



Korea Circuit

Interflex

Signetics

Terranix

YP Electronics

Young Poong

A Proud Korean Electronic circuits & packaging companies, a global leader.

“It’s Young Poong”

Introduction of Young poong and Affiliates



5 Affiliates Sales : 2.2 Trillion, Worldwide PCB Sales : 12th

Korea Circuit 



MLB, HDI, PKG

Interflex 



Flexible PCB

Signetics 



Chip Packaging

Terranix 



Metal, MLB

YP Electronics 



Flexible PCB

Rigid-Flex PCB

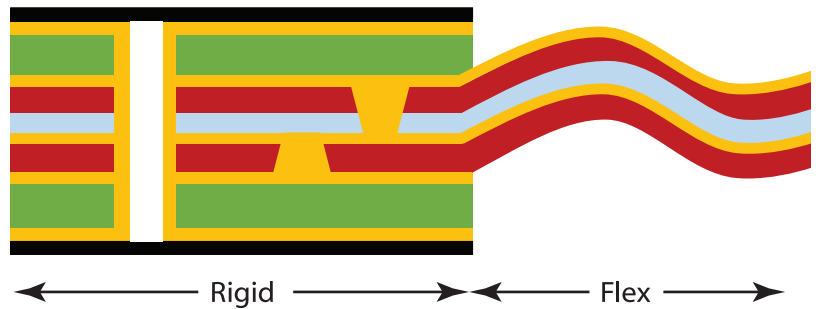
► **Core Competency**

- Design for Manufacture Rigid Flex PCB
- Minimizing Circuit Transmission Loss
- Saving Space and Optimizing Design

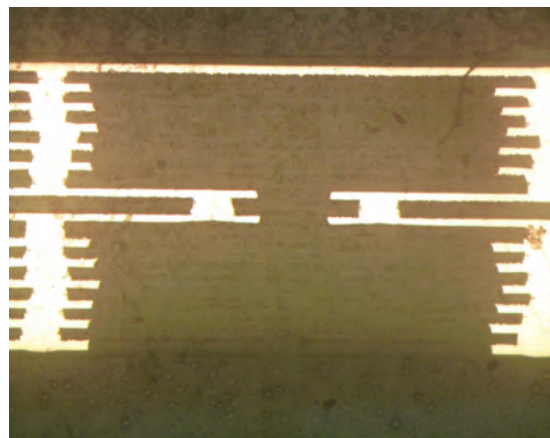
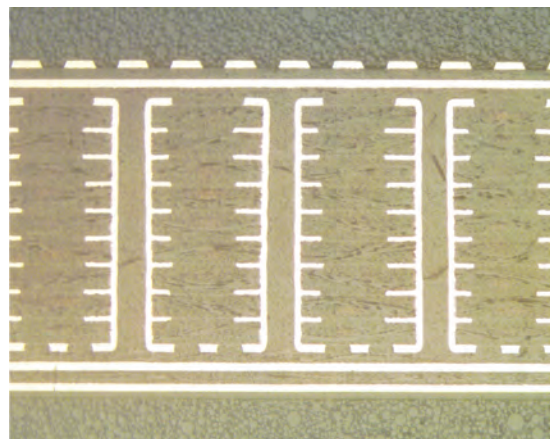
► **Applications**

- Smart Phone
- Laptop, Tablet
- Wearable Devices
- Automotive
- Healthcare, Medical

► **Stack-up**



Cu
 Bonding
 Polyimide
 Prepreg



Flexible PCB

► **Core Competency**

- High Flexibility and Reliability on Bending
- Good Advantage for Thin, Light Applications
- Saving Space and Optimizing Design

► **Applications**

- 5G High Frequency FPCB

► **Stack-up**

Double Side FPCB



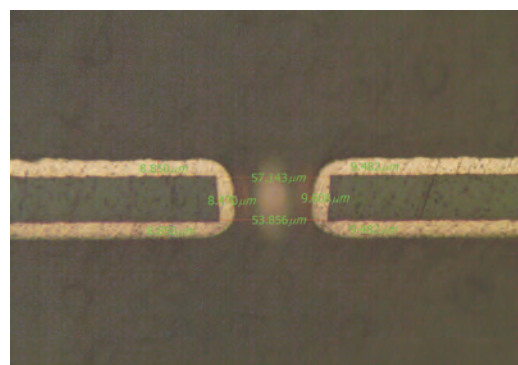
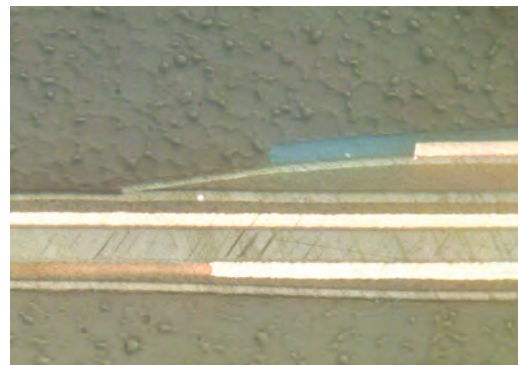
- Thin, Bendable FPCB

Multi FPCB



-  Cu
-  Polyimide
-  Bonding
-  CVL

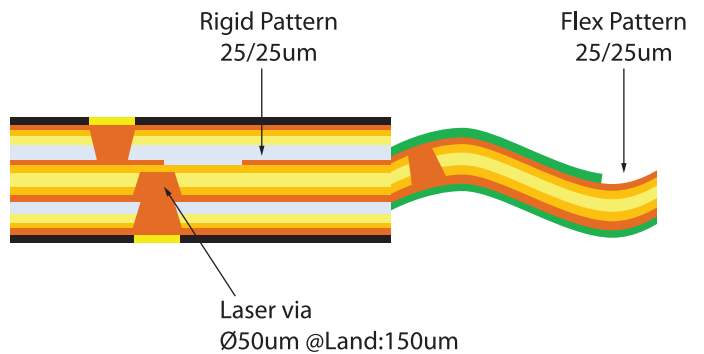
- High Flexibility on Bending Area



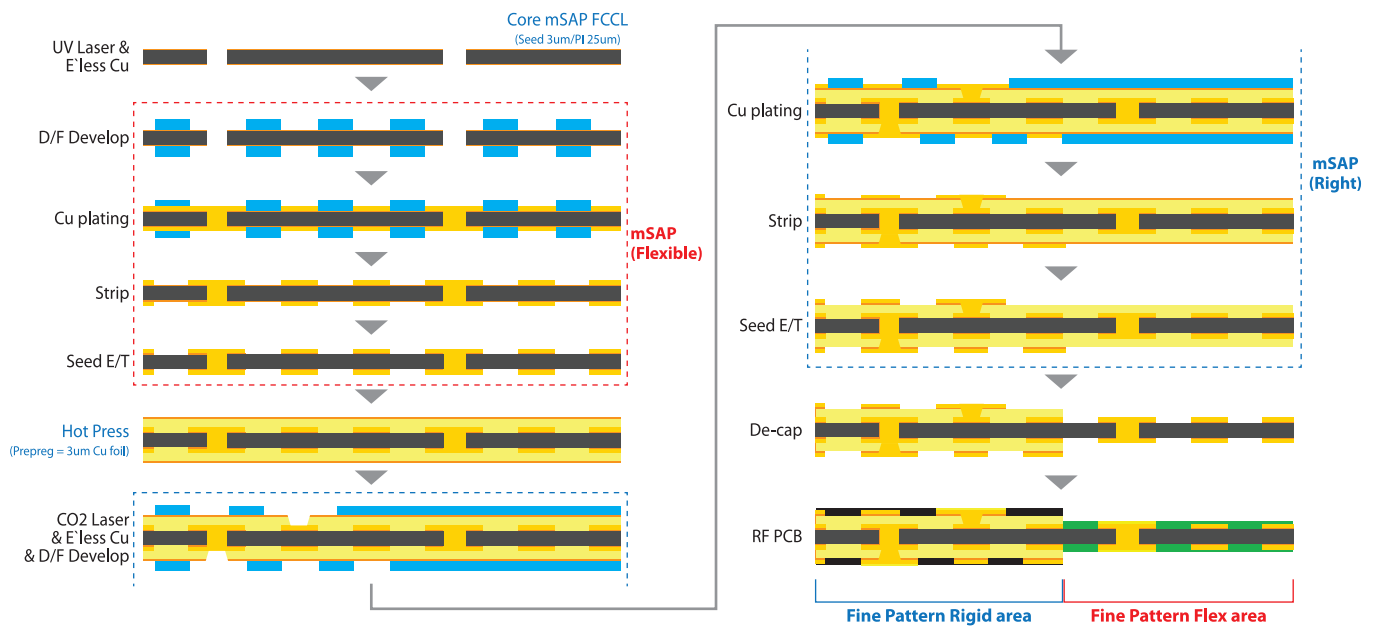
Fine pattern Rigid-flex PCB

► Features

- Ultra Fine Pattern in Flex ACF area
- Small and Accurate Laser Via
- Good Pattern shape, Etching Factor



► Process flow



► Fine Pattern Image

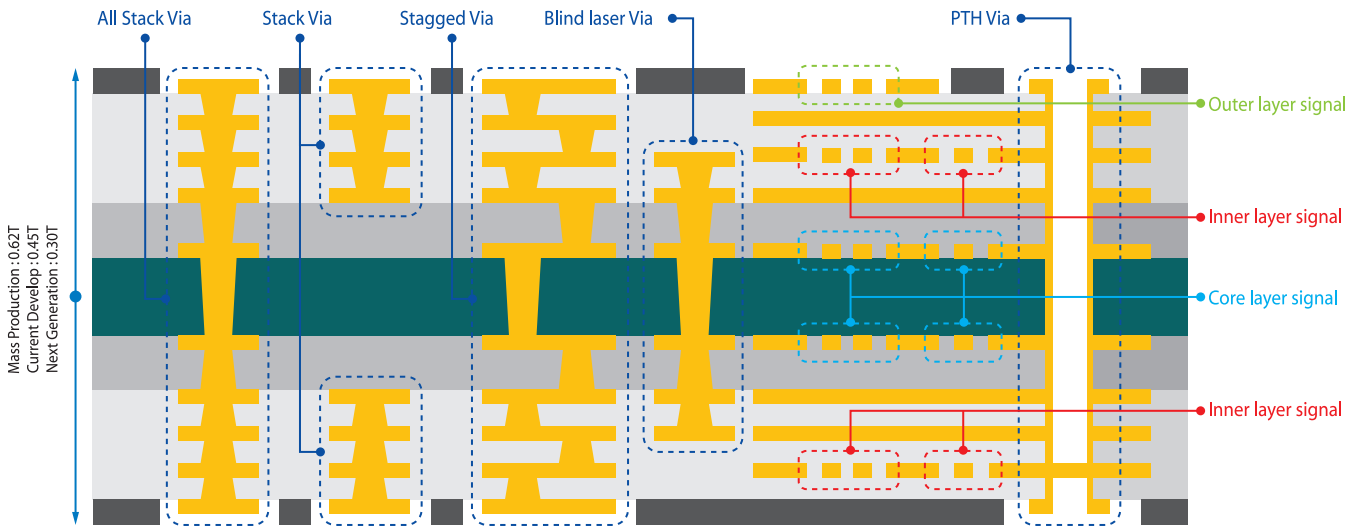
Line/Space	20/20	25/25	30/30
Optical Image			
Optical Image			

Ultra Thin, Low Dk Rigid PCB

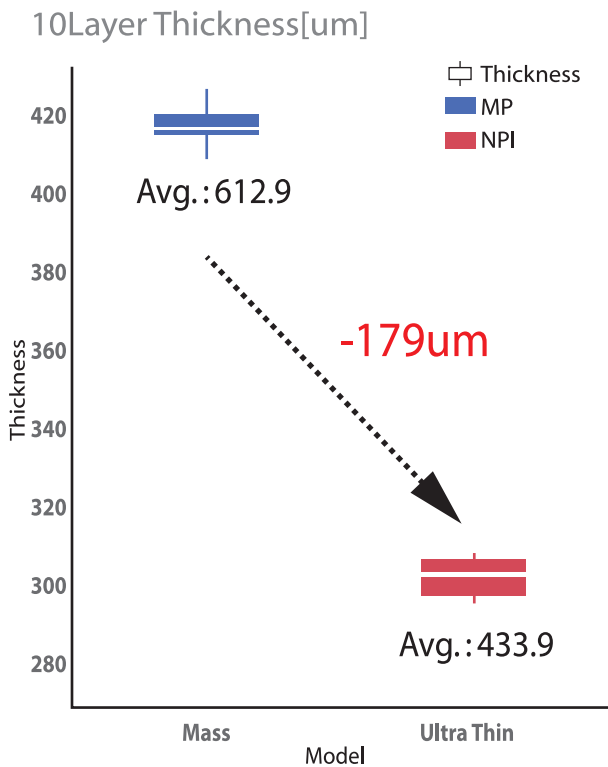
► Features

- Ultra Thin, 350um under with 10 Layer
- Easy to Design Impedance with Ultra Low Dk material(@3.1)
- High heat and Insulation resistance performance

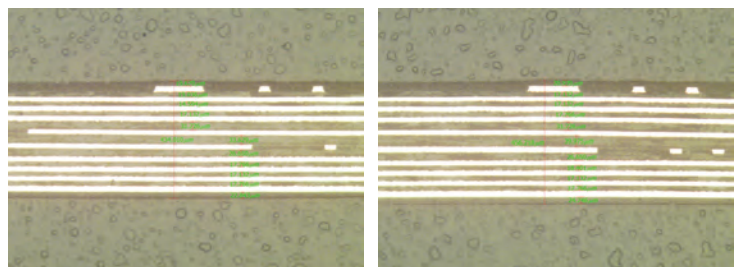
► Stack-up



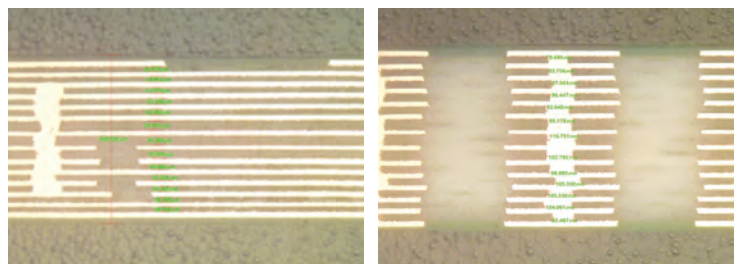
► Thickness Reduction & Reliability



<10L THIN PCB_0.45T>



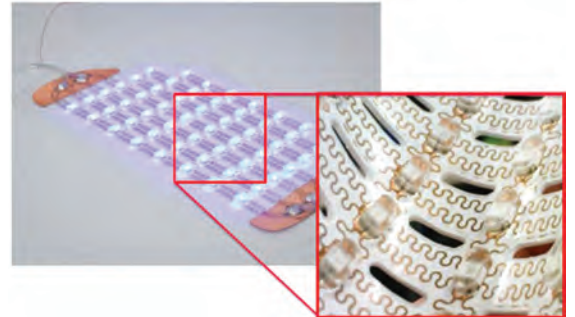
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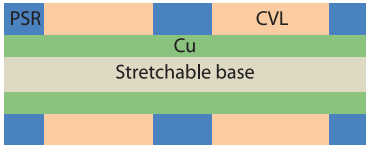
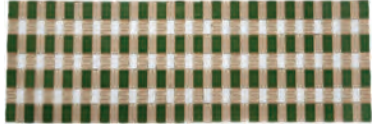
High Flexibility, Elongation FPCB

► Features

- Remarkably Stretchable Property
- Strong Durability Under Repeated Stress
- Good for Wearable, Healthcare Device Applicable

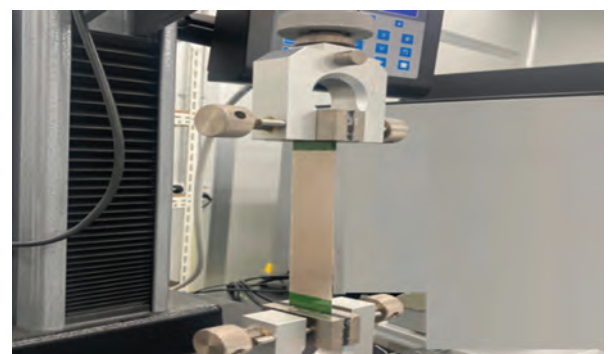
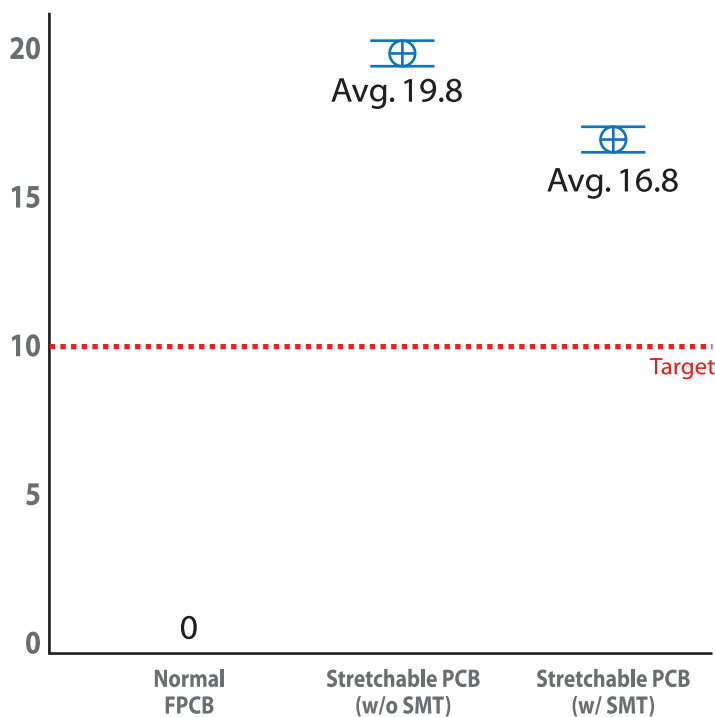


► Materials & Sample structure

Items		Unit	Raw Material	Coupon Structure
Structure		-	<div style="background-color: red; color: white; padding: 2px;">Cu Foil Layer</div> <div style="background-color: yellow; color: black; padding: 2px;">Stretchable Film</div> <div style="background-color: red; color: white; padding: 2px;">Cu Foil Layer</div>	
Thick.	Core	um	50	<div style="background-color: #d9e1f2; padding: 5px; text-align: center;">Test sample</div> 
	Cu		18	
Peel Strength		Kgf/cm	1.134	
Thermal resistance		°C	230	

► Elongation performance

Elongation[%]



Test Condition

- Model : UTM
- Stress : 0.5N, speed : 10mm/min
- Sample size : 10Pcs

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