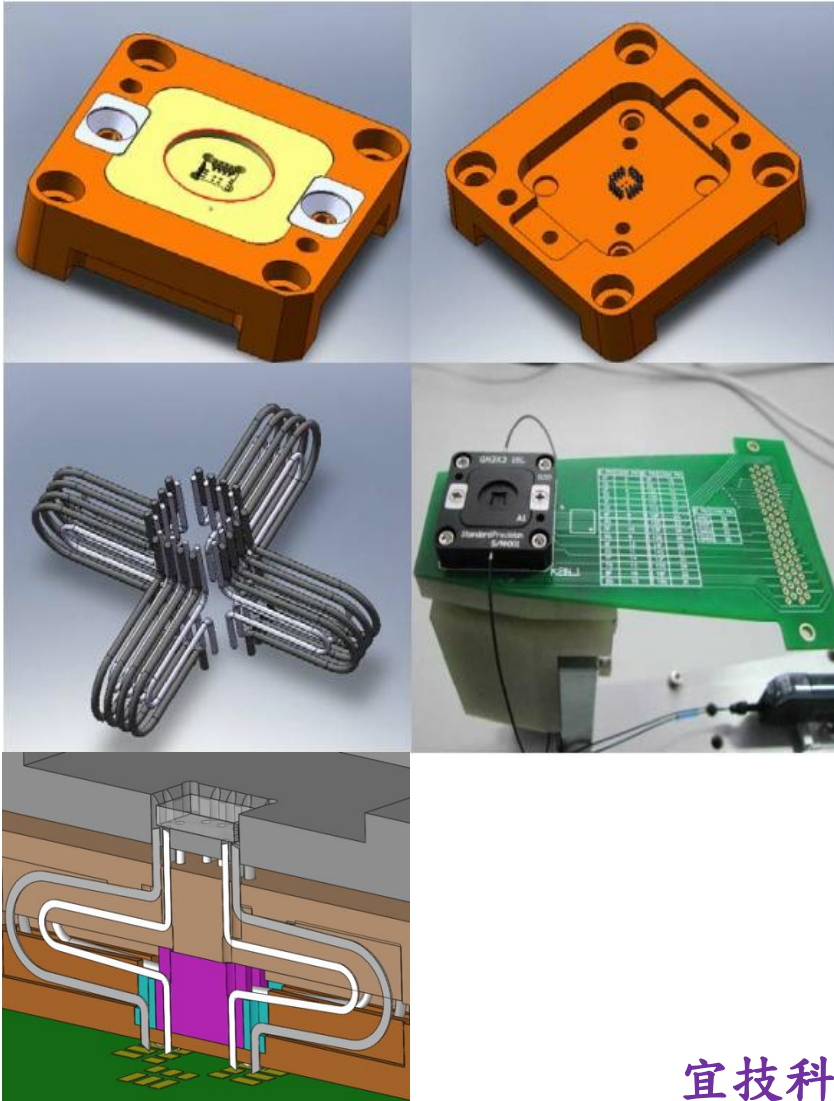
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C-Pin Kelvin SOCKET

Solution For QFN/DFN Kelvin Test



Contact Type	Singer C-PIN
Applicable for Handlers	Ismeca/SRM/NIT
Lifespan	600k+
Pitches Supported	All pitches ,0.4mm and up
Package Styles	QFN,DFN
Compliance (contact spring travel)	0.3~0.5mm
Contact Force	0.45N
Exchange of Contact Springs	Pcs/Set
Temperature Range	-55° C ... 155° C
Self Inductance	10 Nh
Maximum Peak Current	10A/1ms
Maximum Continuous Current	1.0A
Typical Contact DC Resistance	150mOhm
Manual Actuators	Available

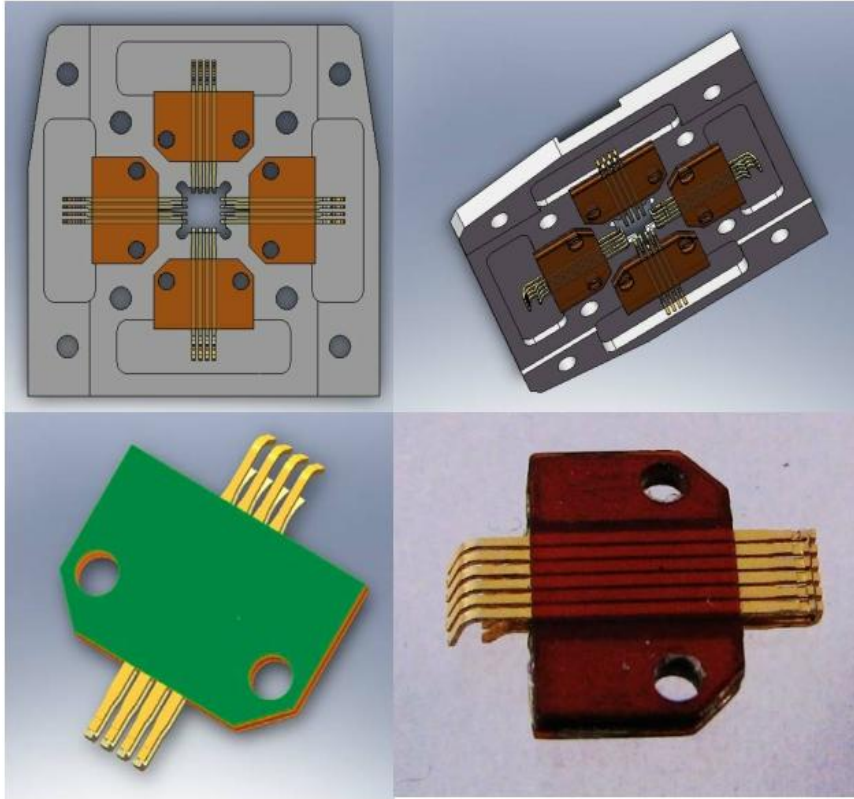
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L-Pin Kelvin SOCKET

Solution For QFN/DFN Kelvin Test



Contact Type	Multi Piece
Applicable for Handlers	SRM/Ismeca/NIT
Lifespan	500k+
Pitches Supported	All pitches ,0.4mm and up
Package Styles	QFN,DFN
Compliance (contact spring travel)	0.3~0.5mm
Contact Force	0.60N
Exchange of Contact Springs	Set/Block
Temperature Range	0~80° C
Contact Spring Coating	Gold coating
Self Inductance	10 Nh
Maximum Peak Current	10A/1ms
Maximum Continuous Current	1.0A
Typical Contact DC Resistance	150mOhm
Manual Actuators	Available

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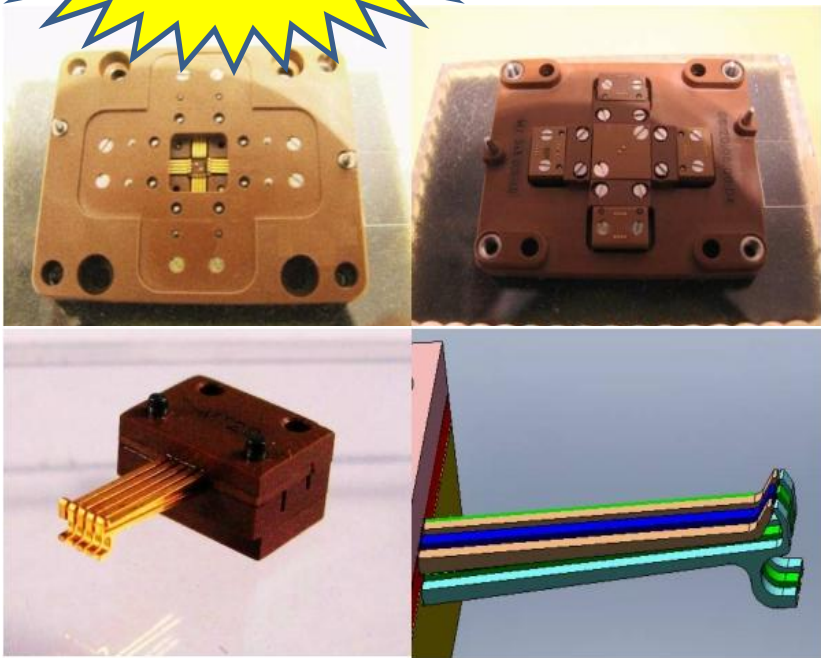
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T-Pin Kelvin SOCKET

Solution For QFN/DFN Kelvin Test

"This is the best
Kelvin contactor
on the market"



Contact Type	Multi Piece
Applicable for Handlers	Mulitest
Lifespan	500k+
Pitches Supported	All pitches ,0.5mm and up
Package Styles	MLF,QFN,DFN
Compliance (contact spring travel)	0.3mm
Contact Force	0.45N
Exchange of Contact Springs	Set/Block
Temperature Range	-55° C ... 155° C
Contact Spring Coating	Gold coating
Self Inductance	10 Nh
Maximum Peak Current	25A/1ms
Maximum Continuous Current	2.0A
Typical Contact DC Resistance	150mOhm
Manual Actuators	Available

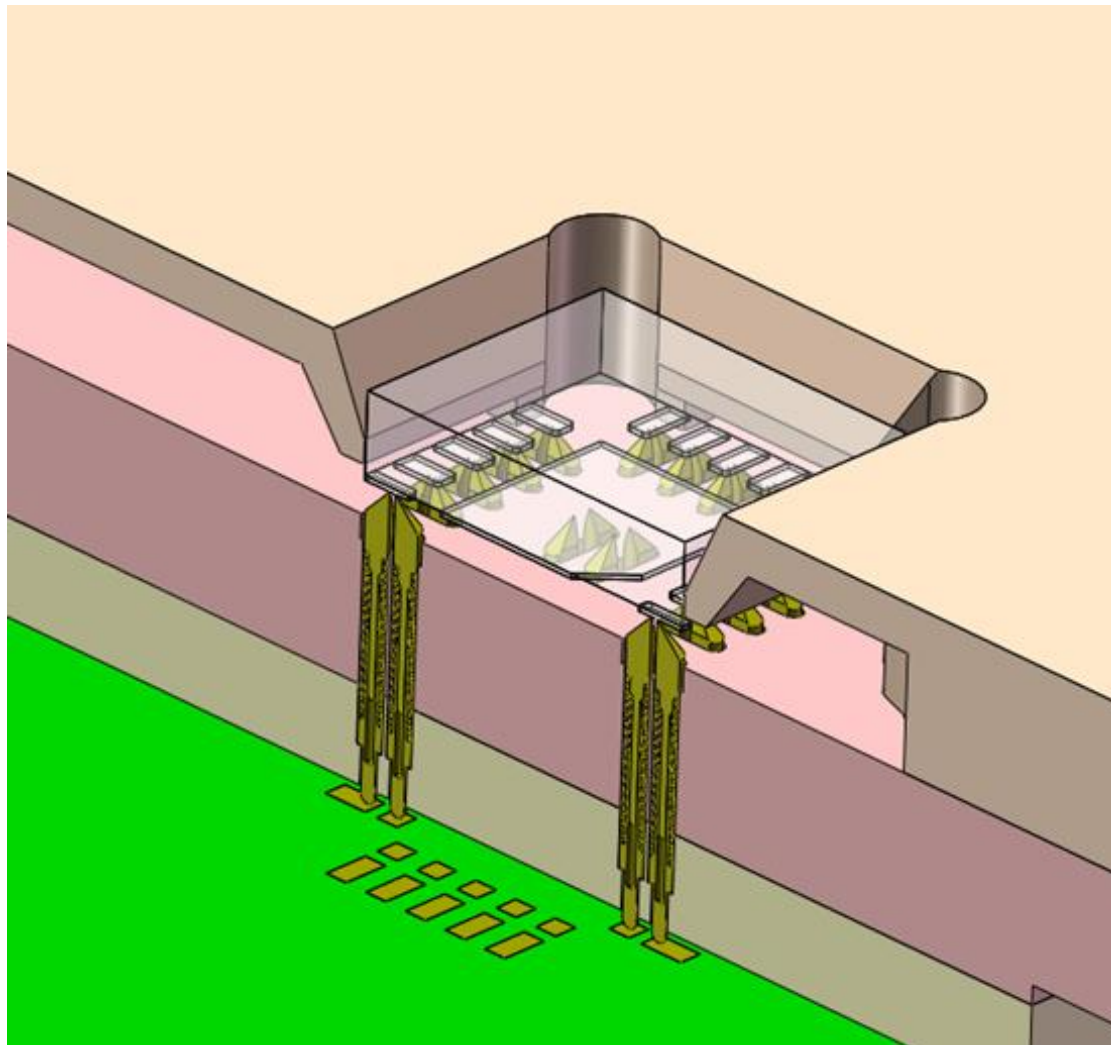
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POGO Pin Kelvin SOCKET

Solution For QFN/DFN Kelvin Test



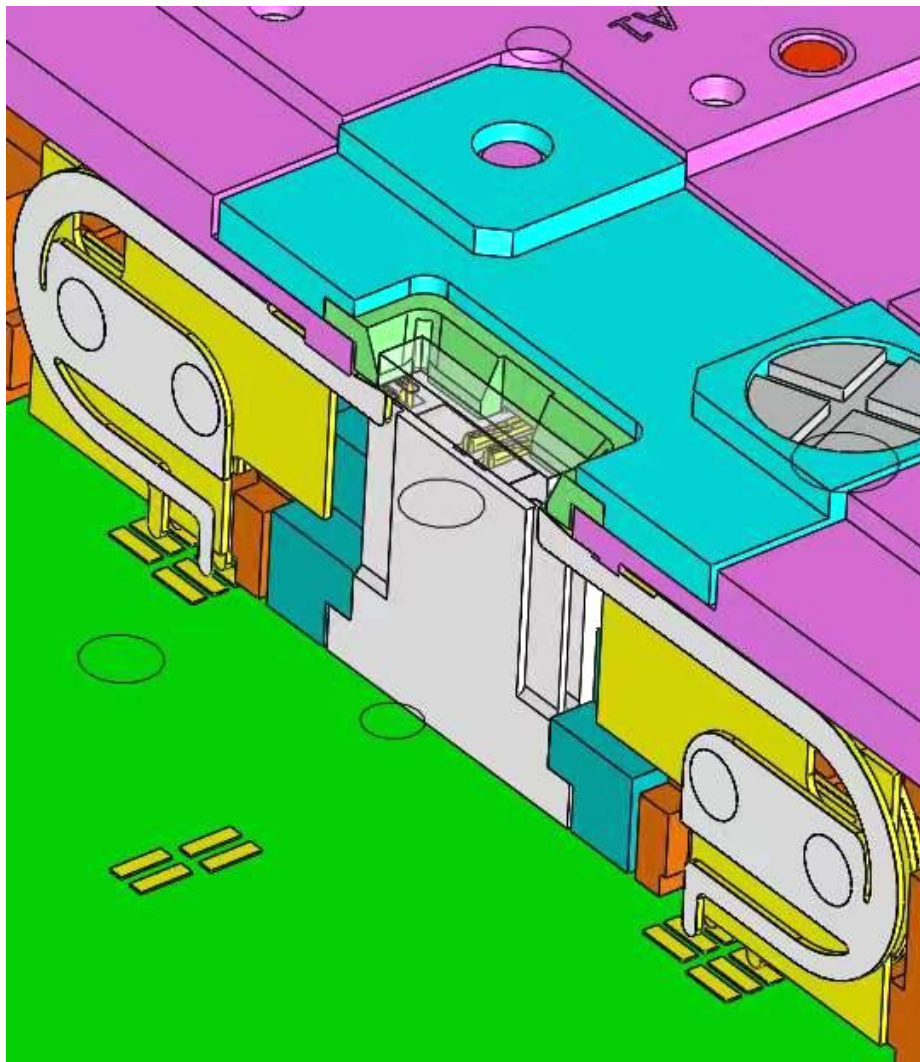
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BK Kelvin SOCKET

Solution For QFN/DFN Kelvin Test

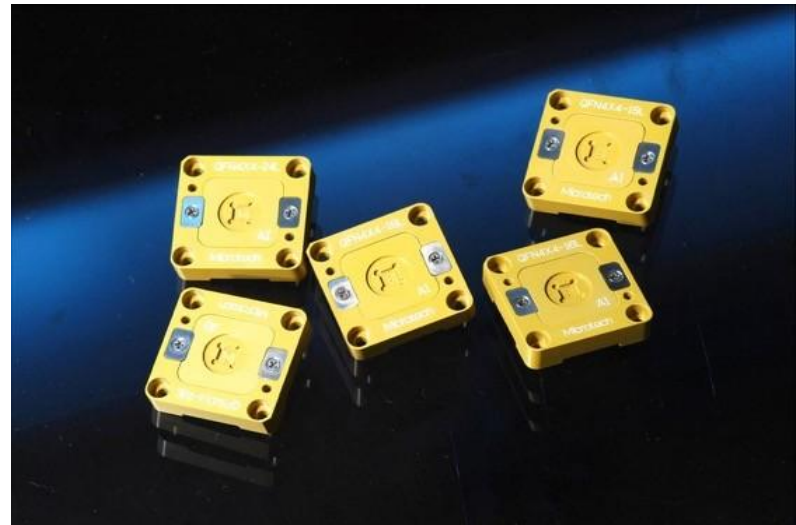
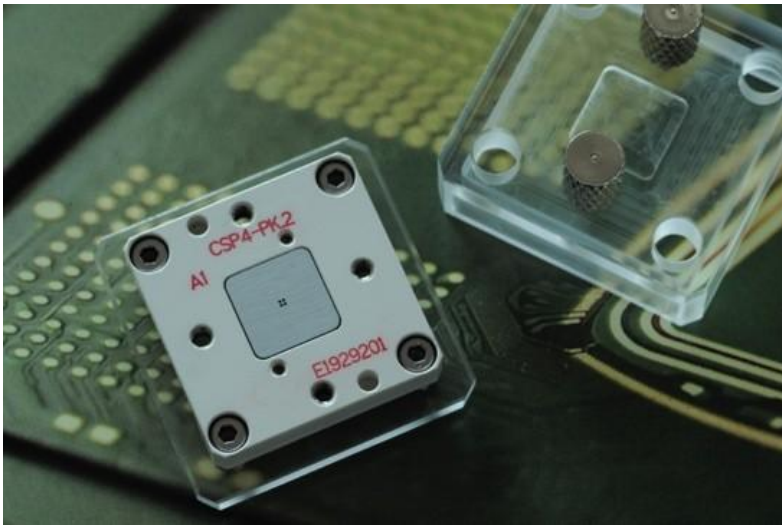
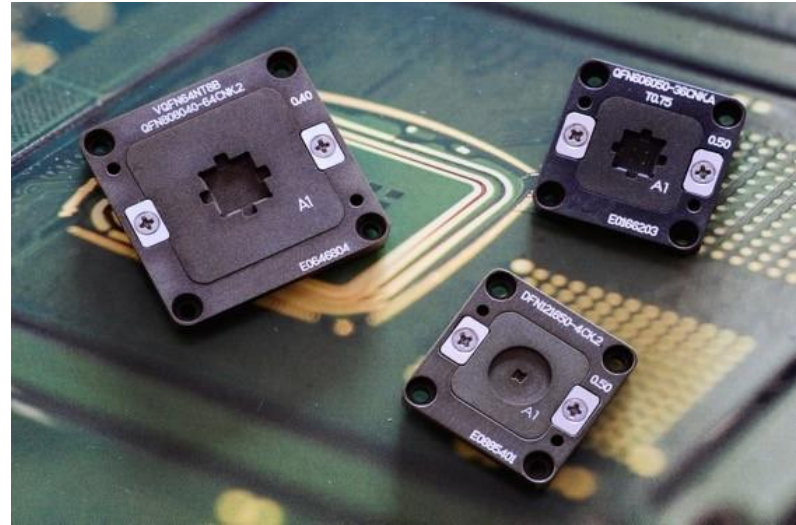
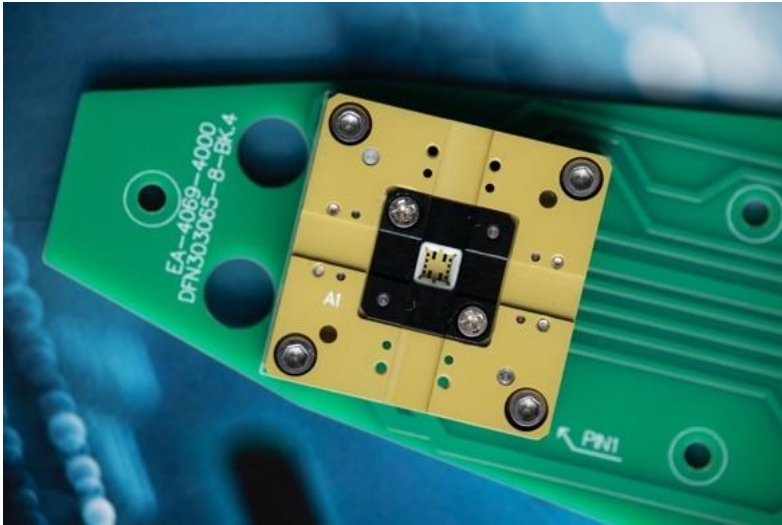


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Contact Socket For Turret Handler



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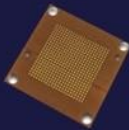


Interposer Socket

INTERPOSER

TPM

SANYU ELECTRIC PTE, LTD.

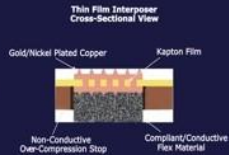


PRODUCT DESCRIPTION

Thin film interposer technologies are an alternative to the traditional probe technology, and are used to provide an electrically transparent temporary connection between chips and test equipment. Utilizing a pad defined, isotropic conductive elastomer, the extremely short current path, low resistance, and ultra-low inductance and capacitance of this technology delivers the clearest possible picture of how your chips are performing. This technology is particularly effective with high-frequency and high-current chips.

Specification

Bandwidth: < -1 dB through 40 GHz
Inductance: Self: 0.05 nH
Mutual: 0.015 nH
Capacitance: Mutual: 0.005 pF
Contact DC Resistance: < 50 mOhms
Current Carrying Capabilities: < 4 Amps per pin @ ambient
Environmental: -40° C - 150° C
Typical Contact Force: 15 - 25 grams / pin
Electrical Contact: ~ 0.012"
Contact Compliance: 0.003", 0.004", 0.005"
standard configurations



Outstanding Electrical Characteristics

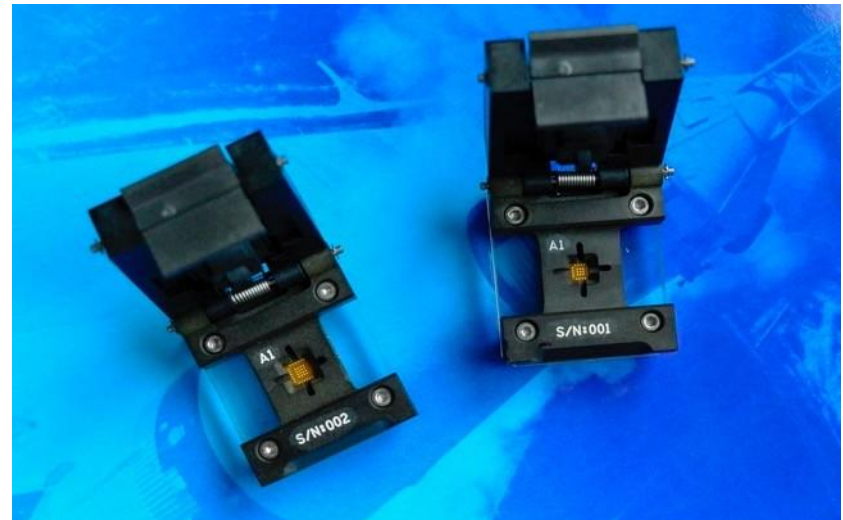
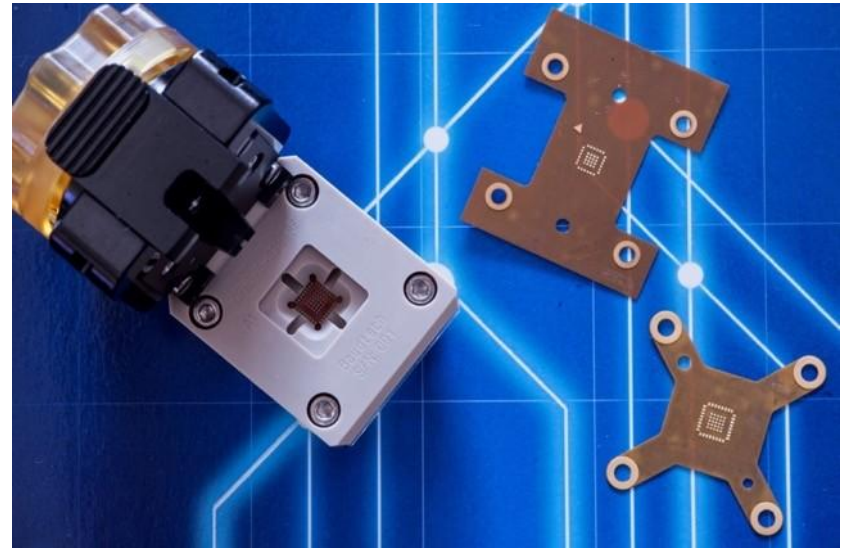
Utilizing a pad defined, isotropic conductive elastomer, the extremely short current path, low resistance, and ultra-low inductance and capacitance deliver the clearest possible signal to your test equipment; you will have the clearest possible picture of how your chip is performing. These materials have been used with clock speeds beyond 20GHz and currents up to 35 Watts.



How is it different?

Unlike spring pins that are machined, interposers are manufactured using photolithography. With this printing process, contactors can be manufactured at the finest pitches, even down to 0.2 mm. Due to the low profile design, interposers exhibit superior electrical performance. The electrical length of the contactor is only a fraction of the length of most spring pins resulting in very low capacitance and inductance. And because of the flexibility in design, interposers can be used for a wide range of footprints, including mixed pitch and custom keepouts. Interposers can even be used as a drop-in replacement for most other sockets.

www.sanyu-usa.com

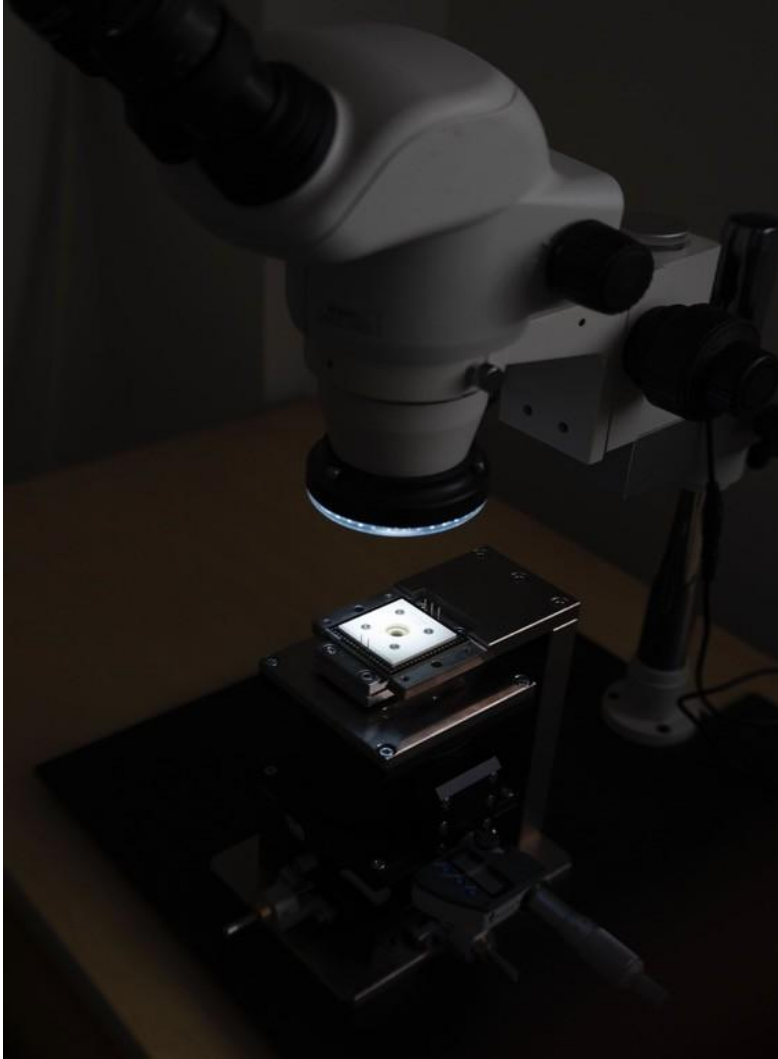


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KGD Socket

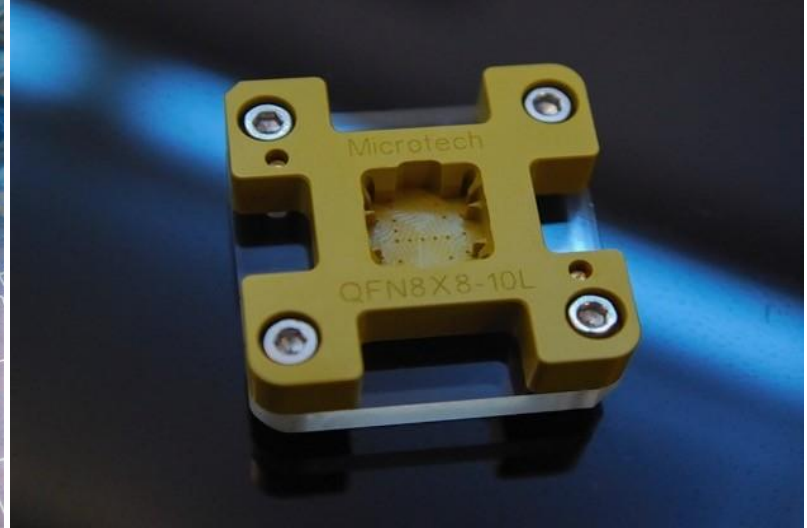
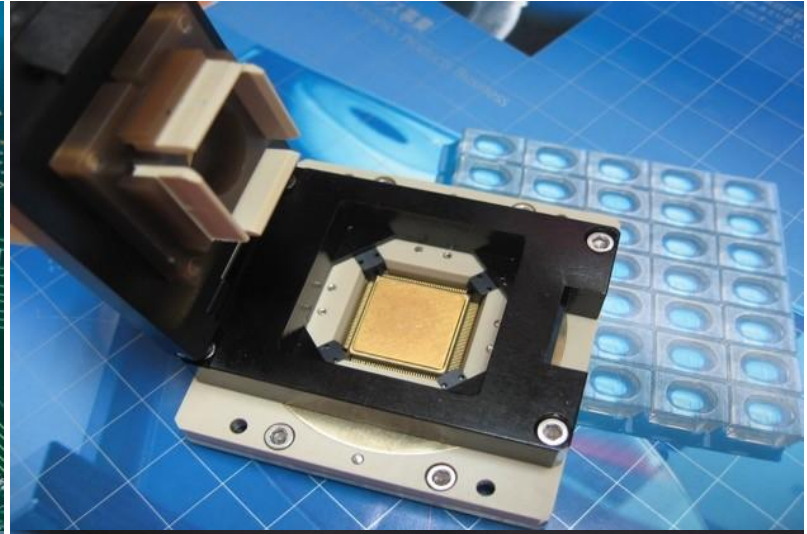


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Other Test Socket

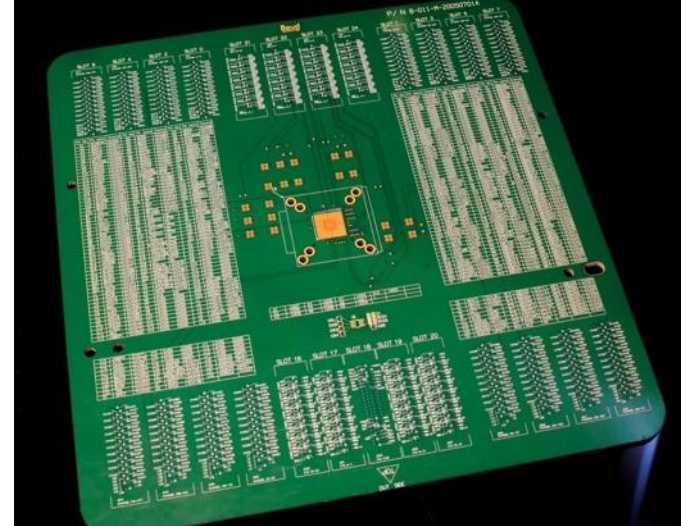
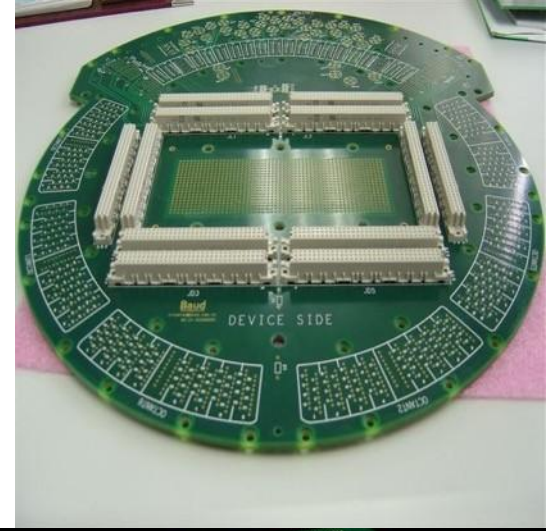
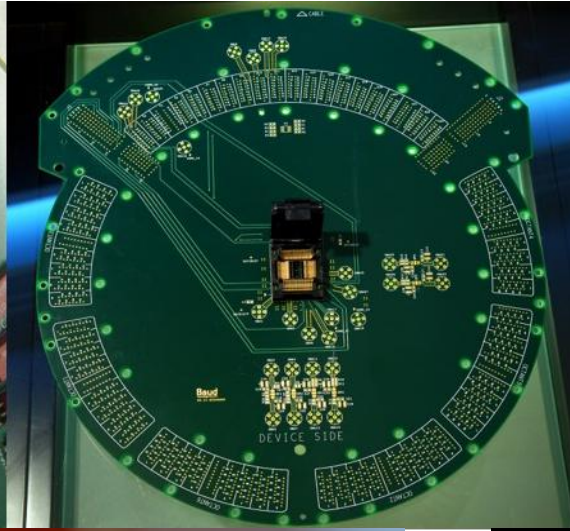
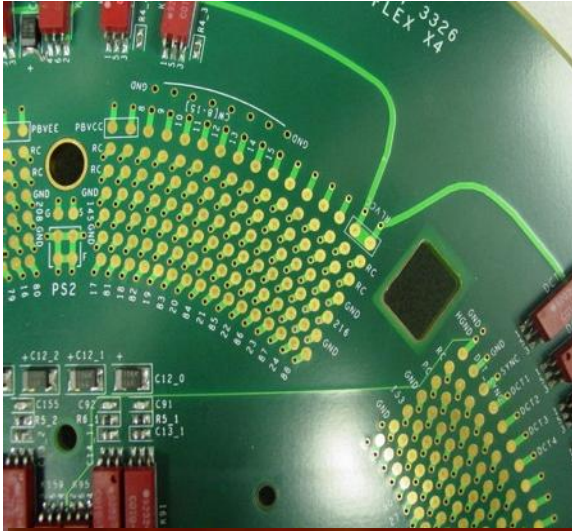


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Test Board

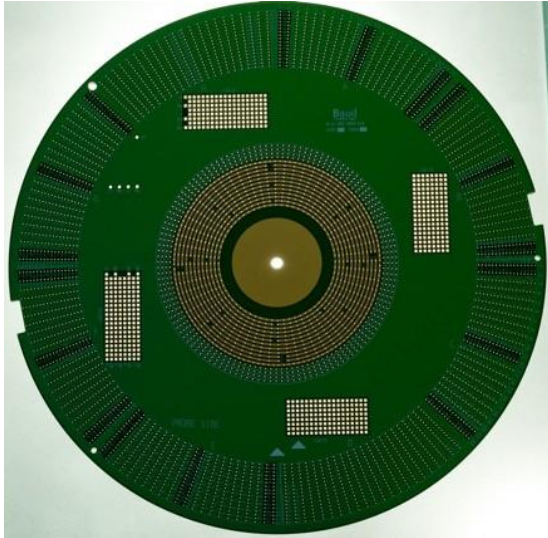


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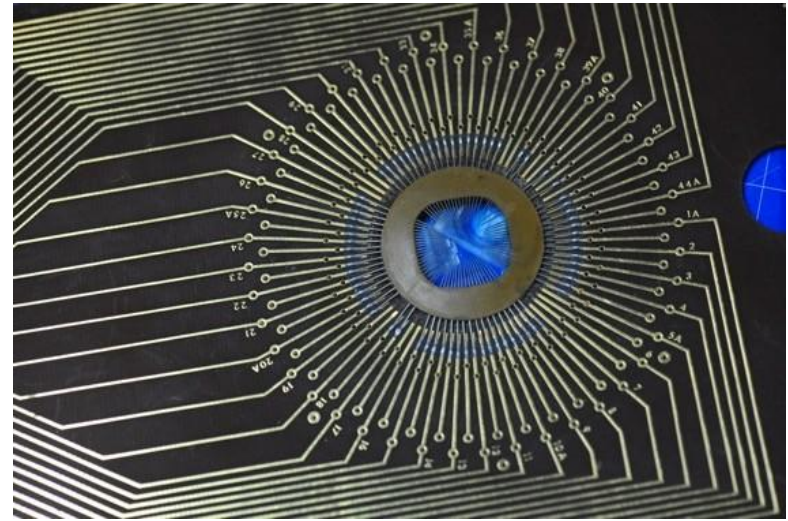
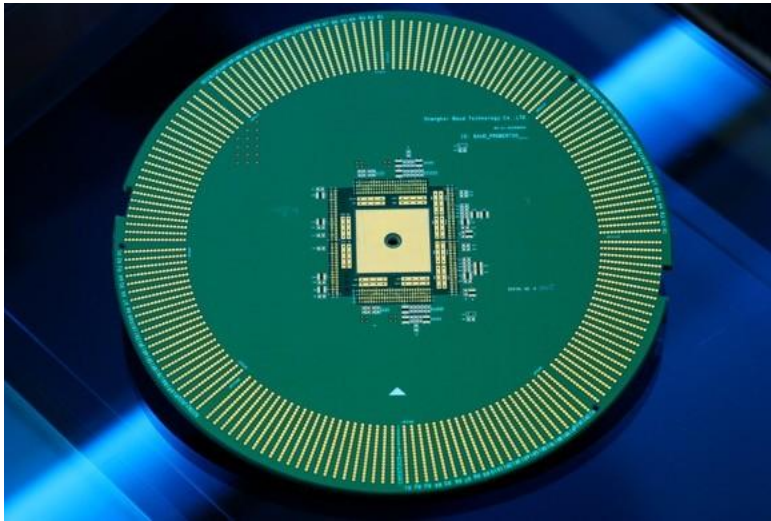
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Prober card



■ Prober card design and building, assembly



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Burn-in Board

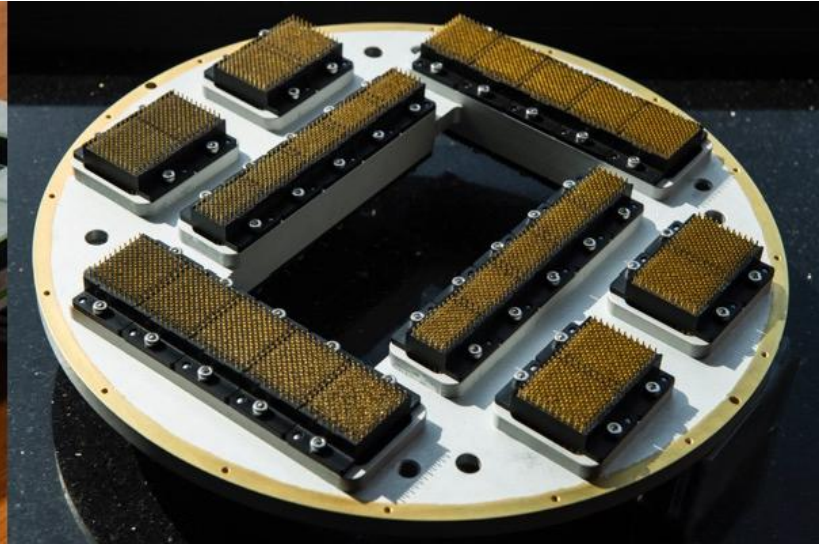
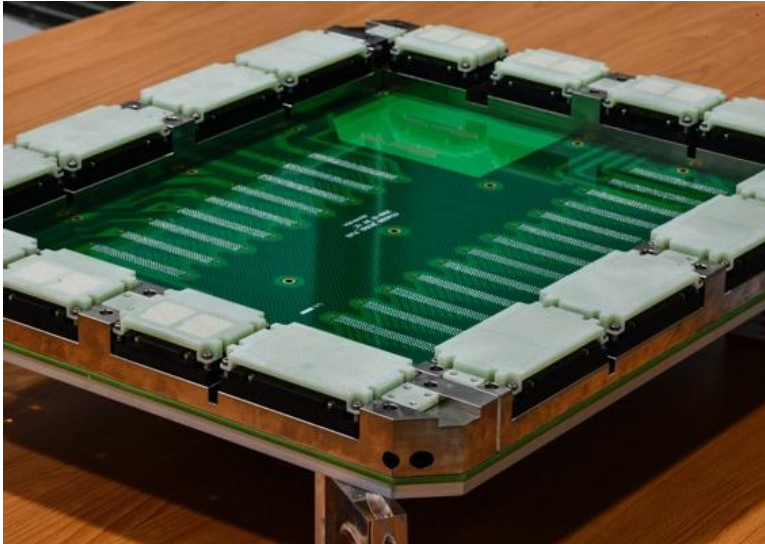


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Interface

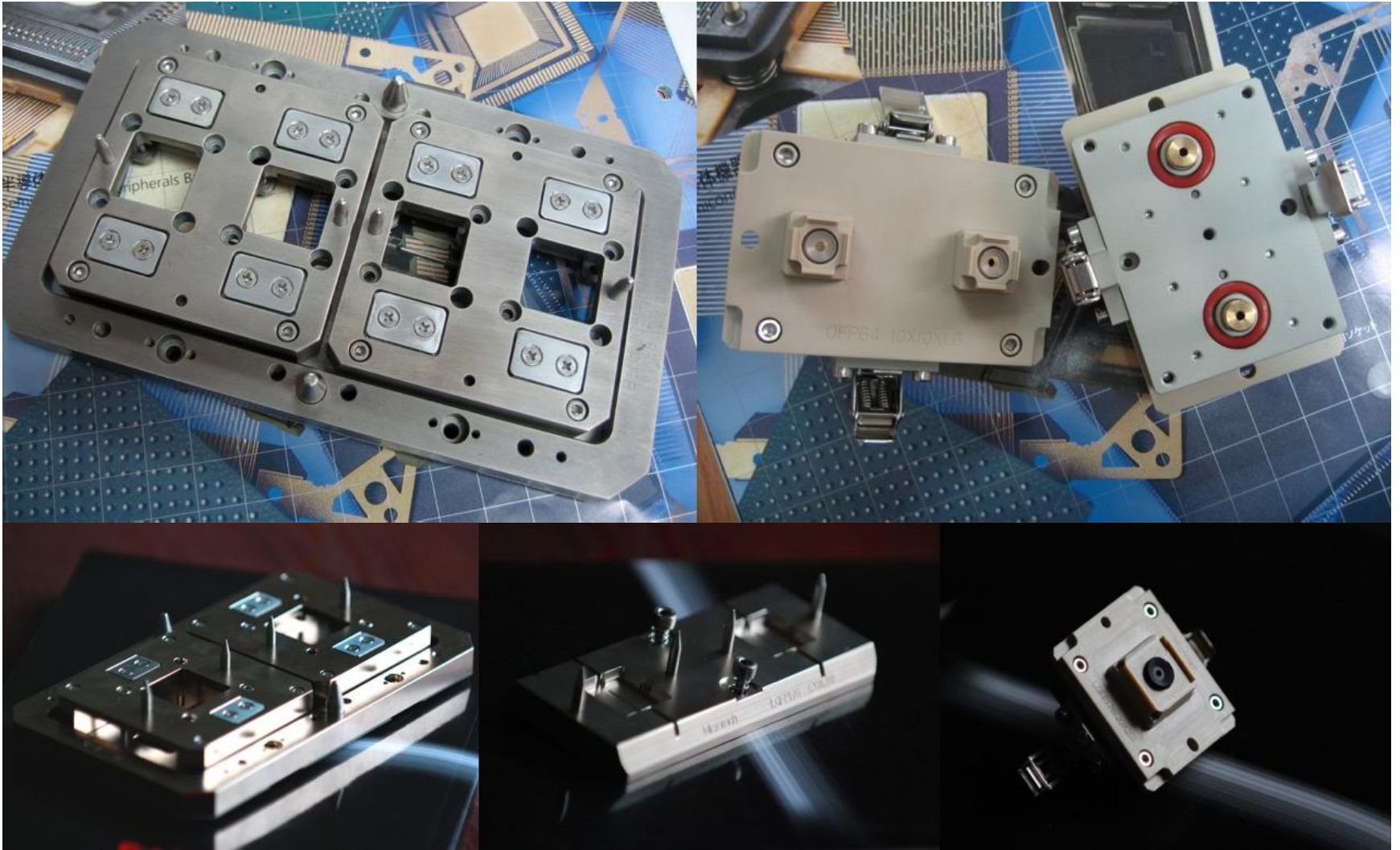


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Change Kit



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