

World of PCB

kubatronik
leiterplatten GmbH

Engineering

Quickturn

Prototyping

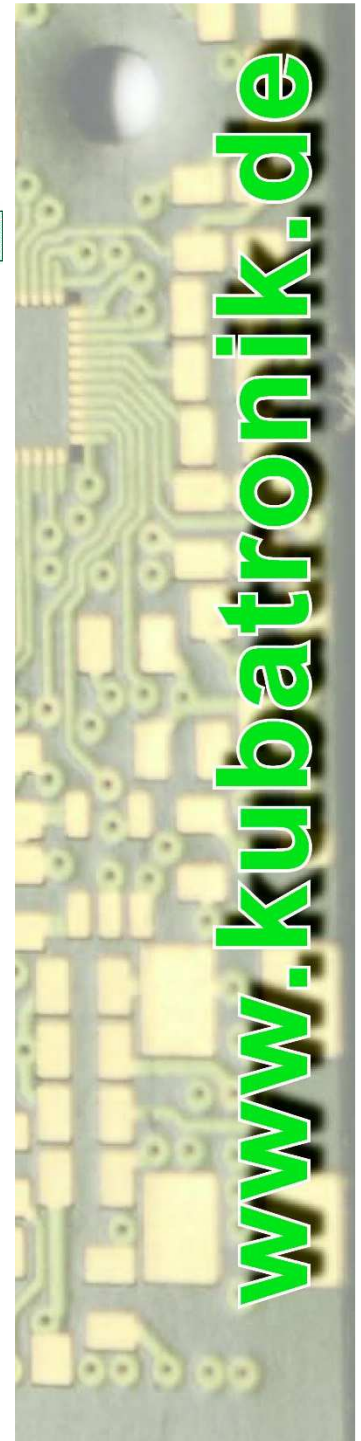
Components

Mass-Production



Assembly (PCBA)

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Made in Germany

kubatronik
leiterplatten GmbH



Established in 1980



Production in Geislingen / Steige (Germany)



42 Employees



Focus on High-Technology Rigidflex, Flex and HDI with High-Mix and Low-Volume



Quickturn and Express Production



Full Service and Complete Solutions (Components / PCBA)



Qualified and certified longtime Business-Partners for Mass Production and Assembly

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News

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- ✔ Installation of completely new Direct Imaging System „Direct Imager 2050L Class MIVA 2050L DI“ in May, 2019 for Inner- / Outerlayer and Soldermask.



- ✔ Installation of completely new IT Infrastructure, Operating System (Hardware and Software) and Phone System (IP based) in May-June, 2019.



- ✔ Installation of completely new Spray Coating System „Pluritec – Ecospray“ and „Pluritec EcoDryer“ in October, 2019.



- ✔ DIN EN ISO 9001:2015 (latest review)
- ✔ AS 9100 (Aerospace and Defence)

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Provide Solutions

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leiterplatten GmbH



Engineering-Team with more than 50 years experience in PCB



500 new Layouts in 2018



Test projects and test productions



Producing 75% from the production turnover in special and complex technologies (Flex, Rigidflex and HDI)

We enable your Vision



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Capabilities

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-  HDI - Blind / Buried / Stacked / Staggered Vias
-  Sequential BuildUp and Mixture BuildUp
-  Layer counts 30 plus
-  Max. thickness 4,8mm - special 5,6mm
-  Minimum line / space 75 μm (3 mil)
-  Via in Pad Plugging (Epoxy / Copper)
-  Micro Via Plugging (Epoxy / Copper)
-  Impedance controlled (including measuring protocol)
-  Laser cutting and drilling

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Capabilities

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Surface Finishes:

HASL (lead / leadfree)

Immersion Ni/Au

Immersion Silver

Immersion Tin

Soft Electrolytic Gold

Galvanic HardGold

ENTEK 106

OSP

ISIG

EPIG

ENEPIG



Materials:

FR4:

-Isola

-Ventec

-Iteq

-Panasonic

High Frequency / High Speed:

-Rogers

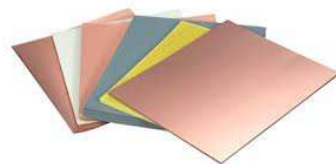
-Arlon

-Nelco

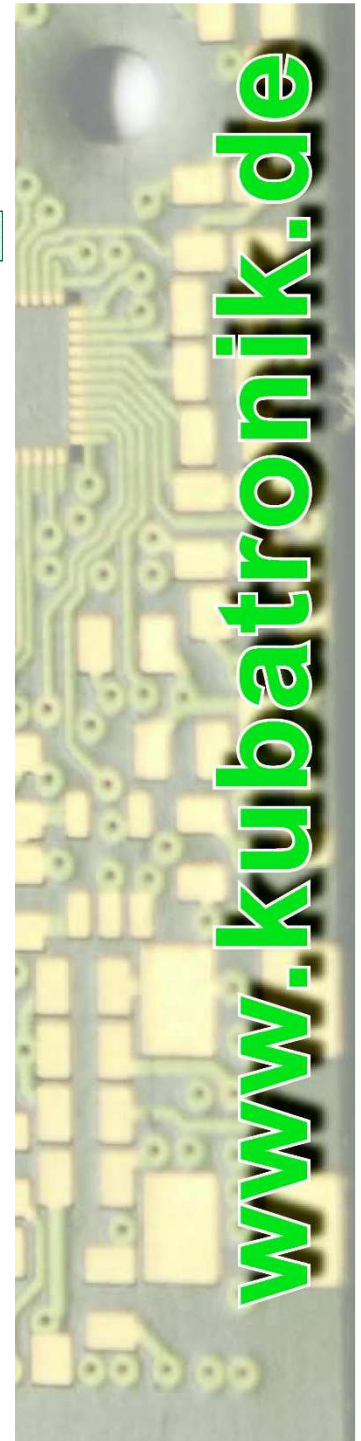
Polyimid Glas

Polyimide

Other Special Materials on request



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Backplane 26+ Layer

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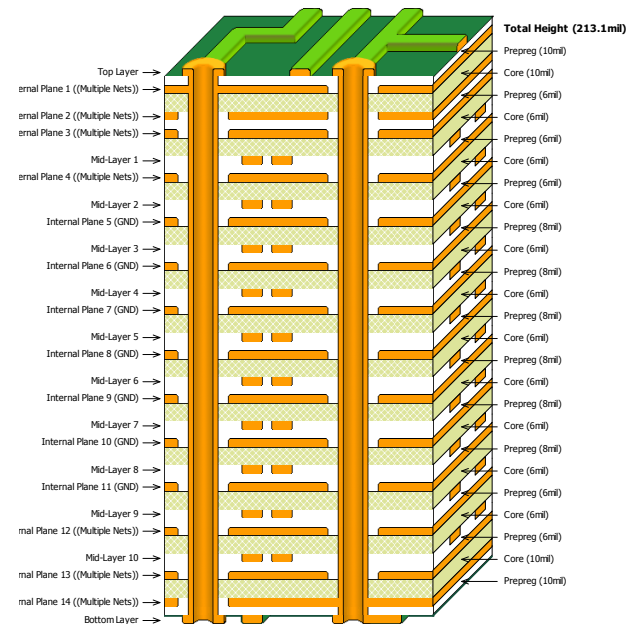
26-layer Backplane

Thickness 5,4mm

8 level backdrilling each site

Impedance controlled

Board size 512 x 427mm

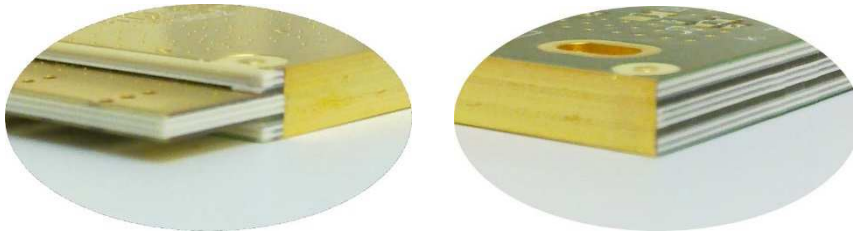


Also as RigidFlex Option with 6 flexible copper layer
(3 x 125µm Polyimide Cores)!

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HighSpeed + HighFrequency

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20 layer Rogers / FR4 mix buildup

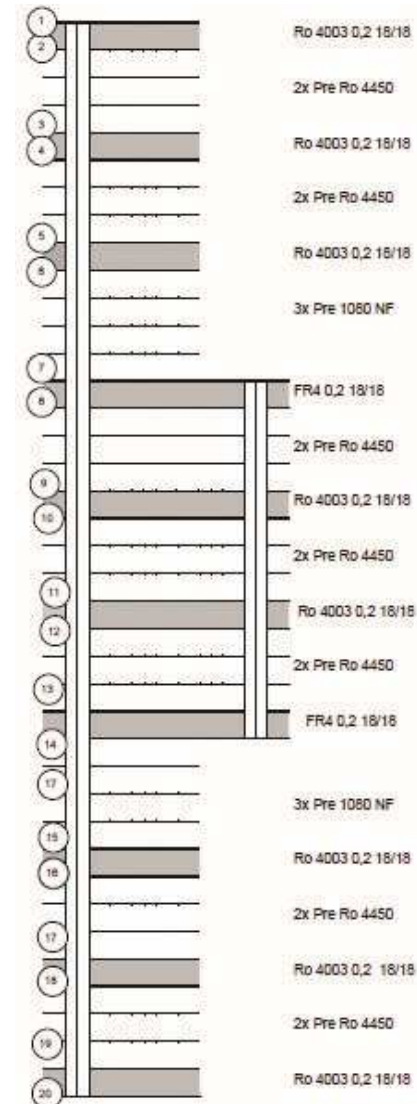
Thickness 4,5mm with aspect ratio 1:11

Edge Plating and plated slot holes

Line / Space 100µm

Impedance controlled

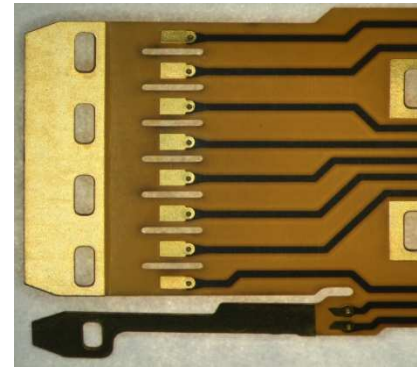
Sequential BuildUp (SBU) with buried vias and galvanic Ni/Au (hardgold) in innerlayer connector area



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Exact + precise structures

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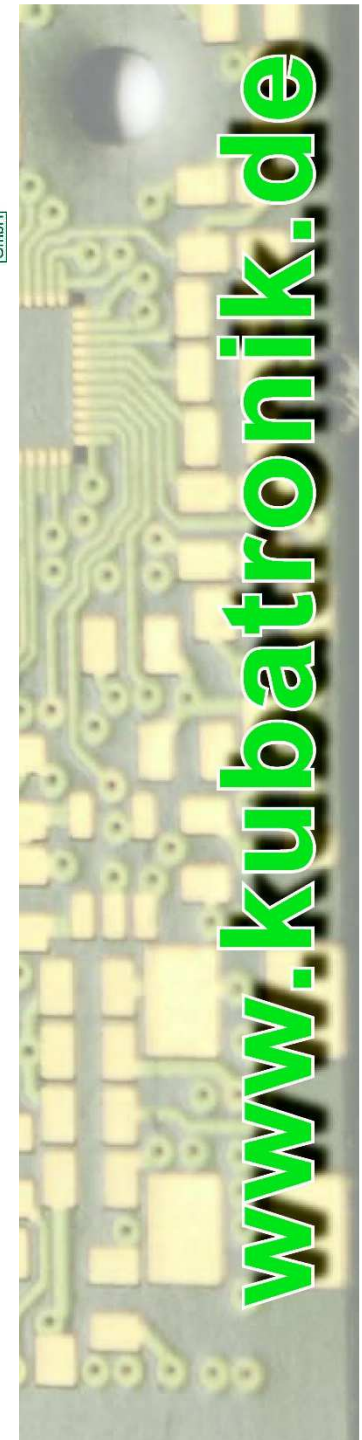
Lasered contour slot 0,25 mm

Lasered slot 0,1 mm

Base material AP8515 (25 μ m polyimid)

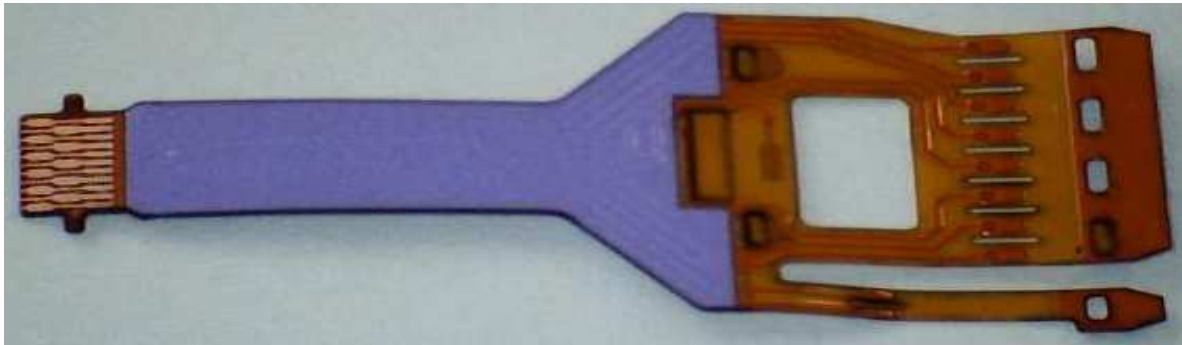
Over coverlayer rising contact pads with button technology

Connector area with stiffener and finishing galv. Ni/Au (hardgold)



Silver shielding

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2-layer FPC with finishing ENEPIG

Silverfoil electrical connected as ground layer / shielding

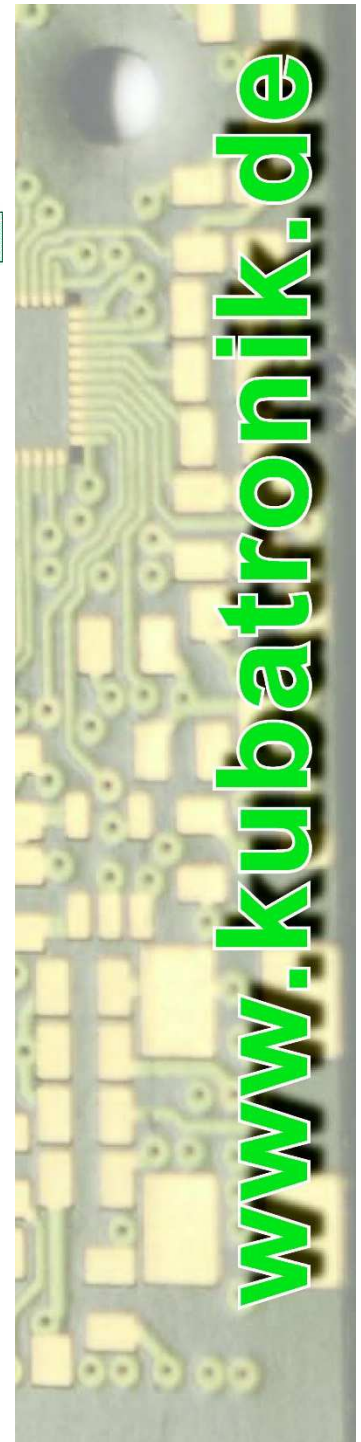
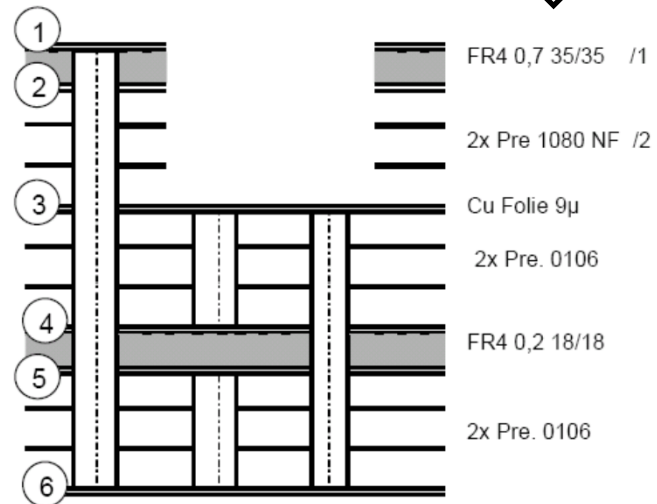
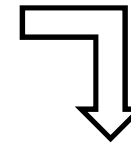
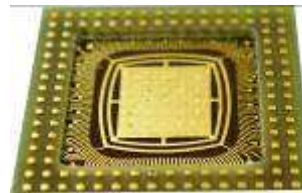
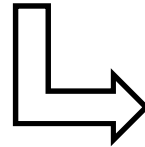
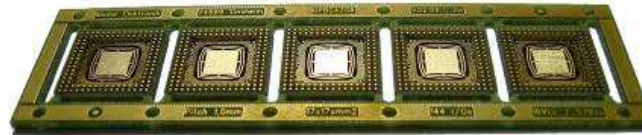
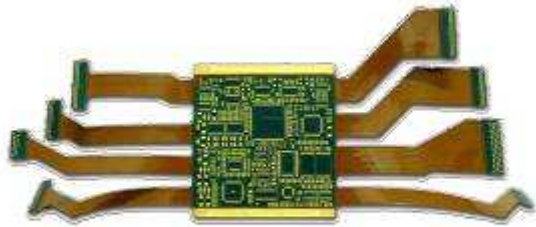
Base material AP8515 (25 µm polyimid)

Lasered contour

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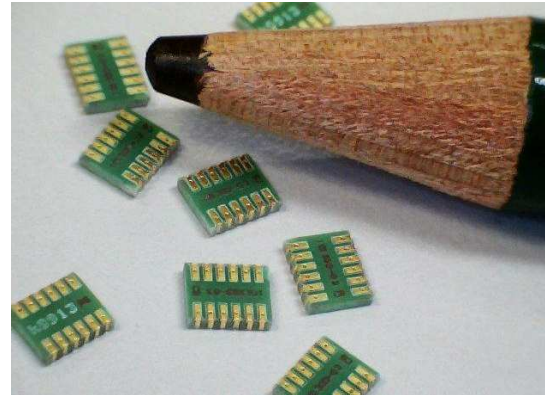
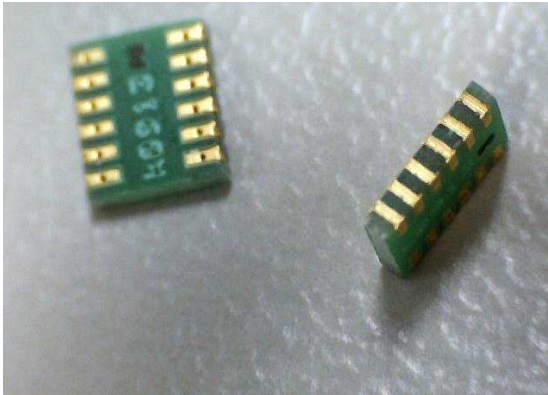
Technologies

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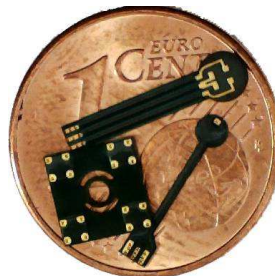


How small it may be?

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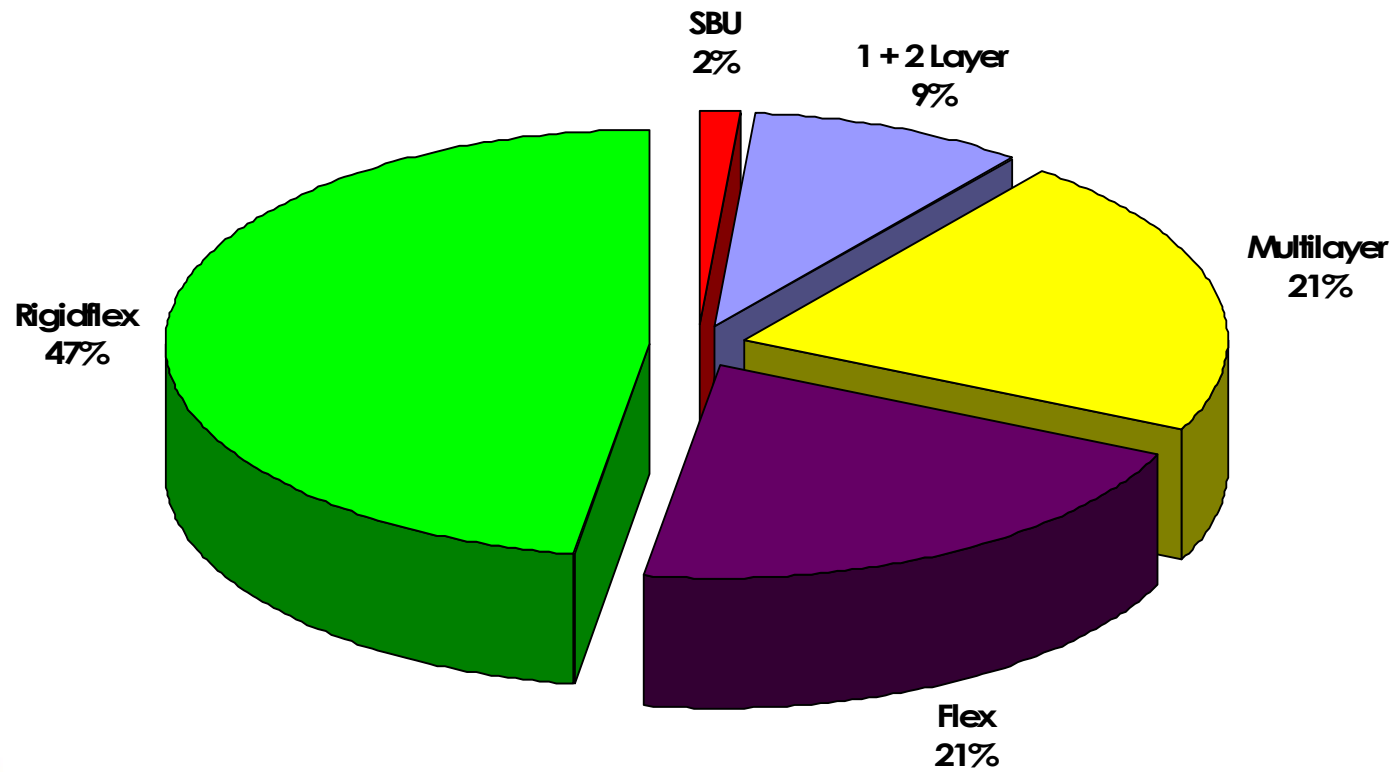
Whether rigid or flexible circuit boards, with or without edge metallization, we produce according to your requirements and laser the contour if necessary.



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Product Mix

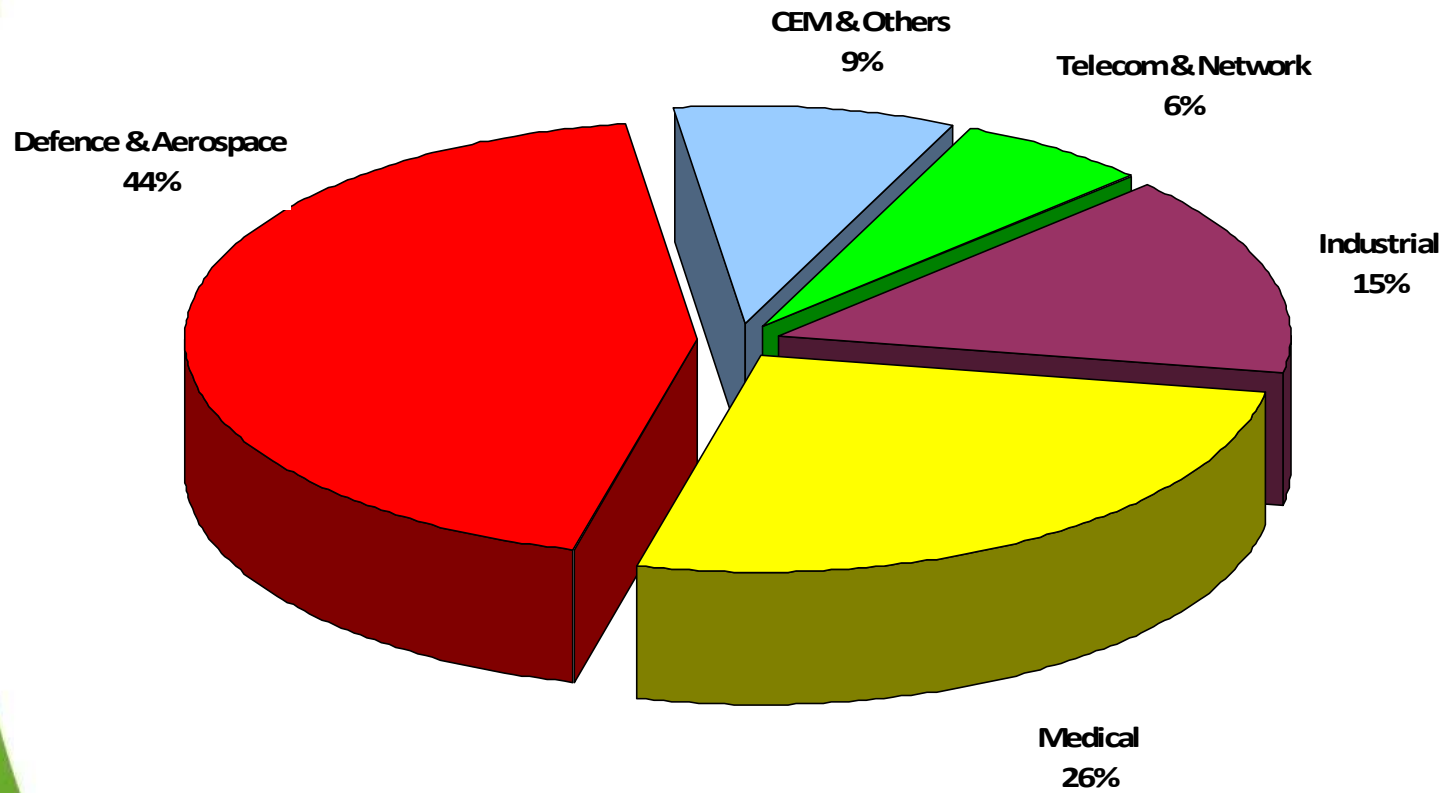
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Markets

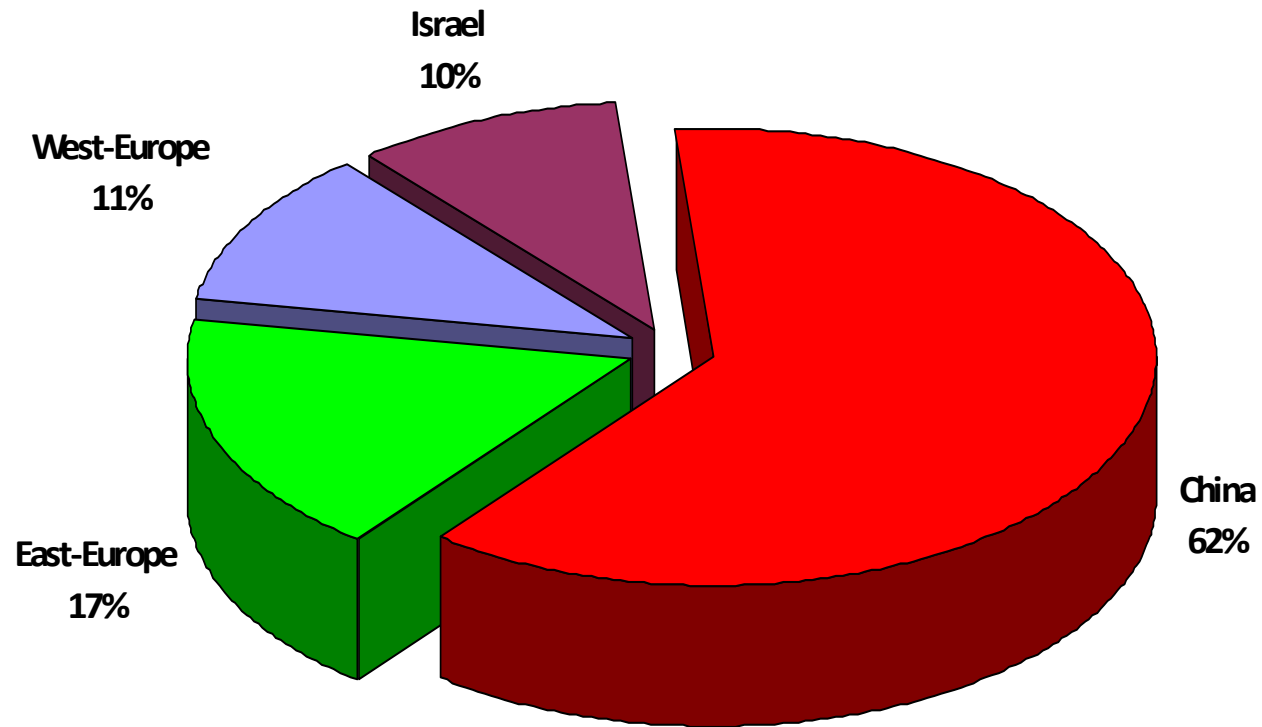
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Origin of trading PCBs

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Qualifications / Certifications

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UL-94V0 for Multilayer, Flex and RigidFlex



DIN EN ISO 9001:2015



AS 9100 (Aerospace and Defence)



All relevant IPC Standards



ROHS compliance



Member of EIPC and ZVEI

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References

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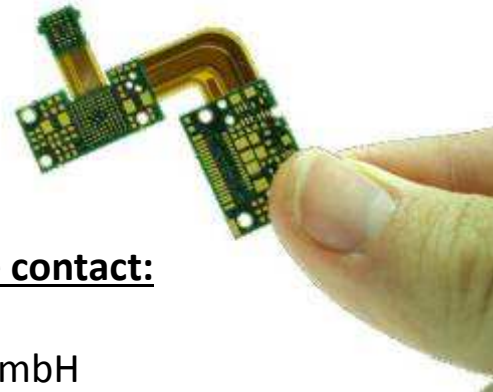
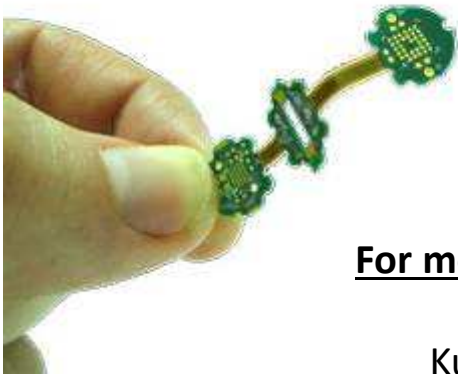


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Together for your success

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Thank You!



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