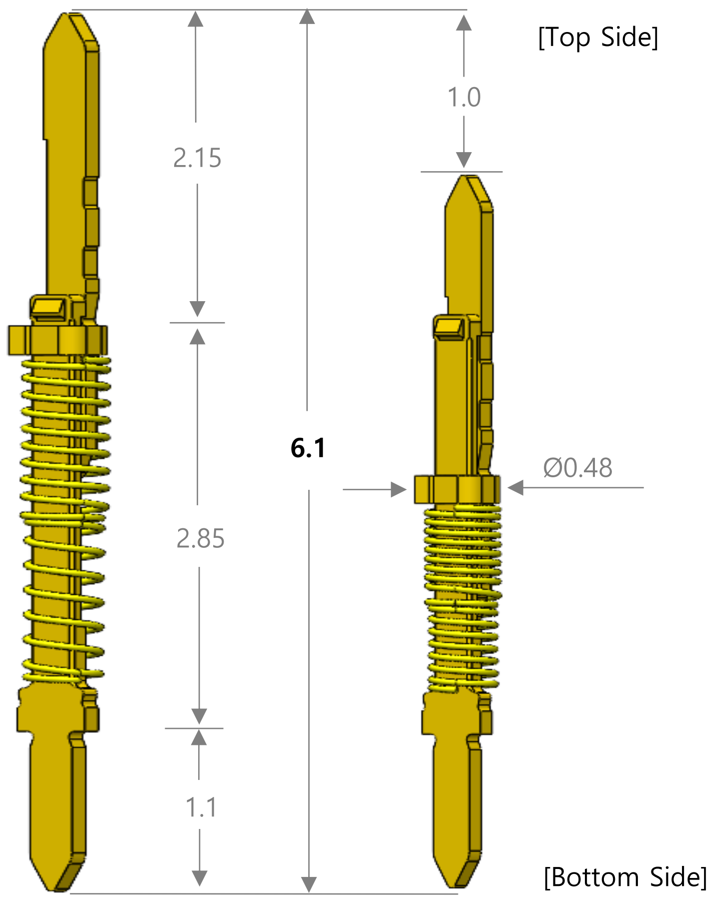
1. Products – 1) Stamped Probe Pin

Application

- LGA , Interposer
- 0.8P , 1.0P , 1.27P



Unit [mm]

Mechanical Spec.

Recommended Travel	10.0 gf±12% @ 1.00mm
Full Travel	14.5 gf±12% @ 1.30mm
Temperature	-40 °C ~ 150 °C

Material & Plating

Part	Material	Plating
Top/Bottom Plunger	Hardened BeCu	Ni, Au Plated
Spring	Stainless Steel	Ni, Au Plated

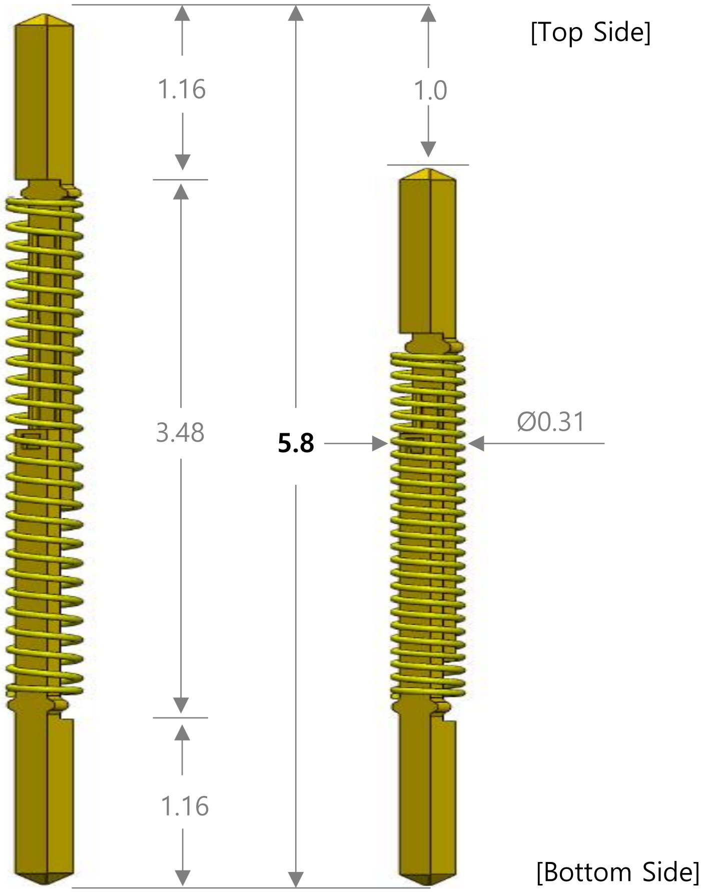
Electrical Spec.

Current Rating	3A Continuous
Resistance	> 100mΩ
Insertion Loss	12.35GHz @ -1dB
Return Loss	8.47GHz @ -20dB

1. Products – 1) Stamped Probe Pin

Application

- LGA , Interposer
- 0.5P Over



Unit [mm]

Mechanical Spec.

Recommended Travel	7.0 gf±10% @ 1.00mm
Full Travel	10.0 gf±10% @ 1.35mm
Temperature	-40 °C ~ 150 °C

Material & Plating

Part	Material	Plating
Top/Bottom Plunger	Hardened BeCu	Ni, Au Plated
Spring	Stainless Steel	Ni, Au Plated

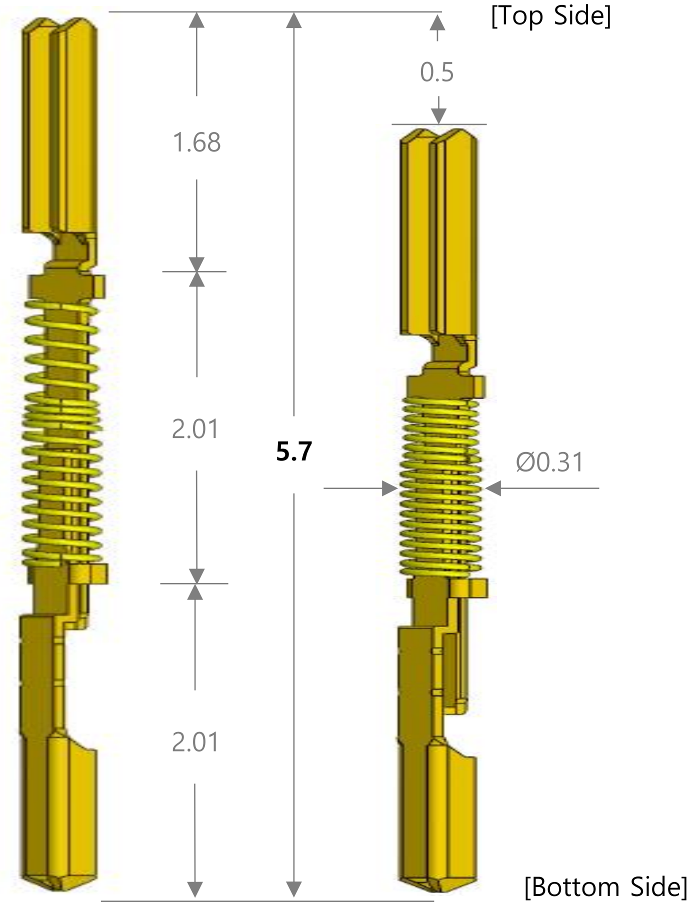
Electrical Spec.

Current Rating	3A Continuous
Resistance	≤150mΩ
Insertion Loss	10.04GHz @ -1dB
Return Loss	7.86GHz @ -20dB

1. Products – 1) Stamped Probe Pin

Application

- BGA , LGA , QFP , TSOP
- 0.4P Over



Unit [mm]

Mechanical Spec.

Recommended Travel	15.0 gf±10% @ 0.50mm
Full Travel	18.0 gf±10% @ 0.60mm
Temperature	-40 °C ~ 150 °C

Material & Plating

Part	Material	Plating
Top/Bottom Plunger	Hardened BeCu	Ni, Au Plated
Spring	Stainless Steel	Ni, Au Plated

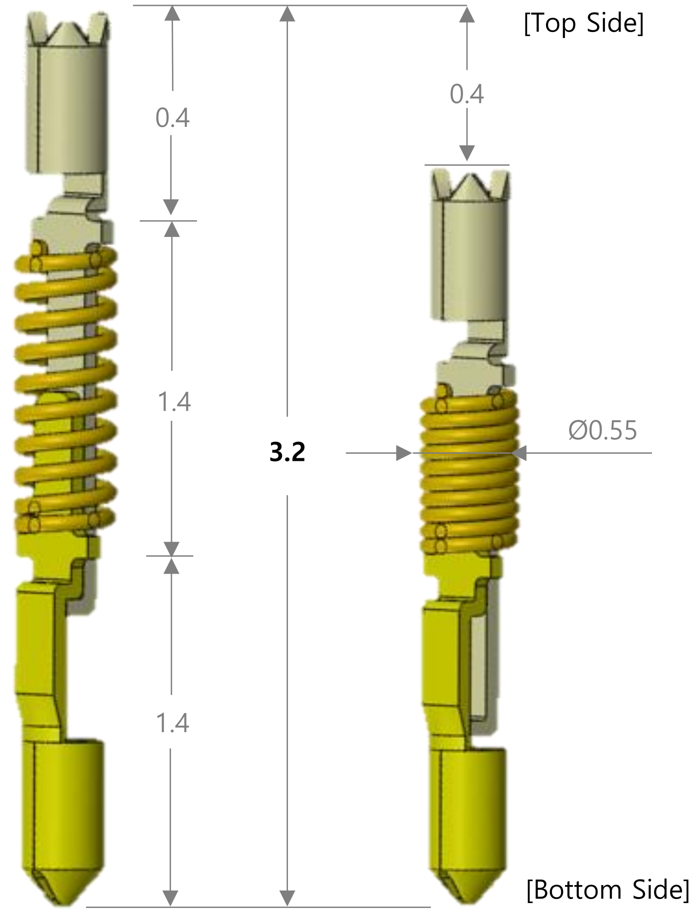
Electrical Spec.

Current Rating	3A Continuous
Resistance	≤100mΩ
Insertion Loss	9.70GHz @ -1dB
Return Loss	4.84GHz @ -20dB

1. Products – 1) Stamped Probe Pin

Application

- BGA , LGA , QFP , QFN , TSOP
- 0.8P , 1.0P , 1.27P



Unit [mm]

Mechanical Spec.

Recommended Travel	20.0 gf±10% @ 0.40mm
Full Travel	25.0 gf±10% @ 0.55mm
Temperature	-40 °C ~ 150 °C

Material & Plating

Part	Material	Plating
Top/Bottom Plunger	Hardened BeCu	Ni, Au Plated
Spring	Stainless Steel	Ni, Au Plated

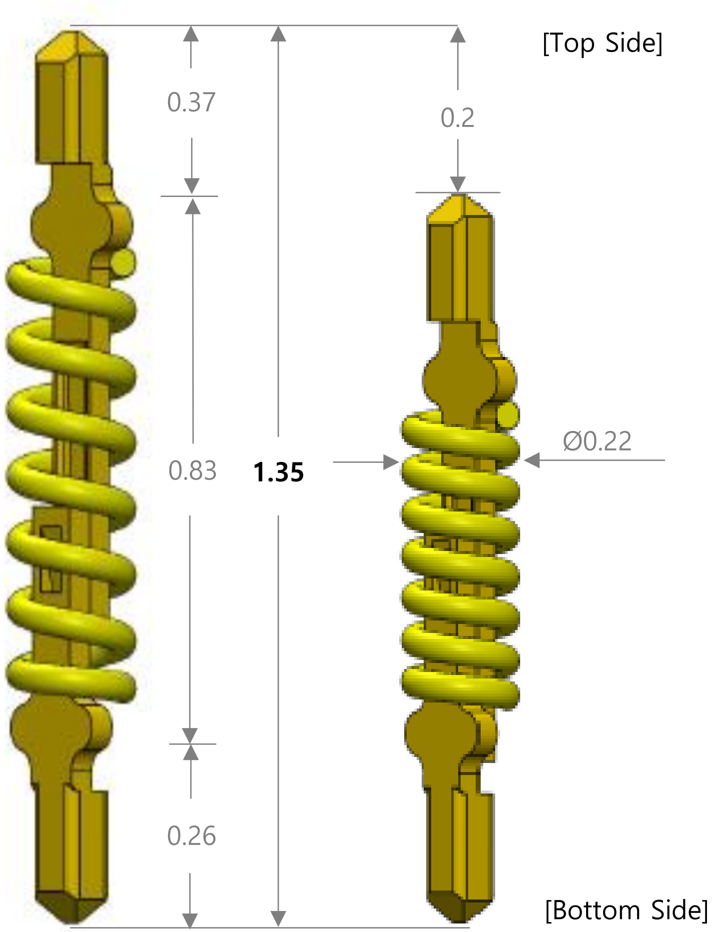
Electrical Spec.

Current Rating	3A Continuous
Resistance	≤100mΩ
Insertion Loss	31.37GHz @ -1dB
Return Loss	12.66GHz @ -20dB

1. Products – 1) Stamped Probe Pin

Application

- BGA , LGA , QFP , QFN , TSOP
- 0.3P



Unit [mm]

Mechanical Spec.

Recommended Travel	20.0 gf±10% @ 0.20mm
Full Travel	25.0 gf±10% @ 0.25mm
Temperature	-40 °C ~ 150 °C

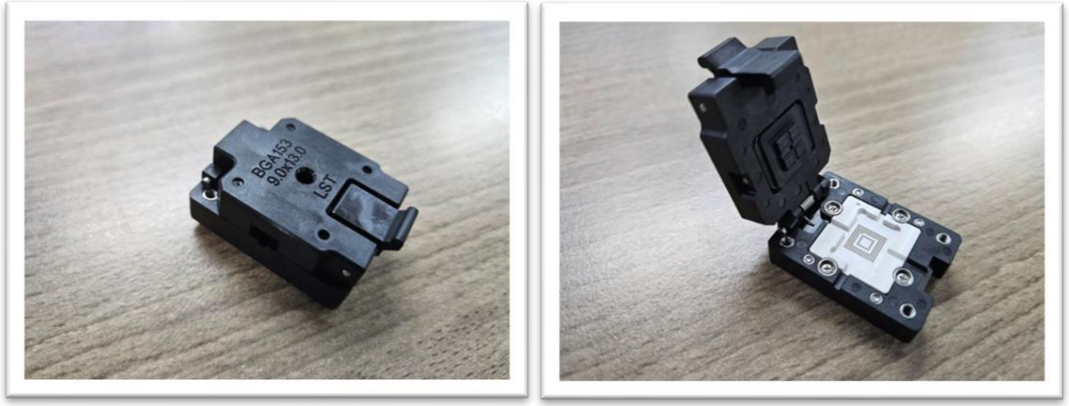
Material & Plating

Part	Material	Plating
Top/Bottom Plunger	Hardened BeCu	Ni, Au Plated
Spring	Stainless Steel	Ni, Au Plated

Electrical Spec.

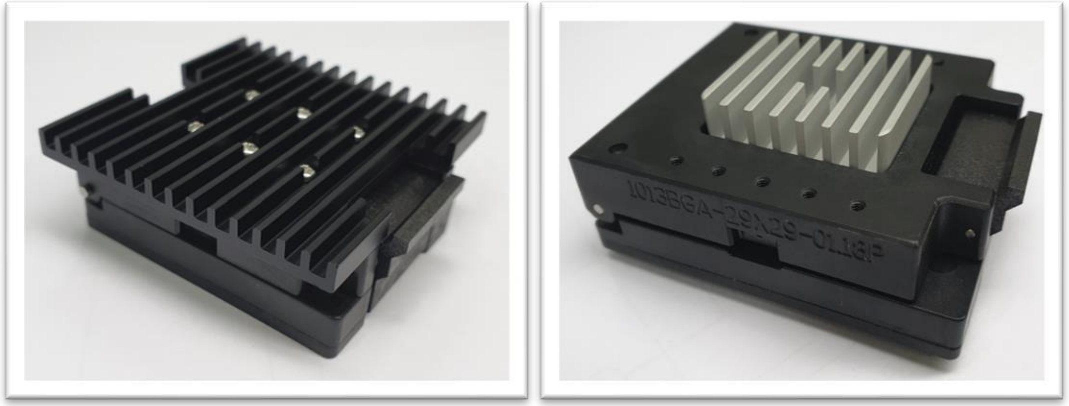
Current Rating	2A Continuous
Resistance	≤100mΩ
Insertion Loss	35.01GHz @ -1dB
Return Loss	19.16GHz @ -20dB

1. Products – 2) Test & Burn-in Socket



Clam Shell Type

Rotary Type



Heat Sink Type

Open Top Type

1. Products – 2) Test Socket

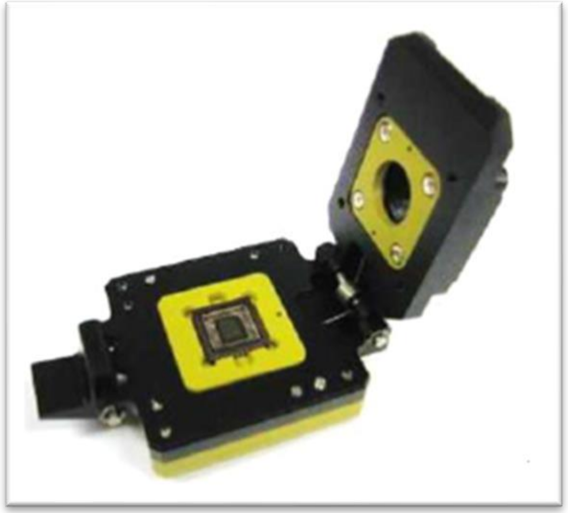
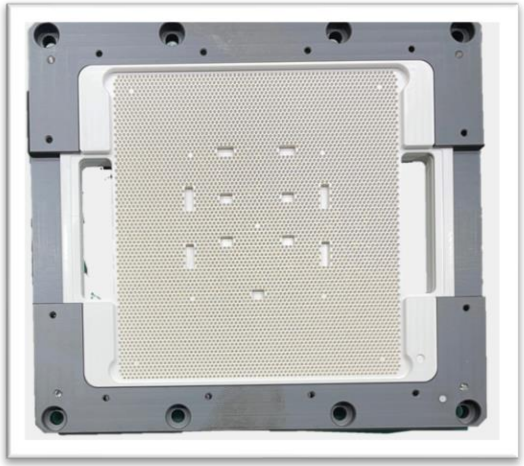
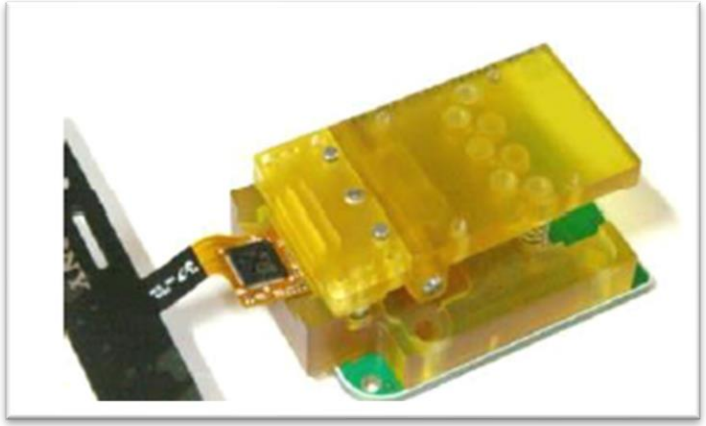


Image Sensor

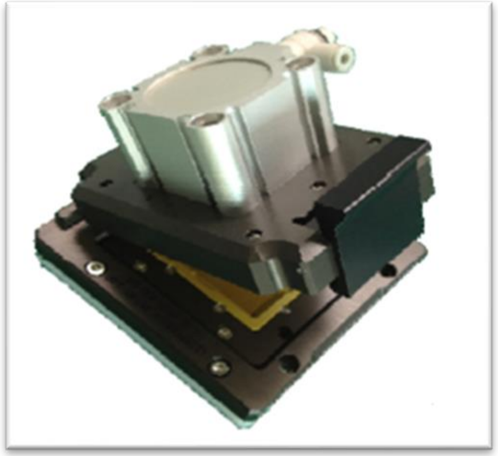


Pin Block



Clamp Type

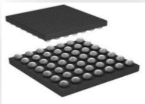
FPCB Test JIG



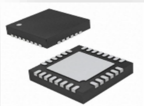
Air Cylinder Type

Dead Bug Socket

1. Products - 2) Test Socket

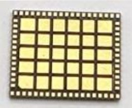


WLCSP/BGA

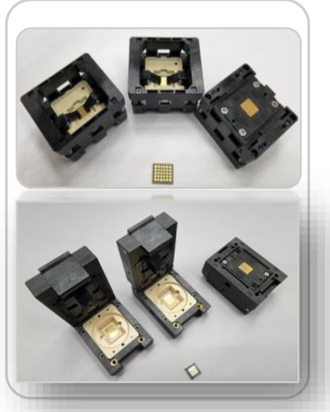


QFN,DFN

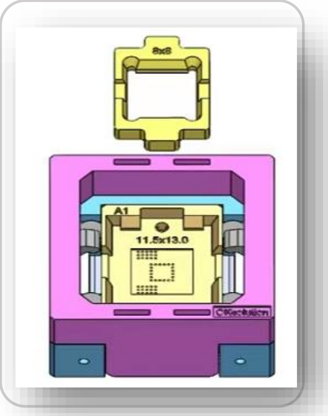
QFP, SOP



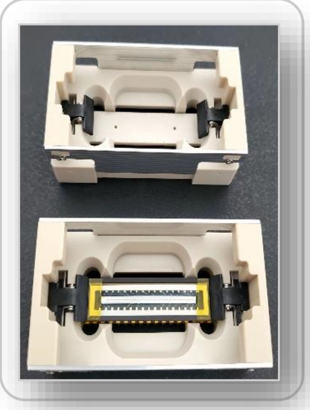
CU Heat sink

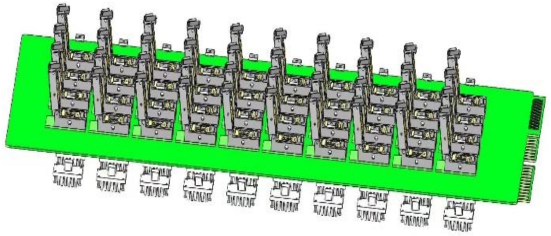


IC Compatible



Special Module Blocks





1. Products - 2) Test Socket

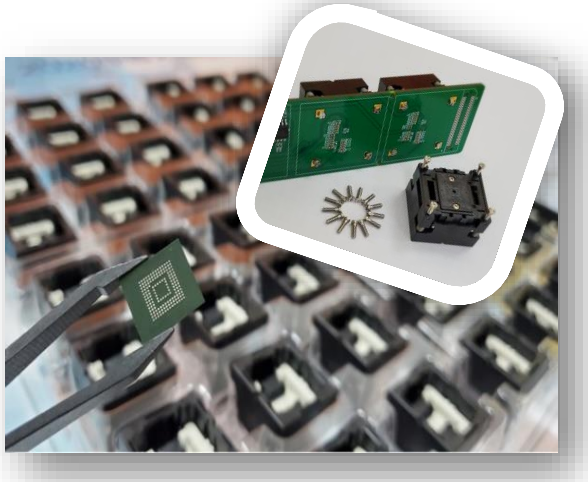
① **Lead Time in 20 days**

② **Cost-efficient socket**

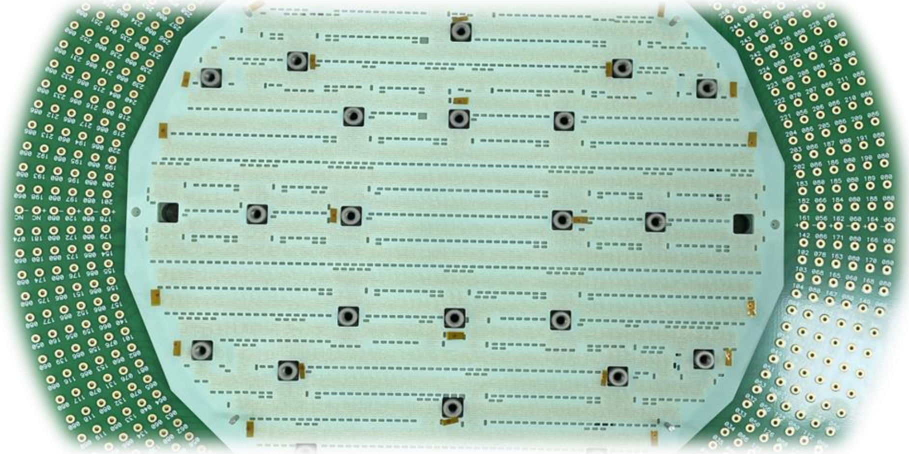
③ **Coverage anyone IC Package**

④ **Applied high performance Probe Pin in Socket**

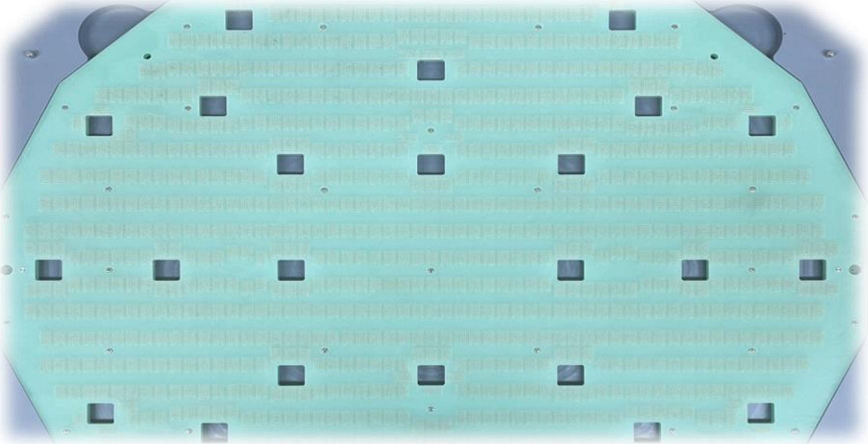
⑤ **Socket size : 26x26, 28x32**



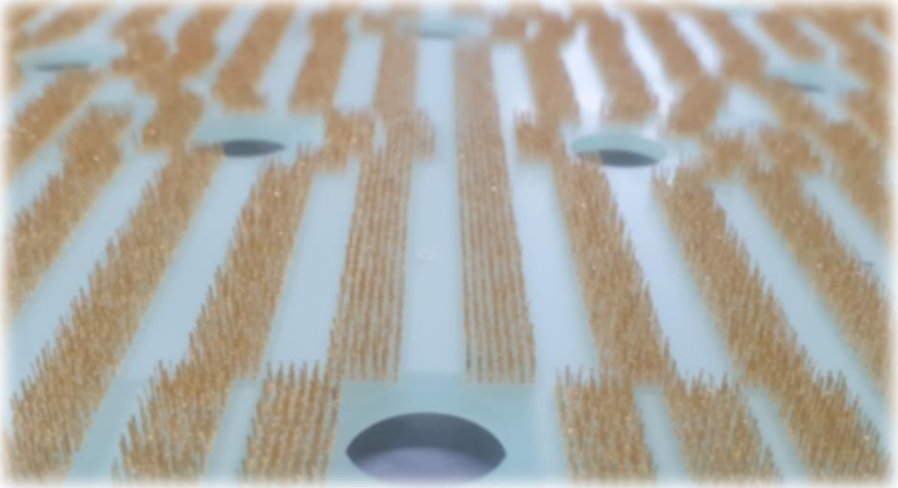
1. Products – 3) Interposer



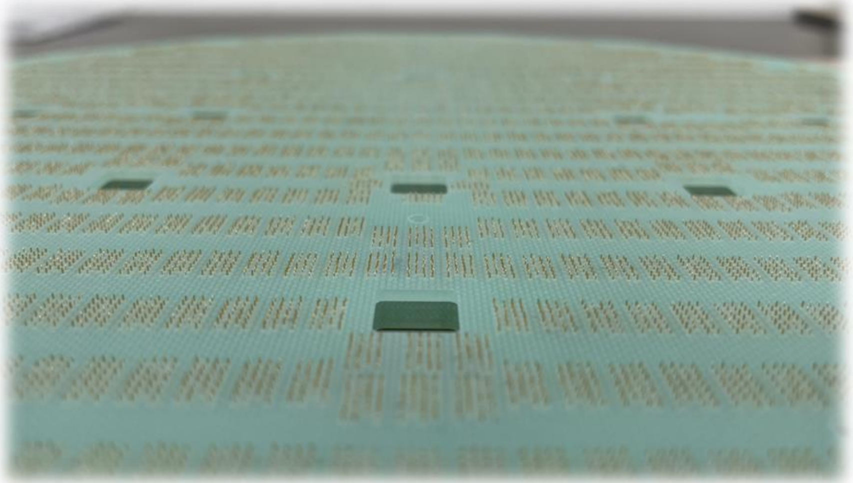
Interposer on Test Board



Interposer

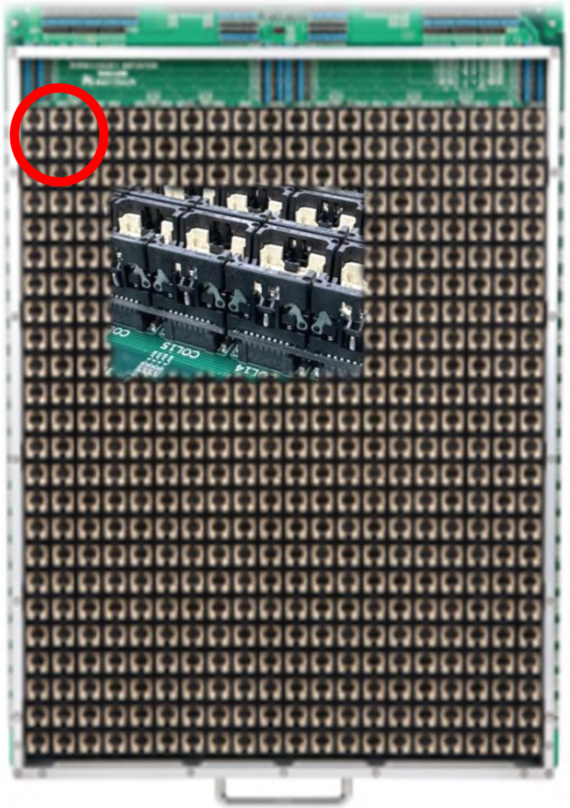


Interposer

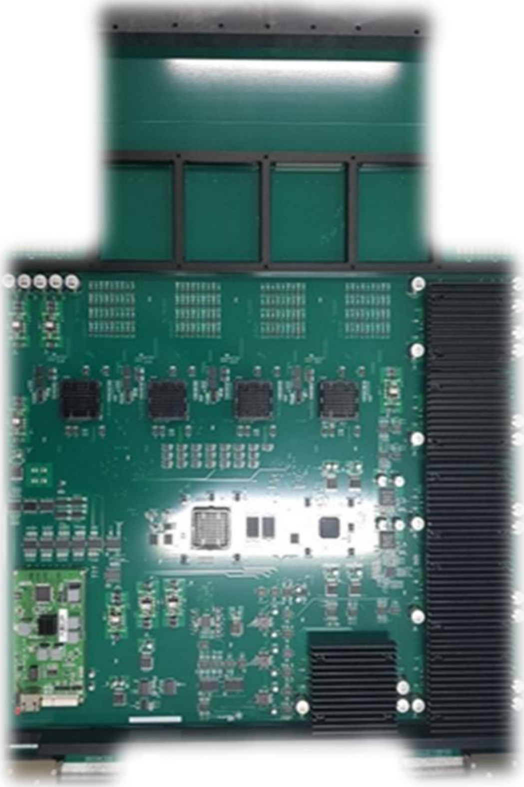


Interposer

1. Products – 4) Test & Burn-in Board



Burn-In Board

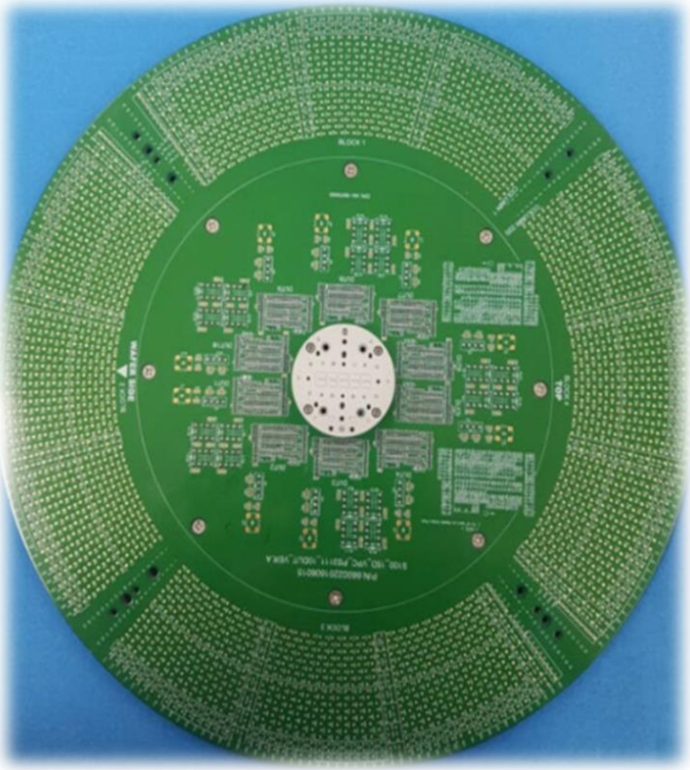


System Board

Logic BIB

HAST Board

1. Products – 5) SMT & Assembly



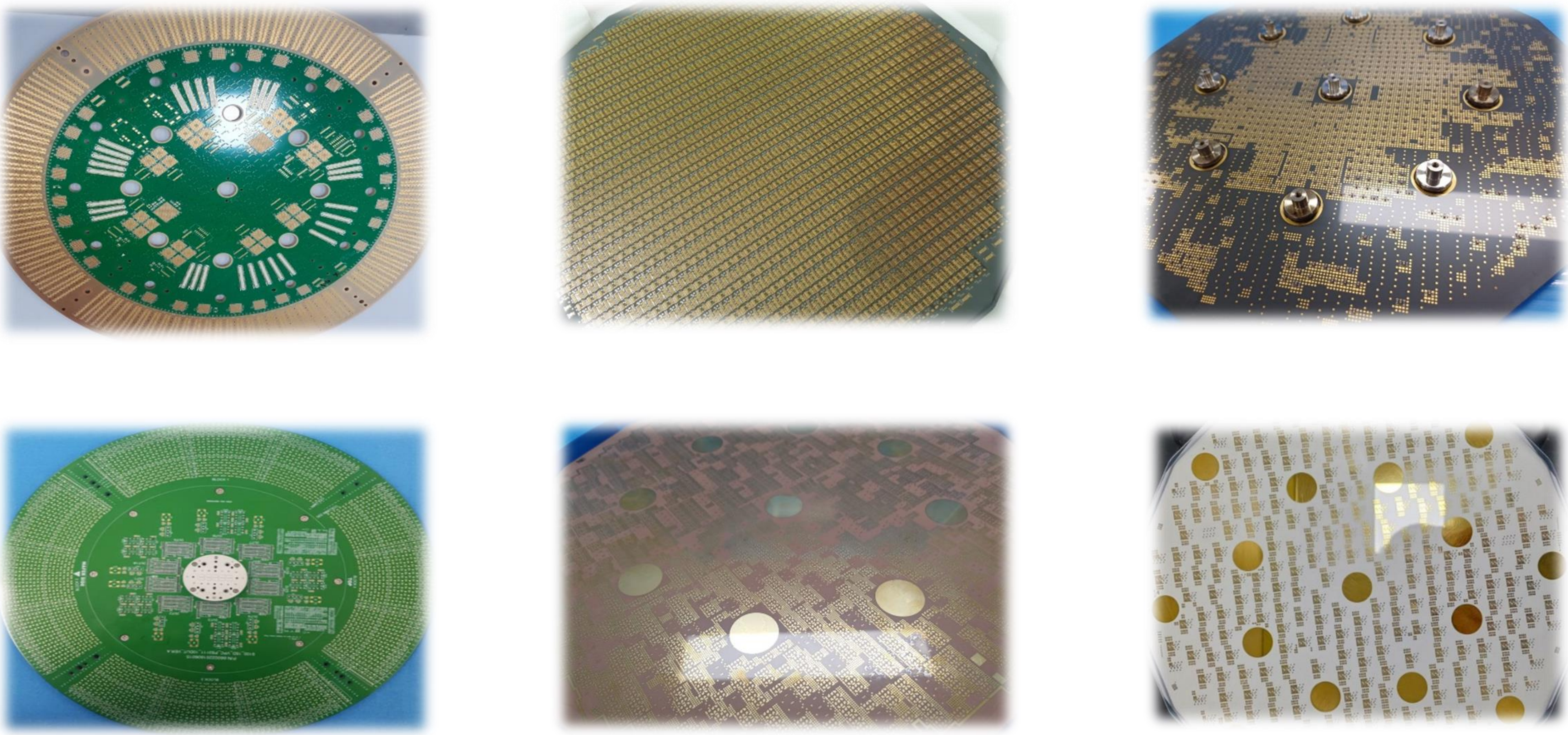
Probe Card

LCD System Board

Fan Controller

Tester Board

1. Products - 5) SMT & Assembly

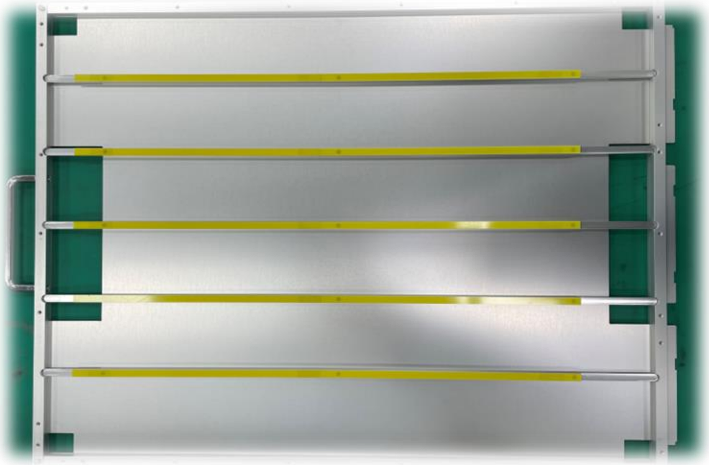


Probe Card

1. Products – 6) Fixture & Jig

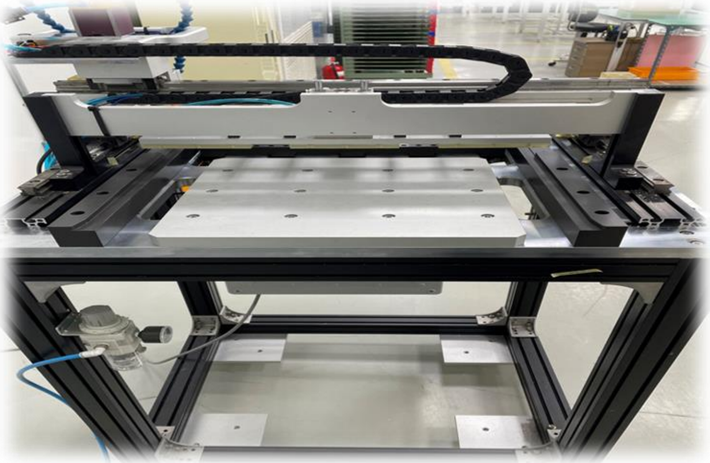
Ass'y Jig

Test Jig



Test Board Frame

Test Board Frame



Cutting Jig

Rack Case

2. Equipment

Maker	FANUC' Robodrill Series (α-D21MiB5)
Dimension (**X** x **Y** x **Z**)	500 x 400 x 330 (mm)
RPM	10,000 ~ 24,000 (r/min)
Material	Torlon, Peek, Ceramic Peek, Ultem
Application	Precision Machining Hole
Q'ty	16
Product	Test Socket, Module Socket, RF Socket

3. Production Line

FANUC’s Robodrill

3. Production Line

SMT Line

Rework Station

Retouch Line

Cleaning Room

TEST Line

3. Production Line

Wave Solder

Bonding Line

Selective Solder

Insert Line

Application Line

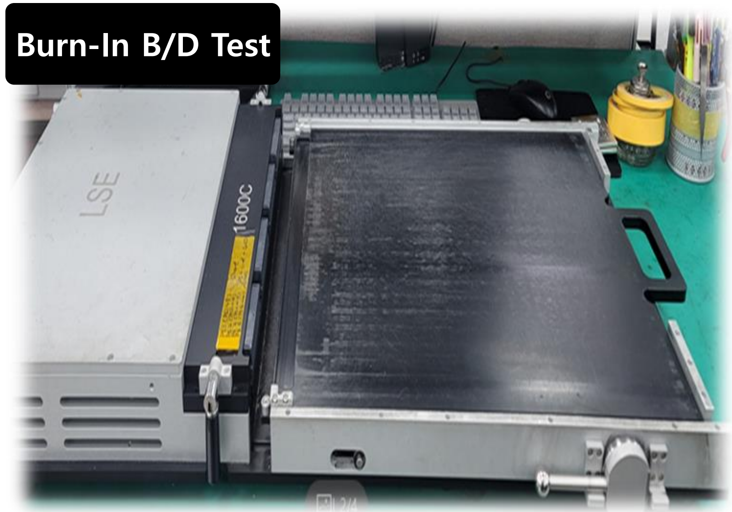
Assembly

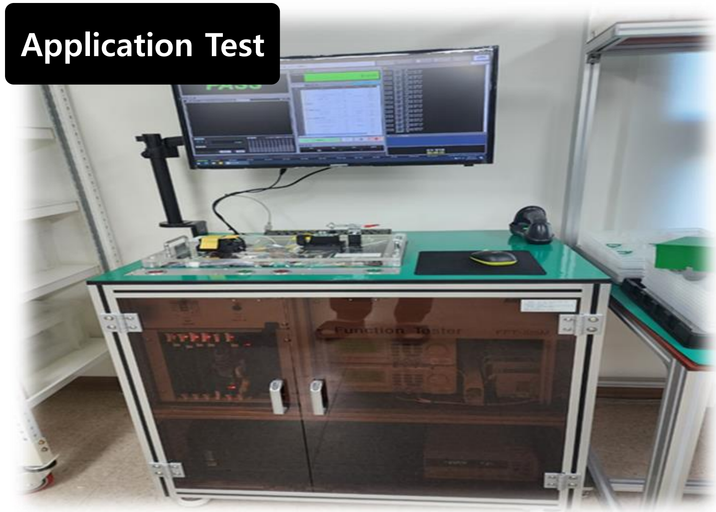
4. Inspection Line

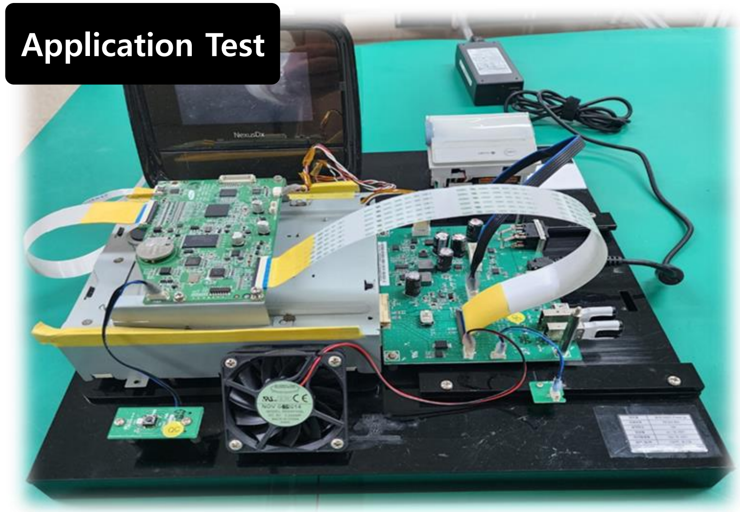

X-Ray Inspector


Vision Inspection


Auto BBT Test


Burn-In B/D Test


Application Test


Application Test

4. Inspection Line

Visual Inspection Room

Vision Inspection

Automated Visual Inspection

Global 2D Inspection

Zeiss 2D Inspection

Microscope