

SDK Co.,LTD

<http://www.ksdk.co.jp>

Company Profile

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Head office

Company name : SDK Co.,LTD
CEO : Akito Takada
Establishment : Feb.2006
Capital : 20 million yen
Number of Employees : 60

Address:
7F, higashitotsuka West Bldg
90-6 Kawakamicho,Totsuka-ku Yokohama-shi,
Kanagawa-ken 244-0805 Japan
TEL: 045-392-9937

Itabashi office

Itabashikuritu Monodukuri Innovtion Center 5-D3-5-8,
Funato, Itabashi-ku, Tokyo, 174-0041, JAPAN

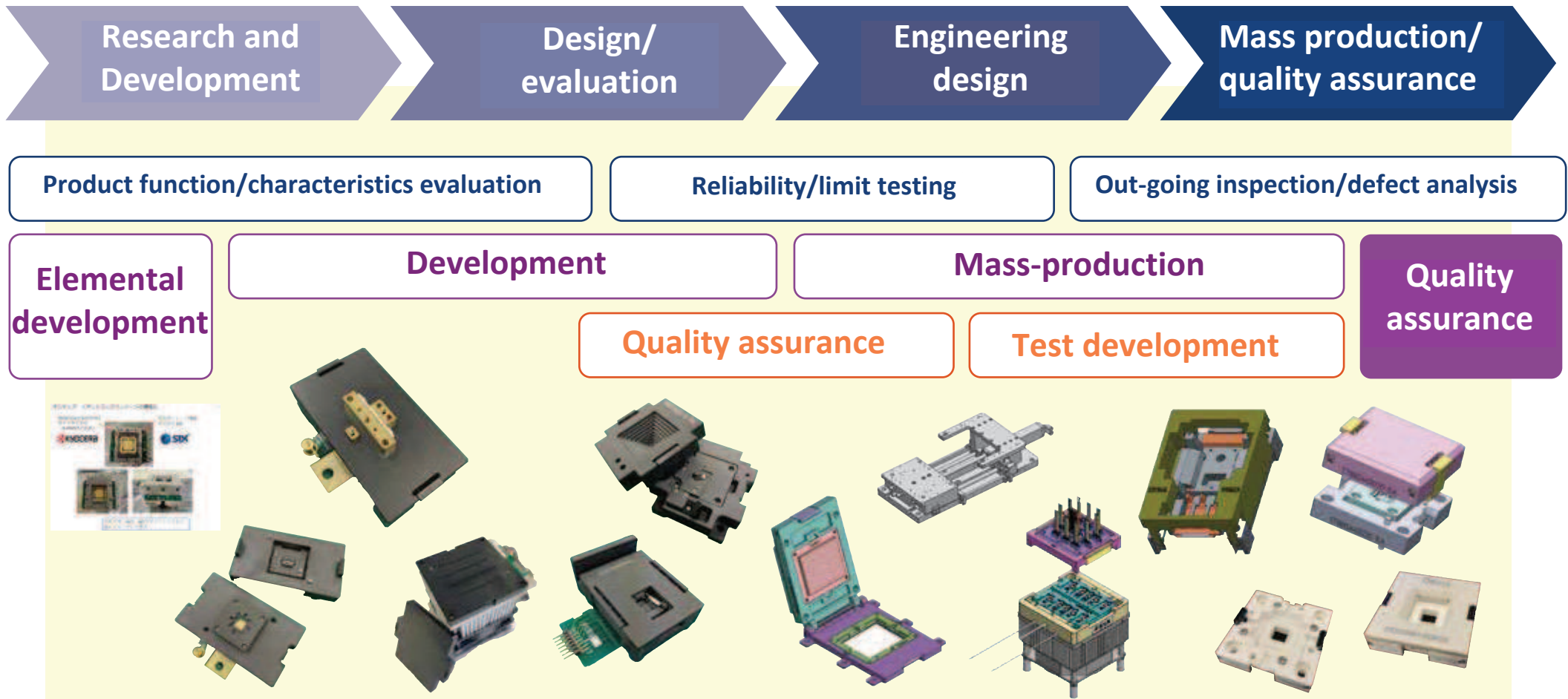
Korea Branch

〒15850, 17, Gosan-ro 148beon-gil, Gunpo-si, Gyeonggi-do, Republic of Korea (B, #1904, Gunpo IT Valley)

SDK (Guangzhou) Trading Co., Ltd.

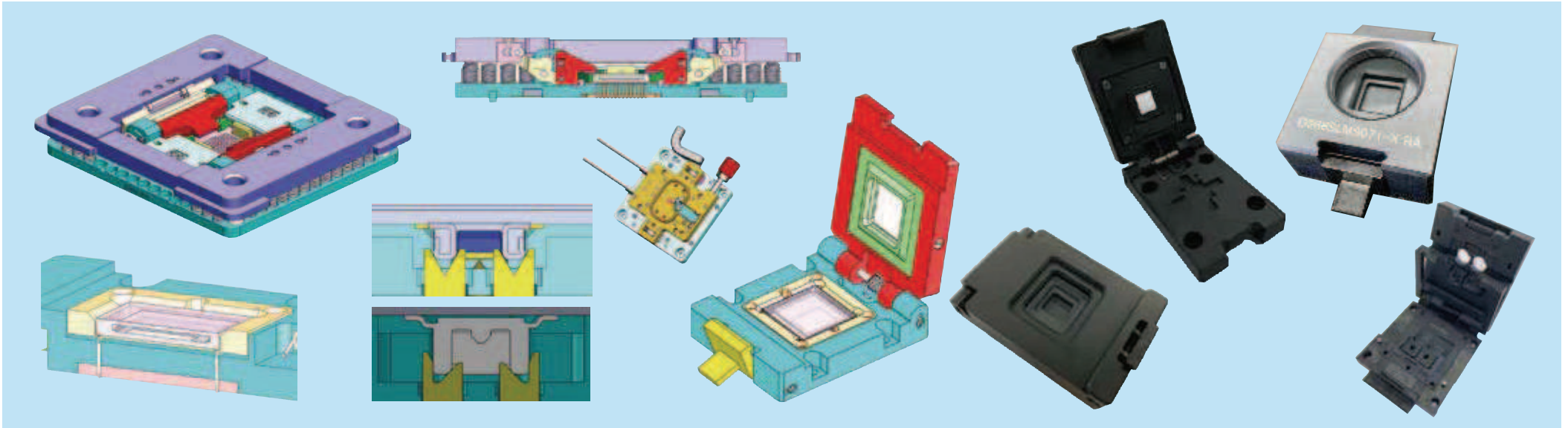
Unit A3103, Block A, Poly Clovis Zhongjing No. 406-2 Huasui Road,
Tianhe District, Guangzhou 510000,Guangdong China

SDK is useful for the following processes:



1) CMOS Sensor

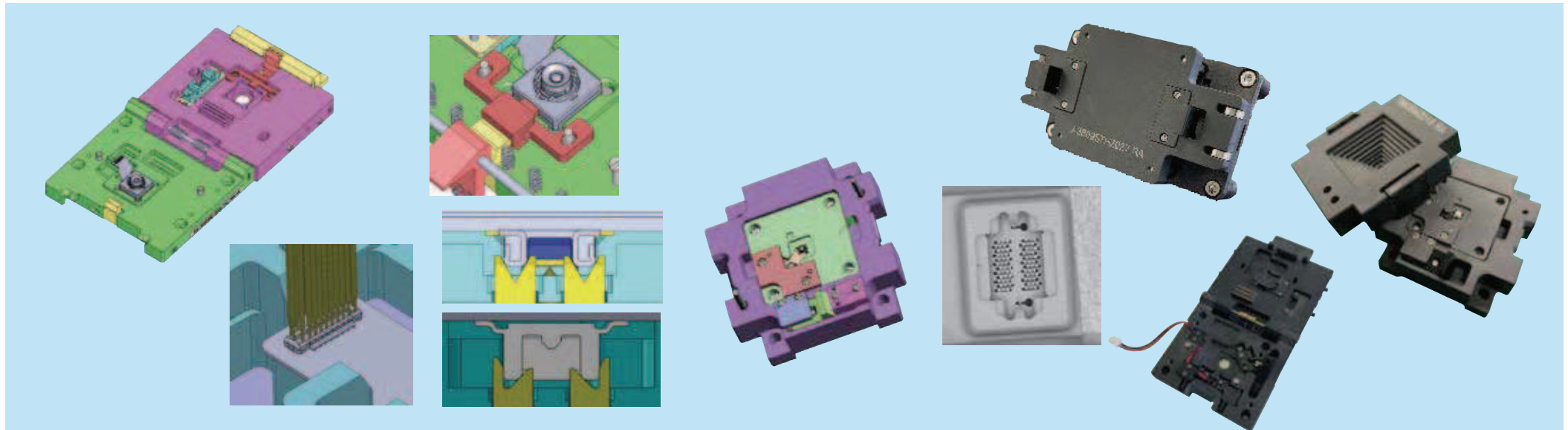
04



- Various socket types available (Clamshell / Open top / Separate type)
- Light source opening can be set at any angle to match the sensor surface
- A position correction and floating mechanism can be installed to set the device in the appropriate position regardless of its size.
- Patented special tip shape probe pin available for secure contact
- Possible to push device without touching the sensor glass surface.

2) Camera Module

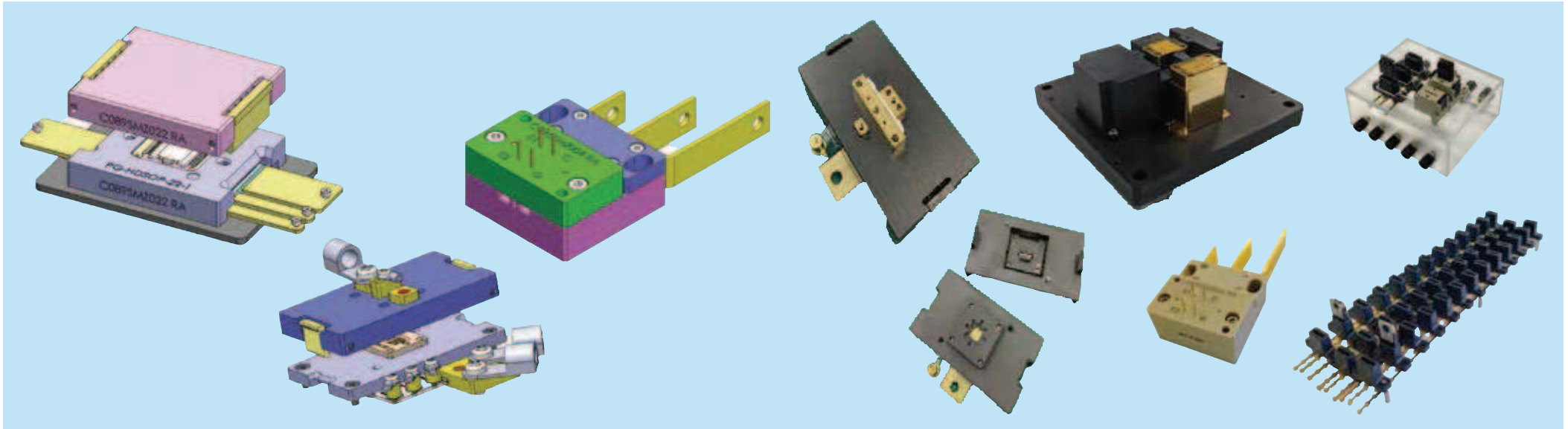
05



- Various Position correction mechanism that sets the evaluation target in the appropriate position regardless of its size or shape
- Contact for B to B connector
- Patented special tip shape probe pin available for secure contact
- Narrow pitch compatible (0.175mm possible/0.15mm pitch under development)
- Possible to develop socket according to module size and load limit

3) Power Devices

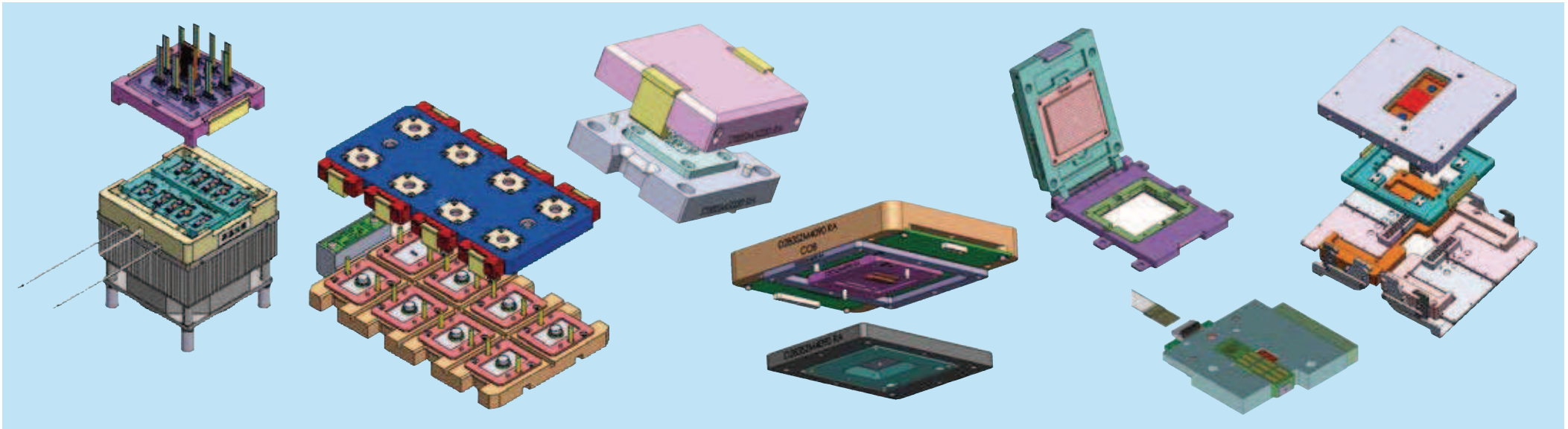
06



- Supports various products (modules, molds, chips)
- Supports large current (up to 1,000A) and high voltage (5kV or more) *Depending on usage conditions
- Maximum operating temperature range is 200C. *300C is also available upon request.
- Possible to develop products according to test environment (equipment)

4) Applied Products

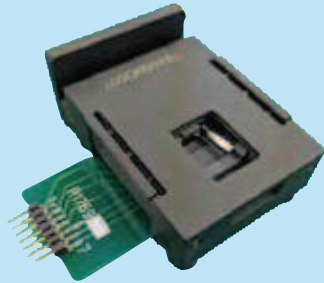
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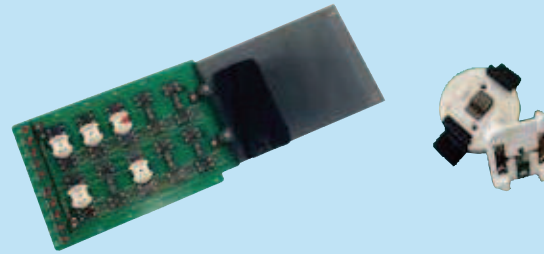
- Product development tailored to the customer's measurement environment/specifications (Peltier systems/heaters/thermocouples, multiple units, etc.)
- Supports various contact shapes by adopting patented special tip shape probe pins, etc. (Leads, through holes, pads, BtoB connectors, etc.)
- You can purchase/replace components and units that are not available in general-purpose products.
 - *Parts replacement instructions are available.
- Custom-made to suit customer requirements is possible.

5) Examples of products development

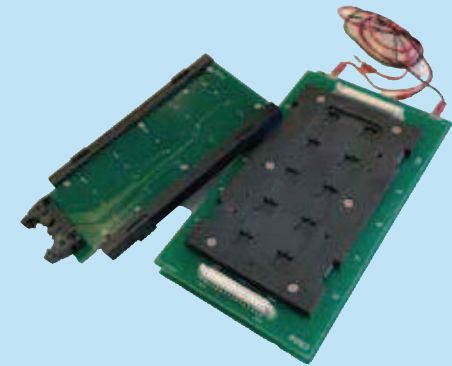
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Wireless module board development socket



Laser diode chip aging socket
(Left: multiple chips mounted, Right: socket)



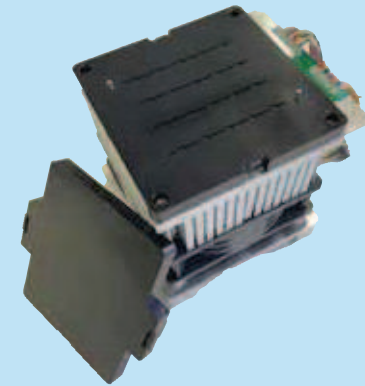
Laser diode CAN aging socket



Clip contact type socket



Socket for checking short circuit operation



With Peltier/Multiple LED Aging Socket

The products shown are examples of products we have developed.
Please feel free to contact us.

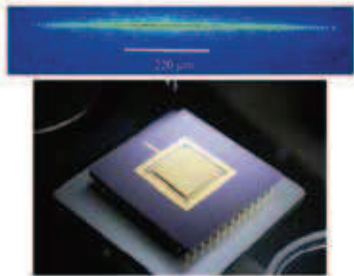
5) Research and development collaboration

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Based on a request from Osaka University, they adopted SDK Socket.

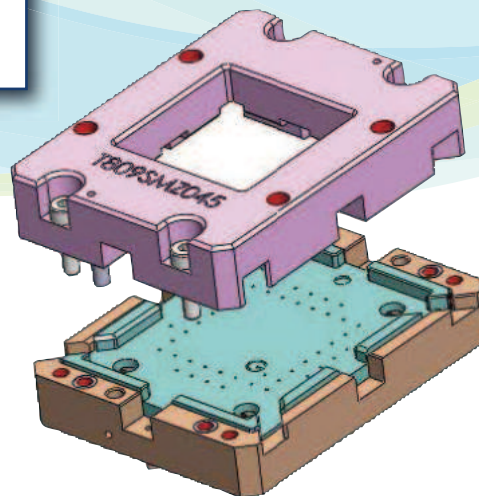
CREST量子技術公開シンポジウム 2023年4月27日
東京大学 伊藤記念ホール

On-chip ion trap for quantum system integration



大阪大学 基礎工学研究科
情報通信研究機構 (NICT)

田中 歌子



Standardization of on-chip ion trap packages

45LGA (Land Grid Array)
京セラ株式会社
(Q-STAR特別会員)

真空用ソケット T809
株式会社 SDK



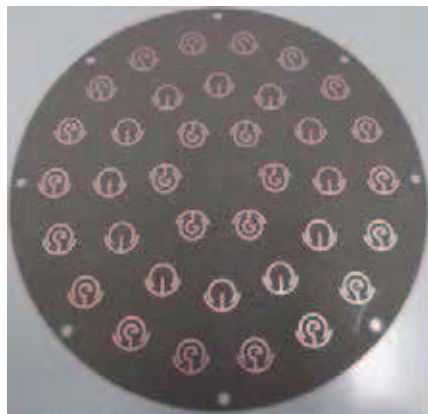
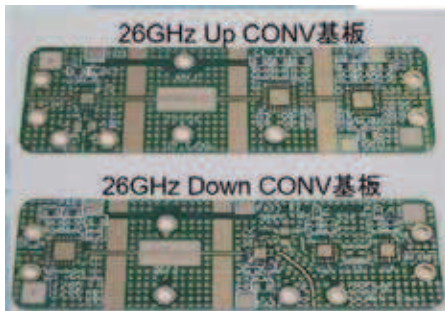
大阪大学、NICT、QSTでテストしたうえで
他のグループにも提供

7) SDK is more than just sockets

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High speed digital circuit board



Analog high frequency antenna board



Analog high frequency

Supports a wide variety of board materials. Supports hybrid boards. Experience in designing and producing 50GHz band boards.



High speed digital

Design and manufacture of CPU boards including DDR4 and PCIe-gen3. Design and manufacture of DDR4 x 32 boards.



Power supply (power electronics)

Board material copper foil thickness up to 70μm compatible Thick copper boards up to 400μm compatible MHz band power supply board design and manufacturing experience



High responsiveness

Schedule, cost, performance, design, and customer requirements are met



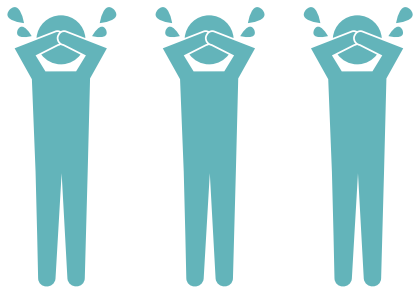
Quality and Environmental Initiatives

ISO9001 certification
ISO14001 certification
Formulation and implementation of environmental management system

7) SDK is more than just sockets

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If you don't choose a partner, the circuit won't work.



As electronic circuits continue to become faster, more frequent, and more powerful, their operation depends on the next step, the board design. High-end electronic circuit design requires a partner with experience in boards and ample accumulated data.

2.4GHz band printed Yagi antenna board for drone remote control
1.2GHz band printed Yagi antenna board for drone (Brobo)
Radar signal processing circuit board (3GHz~18GHz)
Radar transmit/receive batch array antenna board (10GHz band)
Radar transmit/receive printed Yagi antenna circuit board (950MHz band)
Sheet-type batch antenna substrate (for 2.4GHz and 5.2GHz bands)
Radial line microstrip antenna array board (12GHz)
Modulation and demodulation circuit board (1KHz~1GHz)
Up/down converter board (3GHz~26GHz)

SDK has over 30 years of experience in PCB design and manufacturing.



SDK's PCB design department is a group of experts with over 30 years of experience and accumulated data, and has an overwhelming track record in the design and manufacture of high-frequency, high-speed digital and power supply boards.

Board using USB3.0
Board using PCIe_gen3 Board equipped with 32
DDR4_2400 Board equipped with 16
DDR3_1600 Mobile accessory board with
DDR2_800 High-speed response power supply board
equipped with DDR2_800 High-speed signal processing
board using
FPGA PLD DSP High-speed signal processing board using
large-scale BGA, FPGA, PLD, and DSP

that's why...



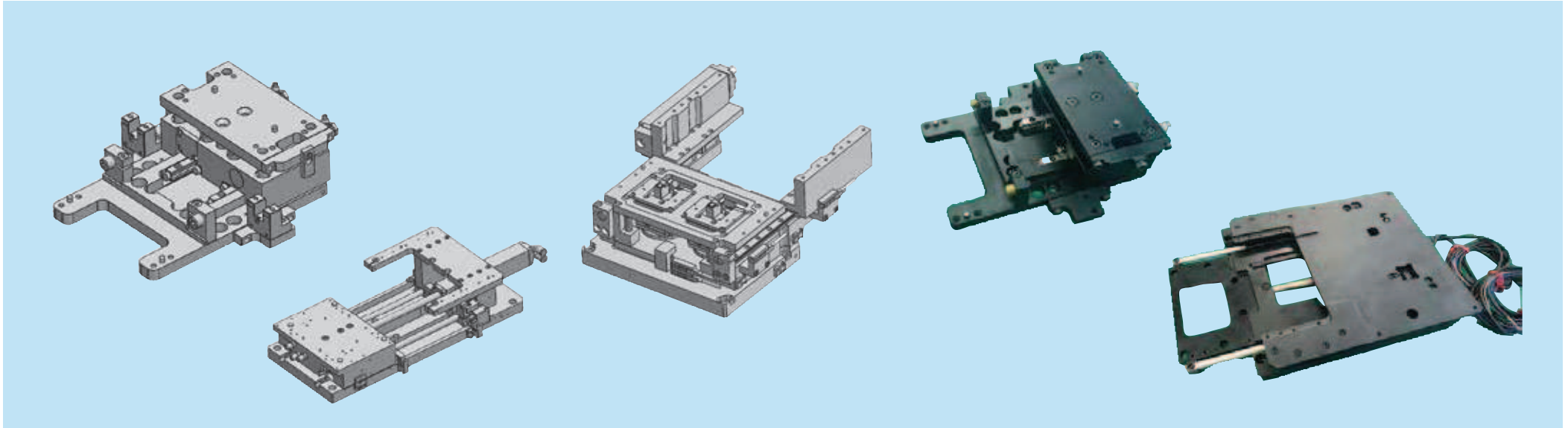
Leave your high-end
board design to us

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For other technical information, track record, published papers, etc., please visit our website.
<https://www.ksdk.co.jp/link/openreport.php> SDX

7) Actuator

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- A full product lineup with various sizes and strokes
- Compatible with both electric and air
- Cross roller guide allows for precise transfer
- Can be made of a variety of materials including aluminum, brass, and stainless steel
- Product development is possible according to requests for size, precision, rigidity, etc., in accordance with equipment, and further according to SDK sockets.

"Yui" Total solution

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