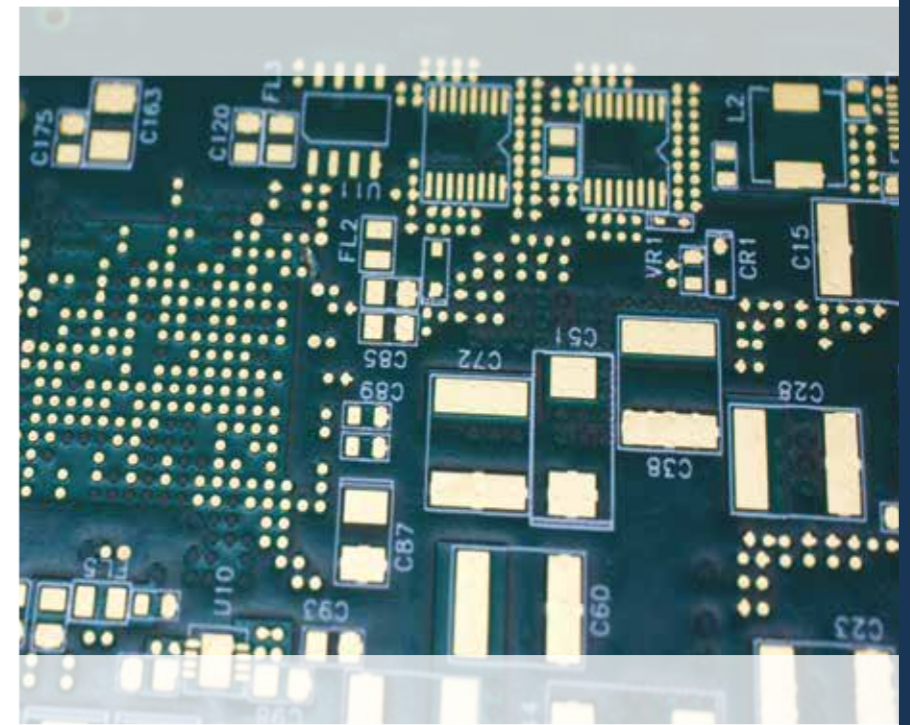
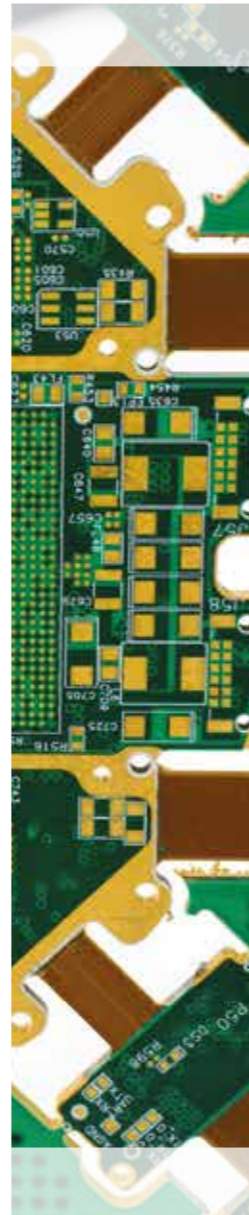
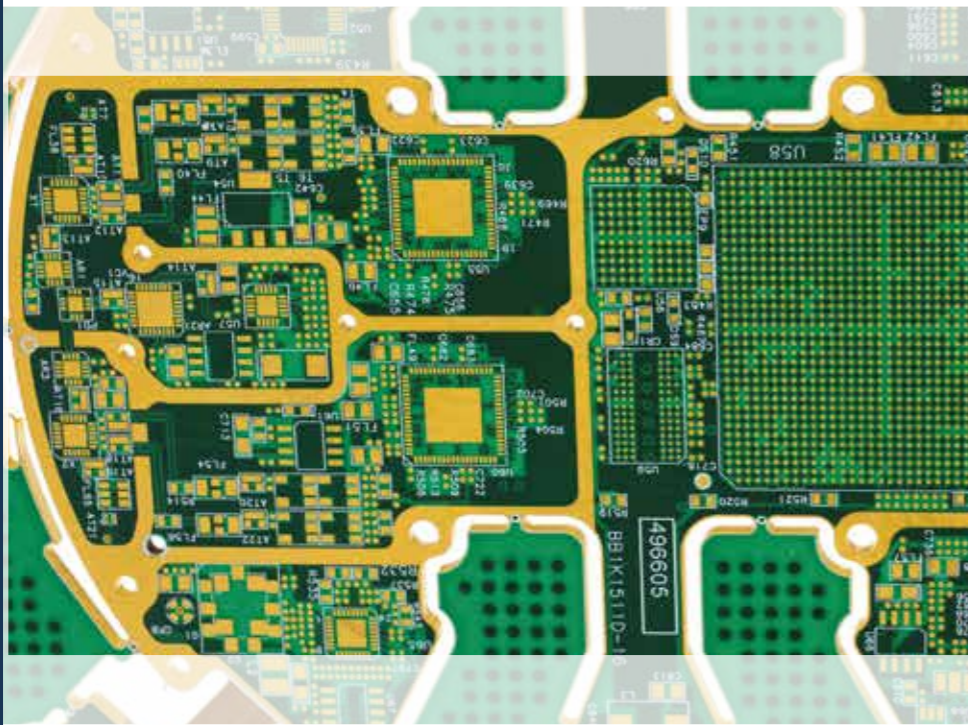


your **Dream**
is our **Challenge**





We are your Solution

Eltek, (NASDAQ: ELTK) a Nistec company, established in 1970 is a leading global provider of complex Rigid and Flex-Rigid Printed Circuit Boards (PCBs). With over 300 employees, strong engineering support, Eltek is recognized as a reliable PCB global leader.

Our Vision

Eltek is committed to continuous improvement to become a world-class manufacturer of complex PCBs by using the “State of the Art” technologies with the highest quality and cost-effective solutions.

Our Market

Eltek supplies high-end PCB to Space, Defense, Aerospace, Healthcare, High Speed Communication (HSN) , RF and Microwave market



Strategy

Initiating engineering support in the customer’s design stage. Providing innovative, cost-effective, and reliable solutions.

The Eltek Way to Success

Provide value added engineering support.
 Providing customer access to advanced raw materials.
 Continuously invest and implement in “State of the Art” equipment and Manufacturing techniques to meet market trends and needs.
 Become the preferred PCB supplier.

Certifications & Qualifications

Eltek is comply with ITAR & EAR and adheres to all relevant IPC standards

- Nadcap (Electronics)
- AS9100D
- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018
- ISO 50001:2018
- UL 94V-0
- MIL-PRF-31032 (In Progress)



Manufacturing Capabilities

Main Product Types

Flex Rigid, Rigid, Multiflex and Flex

Panel Sizes

12x18, 18x24, Backplane Panel (Max Board Size – 19" x 26")

Max Layers

38 layers, max thickness 0.252" (6.4mm)

Copper Weights

Base copper foils down to 5 microns
Max Copper Thickness: 4 oz.

HDI

Stacked / Staggered Microvias
Sequential Build up to: 5+N+5
Via Filling: Via In Pad, Microvia Fill, Copper Fill

Laser Direct Imaging

Film free factory; all products are direct imaged

Special Capabilities

- Fusion Bonding of pure Teflon (PTFE)
- Flexible Silver Shielding
- H₂ Plasma

Exact drilling capabilities

- High accuracy micro drilling
- X-Ray assisted registration & drilling for complex PCBs.

AOI

All inner layers and outer layers 100% AOI Inspected

Soldermask Photo Imageable Solder Mask

Green, Blue, White, Red, Black & yellow, Flex

Surface Finishes:

HASL, ENIG, Immersion Ag, Electrolytic Gold (Soft and Hard), ENEPIG

Materials

DuPont, Rogers, Iteq, Ventec, Panasonic, Arlon, Isola and others

Electrical Testing:

- 100% by flying probe
- 16 Test Heads "ATG A7-16 XW Flying Probe Test System"
- Fast 300 mA Kelvin Testing
- Test Voltage 100mV to 1000V

Heatsinks & CTE Solutions

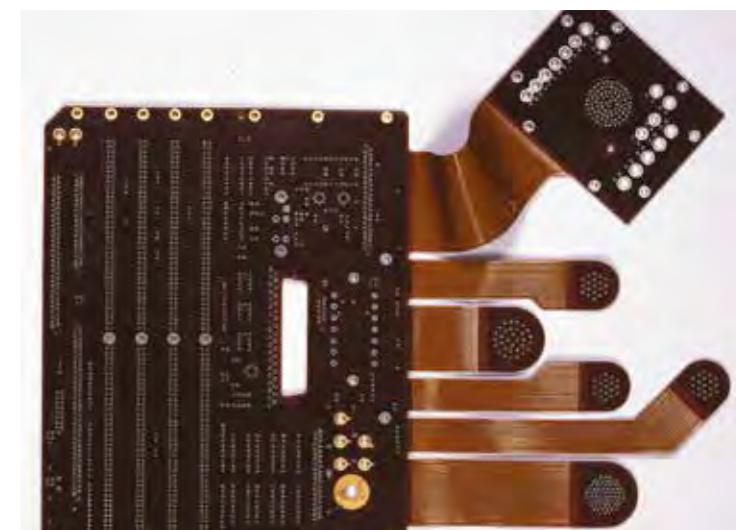
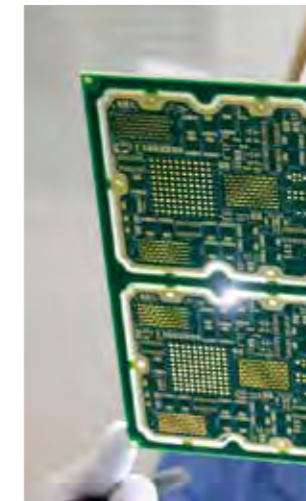
- 3D wrap around, Internal, External
- Built-in Ceramic Substrate

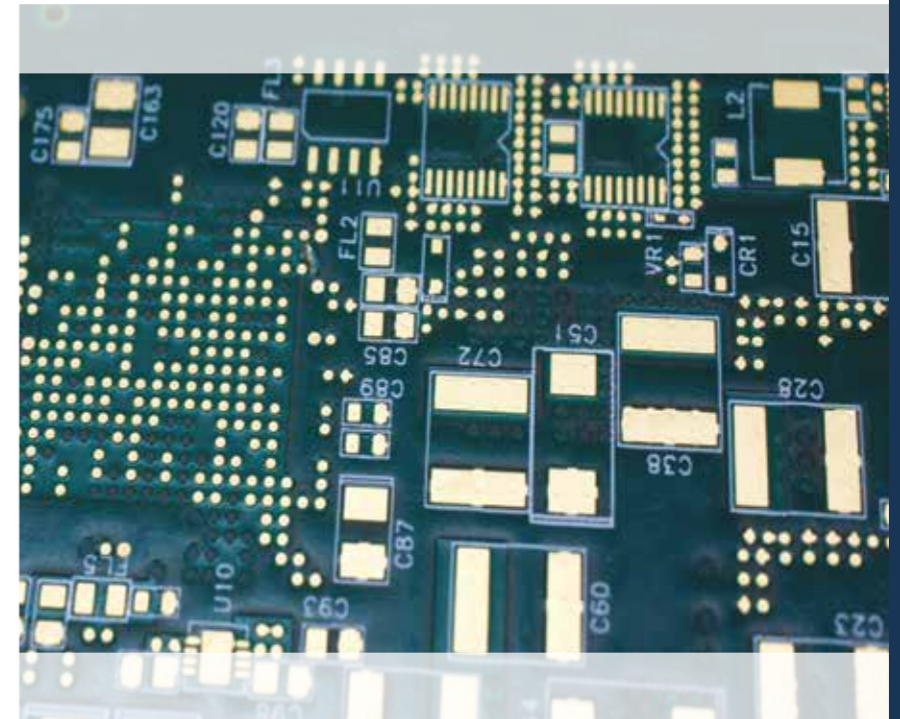
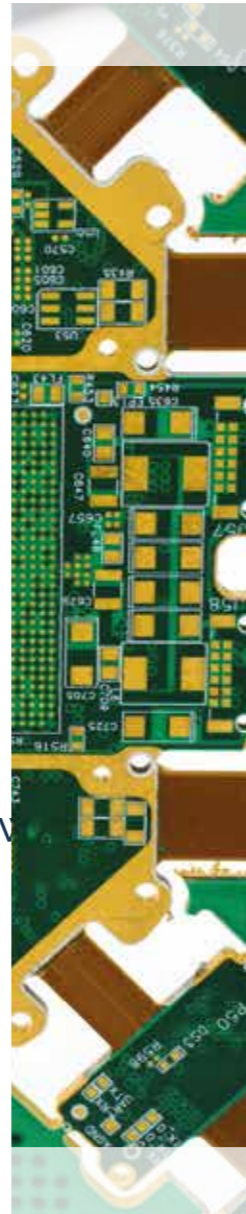
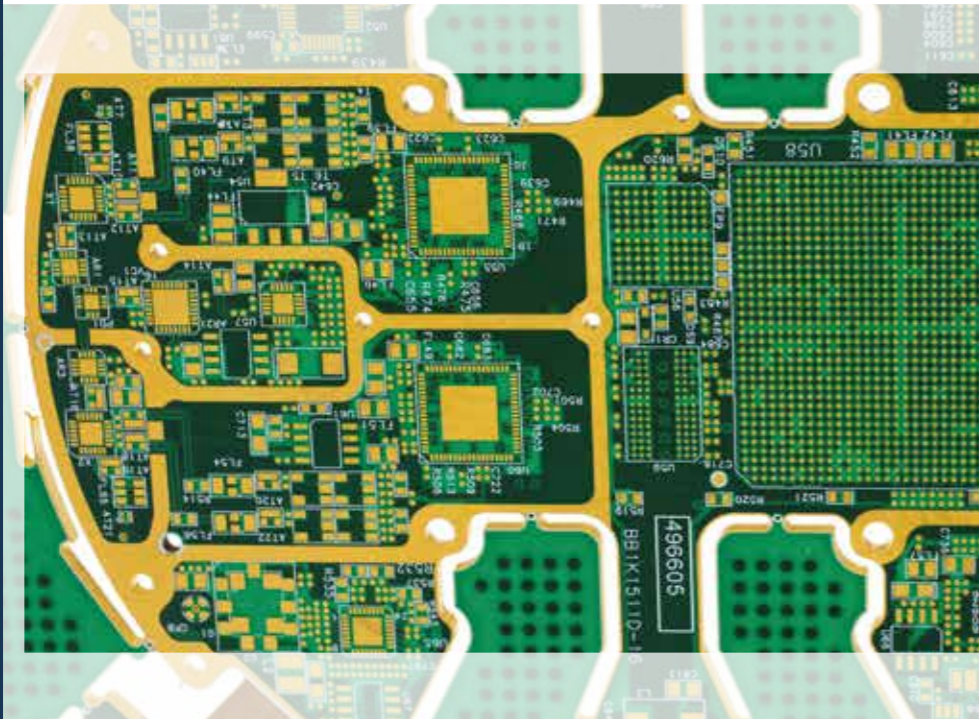
Rigid Capabilities

Product Feature	Standard	SOA
Inner Layer Line/space	2.5/2.5 mil	2/2
Outer Layer Line/space	3/3 mil	2/2
Layer Count	40	40
Min. Drilled Via-Mechanical	6 mil	6 mil
Min.Diameter Laser Drilled Microvia	3 mil	3 mil
Aspect Ratio Thru Hole	01:12	01:14
Aspect Ratio Blind Microvia	1:0.8	1:1
Min. Dielectric	0.002"	0.002"
Thickness Core		
Min. Via Hole Pad	0.016"	0.014"
Min. Microvia / Capture	0.010"	0.008"
Target Land Size		
Solder Clearance Mask	0.0015"	0.001"
Surface Finishes	ENIG NEPIG immAg ImmSn HASL Pbfree ImmersionTin Immersion Silver	
Buried Passives	Yes	Yes
Impedance Tolerance	±5%	±5%
Via in Pad Technology Fill + Plate	Yes	Yes
Microvia / Blind Via Fill	Yes	Yes
Electrical Test up to 1K Volt	Yes	Yes

Flex Rigid Capabilities


Product Feature	Standard	SOA
Inner Flex Layer line/space	2.5/2.5 mil	2/2
Rigid Inner Layer line/space	2.5/2.5 mil	2/2
Rigid Outer Layer line/space	3/3 mil	2.5/2.5
Min. Dielectric Thickness of Flex Layer	0.001"	0.5 mil
Min.Base Copper Thickness Flex Layer	9 μ	5 μ
Layer Count Multiflex	10	12
Layer Count Flex-Rigid	28	32
Min. Via Hole Size Mechanical Drilled	0.006"	0.006"
Min. Microvia Laser Drilled Flex Layer	0.003"	0.003"
Coverlay + Adhesive	1 mil	1 mil
Coverlay Photoimageable	No	No
Silver Shielding	Yes	Yes
Electrical Test up to 1K Volt	Yes	Yes







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