AG DISPLAYS
Advanced LCD Solutions Specialist

CONTROLLER &
CABLING

MICRO-COAX
DISCRETE WIRE
FLAT FLEX CABLE
FLEXIBLE PRINTED CIRCUIT

ACDISPLAYS SERVICES

About Us

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For over a decade ACDisplays has been a leading provider of high quality LCD enhancement products and services for the industrial markets. We lead the way in offering an extensive range of custom panel solutions that improve standard display attributes while maximizing performance in any environment. The ACDisplays teams are experts in LCDs, from building simple or complex designs to integration work.
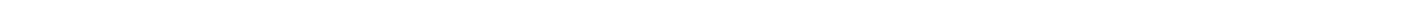
In our 124,000 sq. foot facility, we offer over 800 off the shelf products that include tablets, open and closed frame LCDs and much more. Our knowledge in innovative LCD technology and our high-quality control standards separate us from the rest. At ACDisplays, our teams have a true commitment to being your trusted partner.

OUR SERVICES

Off The Shelf LCD Products

NVIS Integration and Design

OCA, Optical & Bonding Services

Custom LED Integration & Design

Touch Screen Integration & Design

Custom Glass Supply Services

Turnkey & Design Services

EMI Shielding & Design

Film Enhancements & Repolarization

Certificated FAA Part 145 Repair Station

Component Assembly & Integration

LCD Controller, Cabling & Design

Testing/Certification of EOL Panels

Drop-in Replacement

Industrial Repair Program

Zero Dead Pixel Inspection

Industries Served

MILITARY

AVIONICS

HOTEL
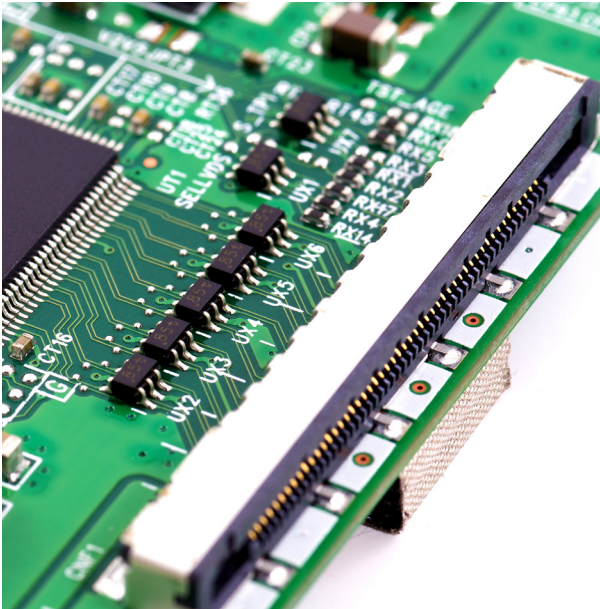

MARINE

MARKETING

MEDICAL

RESTAURANT
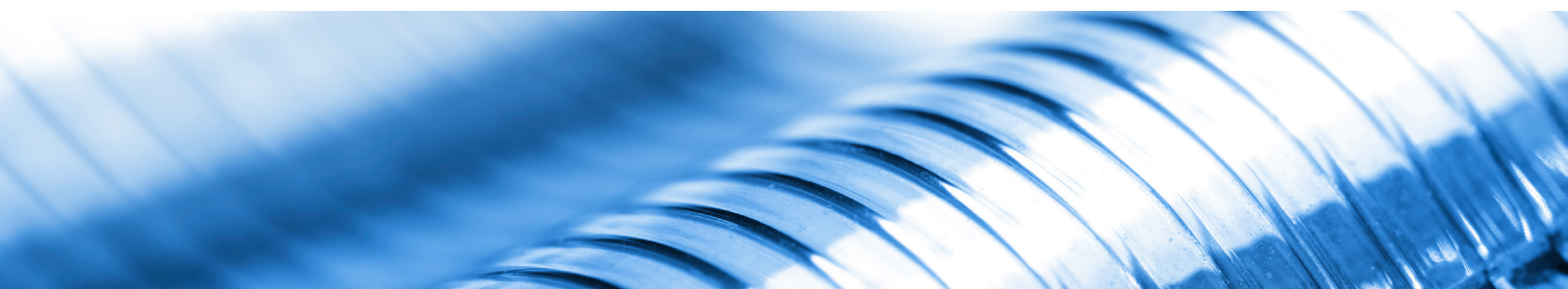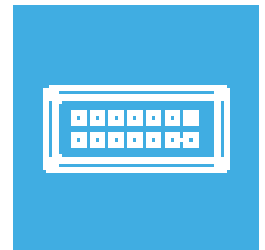

RETAIL

TRANSPORTATION

Cable Solutions

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DEVELOPMENT KITS

Get your LCD project off the ground fast with AGDisplays' development kits for prototyping. We have a selection of high quality connectors with flying leads, designed by our experts for increased LCD compatibility and enhanced performance. Our team aims to improve design time and increase the lifecycle of your project components. That's why we combine the best quality cabling components for our development kits. AGDisplays can also provide pairing and sourcing of the cabling/interface to drive your unit.

FFC

With flat flex cable (FFC) design, we can utilize chip on flex technology to pair LCD and touchscreen controllers directly to the LCD. Cables are offered in standard sizes or can be customized to length.

HYBRID WIRES

Hybrid wires offer the benefits of both the discrete wire and the flat flex cable. The connected technology allows for easy replacement of bulky wire cabling and therefore saves space.

FPC

Flexible printed circuit (FPC) has the potential to replace many rigid boards or connectors in a design. The single-sided circuitry is ideal for dynamic/high-flex applications and those applications where thickness and space constraints are top priority.
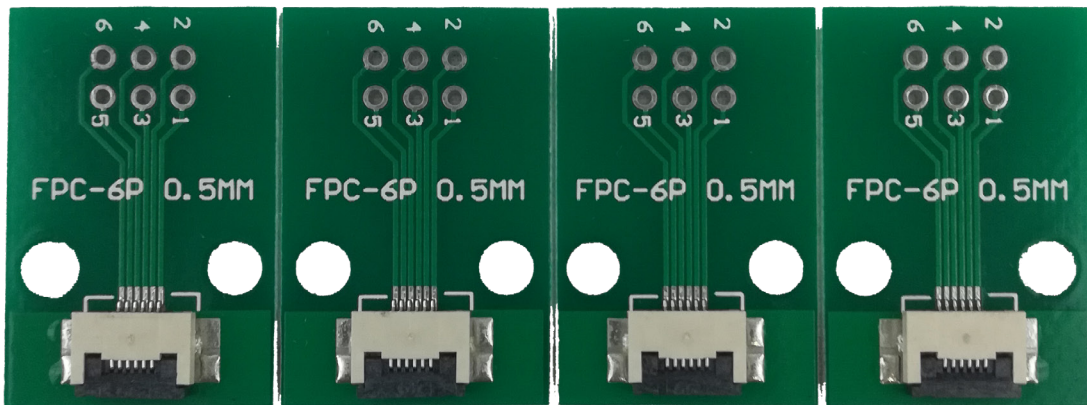
Cable Solutions

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ADAPTER BOARDS

Adapter boards connect applications together using two or four layer boards, allowing for your project to meet power and connectivity requirements. AGDisplays sources adapter boards so building and implementing advanced wiring technology is easy and fast.

FPDI-1/VESA

These VESA FPDI-1 compliant wires provide a smooth insertion and extraction, aiding to secure connections and an easy lock mechanism. The advantages of using these flat connectors is that they allow for small dimensions because they have a low profile and a narrow width design.

MICRO COAX

AGDisplays utilizes micro coax cables to connect panels, motherboards and other LCD peripherals. We offer gauge as thick as 40 AWG at standard lengths. Our micro coax cables meet UL standards.

EXTENSIONS

AGDisplays offers custom extension cables to help you create a cohesive and unified design. We offer backlight cable extensions and adapters, flat flex cables, flex printed circuits and round wire.

OPEN ENDS

AGDisplays designs custom flying leads and open ended wiring assemblies for prototyping and benchwork needs. With thousands of cables at your fingertips, we provide you with the opportunity to create custom wiring prototypes.

LED Controllers

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ACDisplays are considered pioneers in high bright LED technology. We carry our own line of High Bright LED rails that we continue to advance as the industry changes. Our controllers are designed to seamlessly integrate with your unique panel specifications or virtually any OEM LCD panels. The difference between ACDisplays and our competitors is that our controllers provide a high brightness output while still keeping power consumption low.
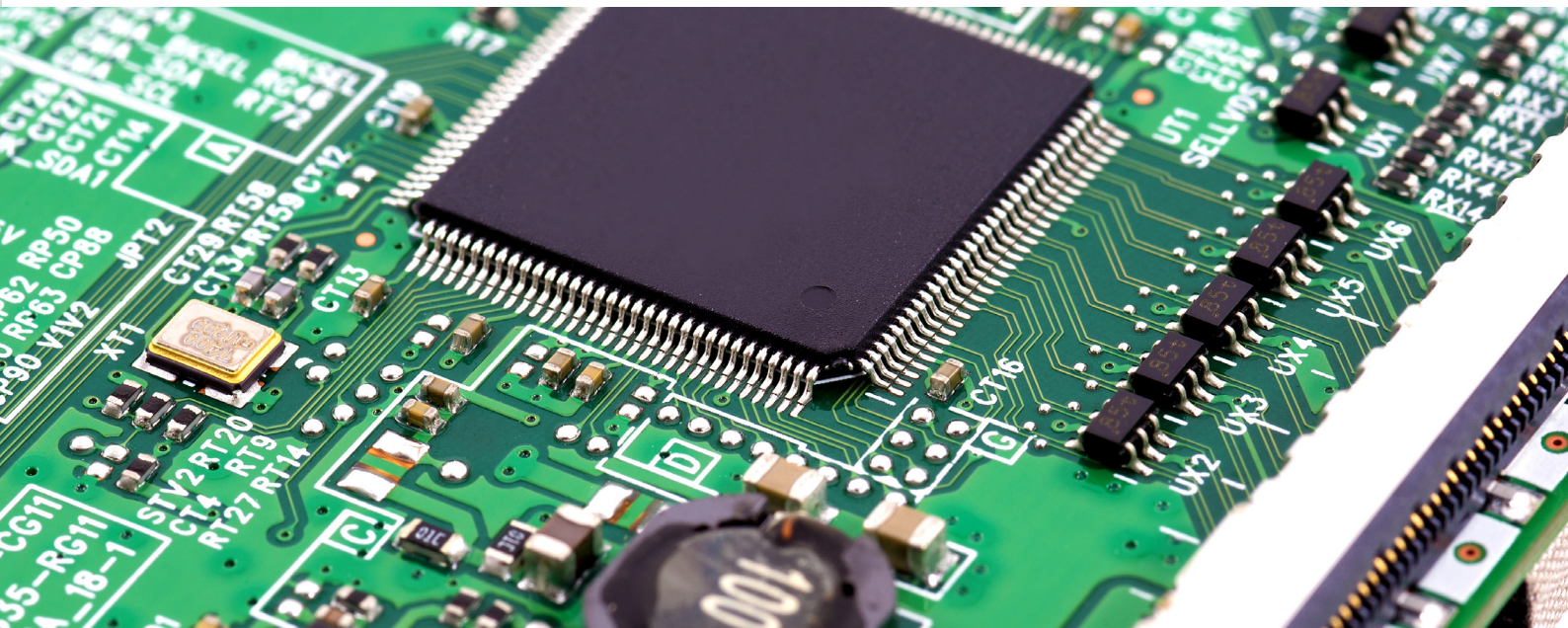
Our controller capabilities have a wide adjustable input range that can be adjusted anywhere from 12 to 24 volts. All of our controllers are constant current which means they automatically regulate and adjust the current appropriately to maintain a safe and constant current to your LED rails. The controllers are DC to DC power inverters with an error loop filter, and pulse width modulation dimmer control for your LED backlight strings. Our experts modify firmware to accommodate your design's dimming cycle/curve. Our customizable LEDs are designed to drive High Bright LED boards or a stock LED backlight.

ACDisplays also sources the most common types of controllers by popular supply voltage, output voltage and more. Common Supply Voltage Sizes: 2.3 to 5.5 V, 2.7 to 5.5 V and 3 to 5.5 V.

AGDISPLAYS CONTROLLER BENEFITS

- High output, lower power consumption
- Wide adjustable input range, 12-24 volts
- Constant current
- DC to DC power inverter
- Error loop filter
- Pulse width modulation dimmer control
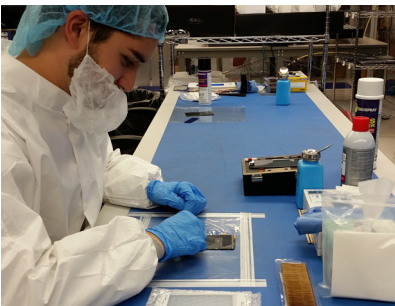- For high bright LEDs, stock LEDs or NVIS dual mode LCDs

Thank You

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COMMUNITY OF EXPERTS

Whether we are met with a new design or challenged with improving an existing design, AGDisplays supports your team by delivering unparalleled LCD expertise and technology. AGDisplays' partners benefit from our efficient design process and our dedication to creating quality design solutions.

We saw the need for off the shelf products, so we've added an expansive line of open/closed frame LCDs, digital signage, and all-in-one products. We offer unique LCD products like advanced touchscreen tabletops, high quality medical displays and rugged mobile devices. All of which can benefit from our value add integration services. Our products are used across many industries including Military, Avionics, Marine, Industrial, Medical, Transportation and many more.

CERTIFICATIONS

AGDisplays values high-quality working and design standards. We support your teams with the knowledge & expertise needed to make strategic design and manufacturing decisions.

CERTIFICATED PART 145 REPAIR STATION

AGDISPLAYS IS ISO 14001, 45001 & R2 CERTIFIED

CONTACT US

HEADQUARTERS
AGDisplays, a dba of AssetGenie, Inc.
220 Huff Ave, Suite 400
Greensburg, PA 15601

CONTACT BY PHONE
Toll Free: 844-841-6851
Office: 724-552-4904
Fax: 724-552-4905

CONTACT BY EMAIL
sales@agdisplays.com
info@agdisplays.com
support@agdisplays.com

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