



AMITRON

CORPORATE

PRESENTATION

MILITARY GRADE | WORLD-CLASS | EXPERT EXECUTION |
KNOWLEDGEABLE | SOLUTIONS-ORIENTED | ENGINEERING
MINDSET | PROBLEM-SOLVING | TIME SENSITIVE | GLOBAL |
AGILE | THE BIG PICTURE | SYSTEMATIC | METHODICAL | SEES
STRUCTURE WHERE THERE'S NOTHING APPARENT | READY TO
MAKE IT HAPPEN!

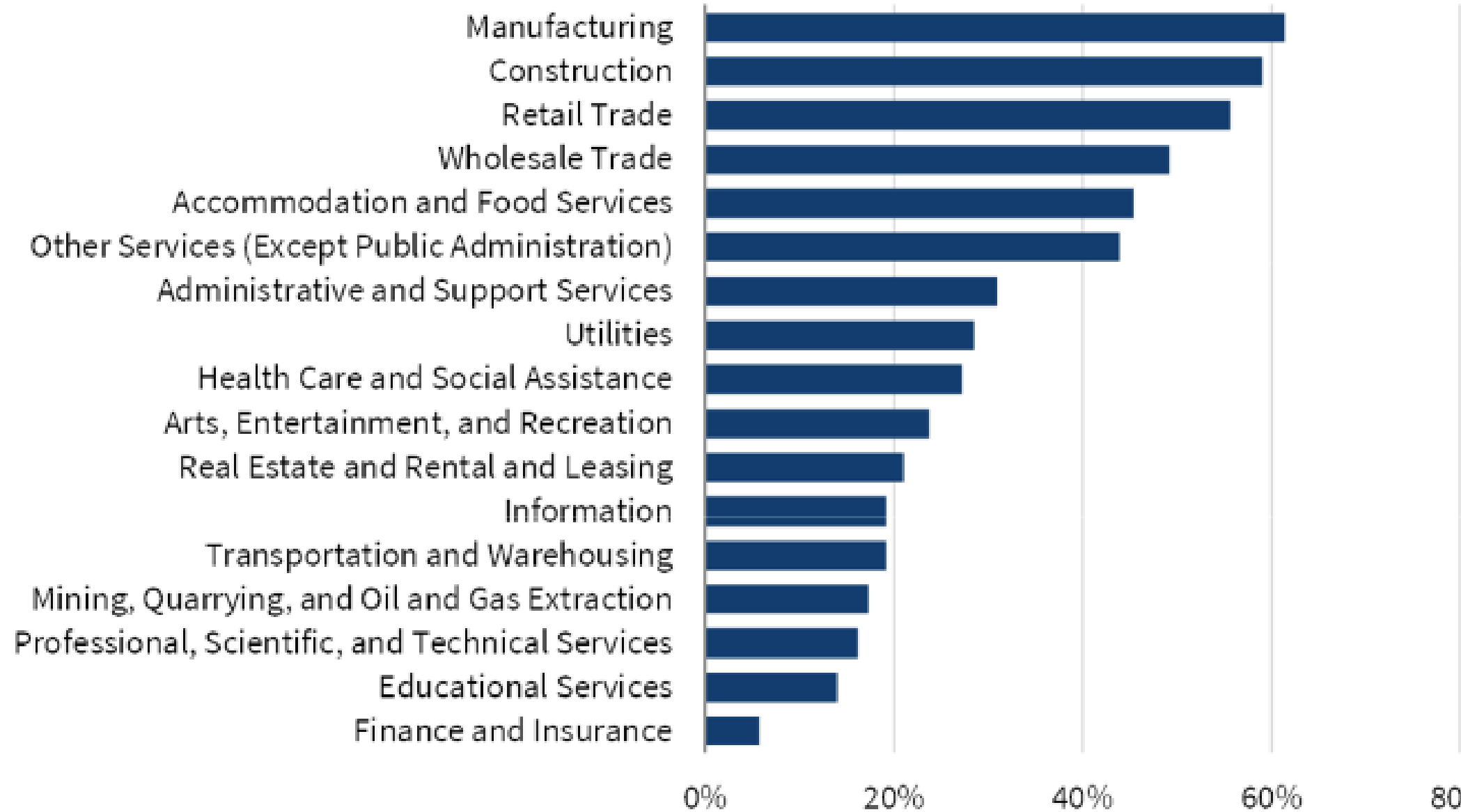
www.amitron.com

TRUTHS

Not every PCB manufacturer is built the same.

- ✓ Amitron recognizes technology as a core component of our DNA and it meets customers supply chain needs by leading in the early stages of strategic pricing and product development for mixed hybrid, low volume, and high-tech circuit boards
- ✓ Amitron recognizes that supporting the Global Supply Chain with continuous improving responsiveness, quick turn prototyping, and high-volume production is imperative to Customer Success.
- ✓ As a recognized leader in global PCB solutions, Amitron continually finds ways to reduce product cycle time through automation and investment in state-of-the-art equipment

Top Supply Chain Disruptors



Sources: U.S. Census Bureau; CEA Calculations.

Manufacturing industry is the leading disruptor of the supply chain since the pandemic.

Although manufacturing as a whole has taken a hit due to the supply chain disruptions, the PCB industry continues to grow.

Going forward, the companies that take action quickly and remain flexible are the ones that will make an impact.

Vision And Mission

Vision

Collaborate with industry leaders to accelerate the world's transition into a connected and autonomous supply chain



collaboration

Mission

Amitron is committed to collaboration, growth, and global impact.
We provide valuable solutions to any of your global challenges

Continuous Improvement

CLEAR

Communication

Responsiveness is the most important foundational piece to growth.

Leadership

We lead by example and support our team with identifying strengths and developing multi-faceted individuals.

Equipping

We find breakdowns in our processes and develop solutions/tools that help our team streamline.

Attitude

A team with the right attitude is virtually unstoppable.

Relationship

We strive to build relationships with people both internally and externally.



Leadership Team



Johnny Gutierrez
Business Development



Aidan Salvi
Chief Transformation Officer

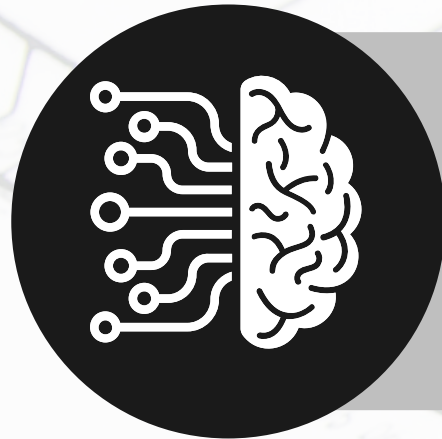


Randy Weinstein
Customer Experience



Our Solutions

At Amitron we always lead with an engineering mindset and focus on the overall need of our customers.



Applications Engineering

With an Engineering-First approach to solutions we ask the right questions surrounding the design and functionality of your product.



Strategic Sourcing

The Strategic solution contains several components that work together to provide a forecast projection over time.

***Amitron only works with select customers in establishing a strategic plan.**



Product Types

Rigid PCB technologies

Thermal management / LED PCBs

Hybrid Thermal Aluminum/FR4 combinations

Flexible Thermal Materials

High speed digital PCBs RF/microwave/mm-wave PCBs

Advanced

Yes

Yes

Yes

Yes

Standard

Standard

Technologies

Highest layer count

Maximum board thickness (in mils)

Minimum board thickness (2 layer) (in mils)

Thinnest core material (rigid) (in mils)

Thickest core material (in mils)

Largest panel size (in inches)

Bow and twist -% (balanced)

Minimum copper to edge clearance (in mils)

Layer to layer registration tolerance (in mils)

Number of sequential lamination cycles

Hole to copper (internal plane layers) (in mils)

Drilled hole to drilled hole distance (in mils)

Min. line and space.

Maximum aspect ratio-w/.010" drilled hole

Smallest drilled thru via 62 mil thick (in mils)

Smallest drilled thru via 93 mil thick (in mils)

Smallest drilled thru via 115 mil thick (in mils)

Pad size over via size -Class 2 (in mils)

Pad size over via size -Class 3 (in mils)

Antipad over drill size (in mils)

Press fit hole tolerance (in mils)

Standard

30

250

20

3

125

18 by 24

<0.75%

10

+/- 5

1

10

14

5

6:1

10

14

16

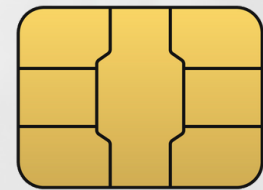
10

12

20

+/- 2

The logo for AMITRON features the word "AMITRON" in a bold, grey, sans-serif font. The letter "A" is stylized with a small orange triangle at its base. The letter "O" contains a small orange circle. The logo is set against a background of a green circuit board pattern with white traces and pads.



Soldermask

SMD soldermask web width (in mils)
SMD soldermask clearance over pad (in mils)
Soldermask registration tolerance (using LDI)

<i>Standard</i>	<i>Advanced</i>	<i>Leading Edge</i>	<i>Future</i>
4	3	2.5	2
3	2	1.5	1
2.5	2	1.5	1

Controlled Impedance

Impedance control-single ended +/- %
Impedance control-edge coupled diff. +/- %
Impedance control-broad side differential +/- %

<i>Standard</i>	<i>Advanced</i>	<i>Leading Edge</i>	<i>Future</i>
10%	10%	8%	5%
10%	10%	8%	5%
10%	10%	8%	5%

Laminate materials

Standard FR4
Lead-free compatible FR4
High speed digital materials
RF / microwave materials

<i>Standard</i>
Yes
Yes
Yes
Yes

Thermal management / LED board Standard

Aluminum backed materials	Yes
Thermal conductivity of 1.5 W/mK	Yes
Thermal conductivity of 2.2 W/mK	Yes
Thermal conductivity of 3.0 W/mK	Yes
Thermal conductivity of 4.0 W/mK	Yes
Thermal conductivity of 8.0 W/mK	Yes

Advanced technologies Standard

Via-in-pad	Yes
Copper plated shut micro vias	No
Single tier cavity design	No
Mixed dielectric designs	Yes
Edge plating / edge castellations	Yes
Wrap plating (blind vias / filled vias)	Yes
Laser defined soldermask printing	Yes
Jump scoring capabilities	Yes



Surface Finishes Standard

ENIG (electroless Ni-immersion gold)	Yes
Immersion Silver	Yes
Immersion Tin	Yes
OSP - lead free compatible	Yes
HASL (Tin/Lead) - vertical	Yes
HASL (lead-free) - vertical	Yes
Electrolytic hard gold	Yes

SIPAD

Solid Solder Deposit Process

SIPAD is a process to apply solder paste, reflow, flatten, and finish with an adhesive flux, so your prototype circuit board can be instantly hand assembled.

Standard

Yes

Advanced

Yes

Leading Edge

Yes



NEXT STEPS

Ask yourself;

How can Amitron help me today?

How can Amitron help me in the future?

How can we work together in finding solutions to all of our problems?

Contact Us

We want to collaborate with you!



(847) 553-4025



jgutierrez@amitron.com



www.amitron.com



2001 Landmeier Road Elk
Grove Village, IL 60007

AMITRON

AMITRON Thanks You

