PRODUCT PORTFOLIO

Comprehensive Product Offering

Global Manufacturing
Engineered Solutions
Collaborative Design
CUSTOM CONNECTORS

Insert Molding | Press-Fit Terminals | Complex Lead Frames

Custom Connectors and Insert molding products incorporate robust press-fit terminals with precision molding and low cost flexible assembly technology.

VERSATILITY

We focus on innovative, versatile and cost effective solutions tailored specifically to meet your project requirements. From basic molded headers to high-density shrouded connectors where environment and voltage rating are a factor, Autosplice has the experience, resources and expertise to meet your needs.

CAPABILITIES

- Progressive Die Stamping
- Vertical Insert Molding
- Horizontal Continuous Molding
- Press-Fit Terminals
- Complex Lead Frames & Busses
- Robotic Automation Assembly
- Dispensing UV Cured Materials
- 100% AOI, Hi-pot, and Continuity Testing

Infotainment / Instrumentation
Terminals, Auto Header, Custom connectors

Sensors & Fuel Control Modules
Integrated Connector Assemblies, Terminals, Custom Header, Busbars

ECU & BCU Control Units
Custom Connector Assemblies, Terminals, Custom Header, Busbars

Radar Housing
Integrated connector module

Airbag Modules
Integrated connector module
INSERTION MACHINES

Gen 5 Series High Speed Insertion | Compatible with Pins ans Terminals

We have tooling available for solid press-fit, compliant solder less components; PCBs; plastic, ceramic and metal substrates. Additionally, all tooling is transferable across the entire range of insertion systems, accommodating future growth needs.

Our insertion machines are available in single-head or dual-head configurations, offering electronics manufacturers an ideal combination of flexibility and throughput for both high-mix and high-volume production environments.

AUTOMATION OPTIONS
- Assembly specific custom automated solutions
- Precision automated optical inspection
- In-line and off-line solutions for automated insertion

TERMINALS

For PCBA and Molding Insertion

Press-fit terminals designed with excellent insertion and retention force
- 0.4 mm coming soon
- 0.64 mm
- 0.82 mm
- 1.2 mm

Solder tail terminals progressive die tech provides terminals in continuous reeled format
- Blades
- SMT sockets
- Receptacles / Sockets
- Tuning Forks
- Horizontal Blades / Pins

AP/2 drawn wire pins large variety of low cost pin sizes for high speed automation
- 0.1 mm – 1.2 mm pins
- Press-fit coming soon
- Conforming Semi Press-fit
- Star and Knurl pins

For more information please visit www.autosplice.com
TERMINAL HEADERS

Press-fit Headers | Solder Tail Headers | Single and Dual Row | Right Angle

Supplied on a reel, Autoheader enables a manufacturer to source a single part number for ease of procurement. Any number of pin positions can be automatically cut from the continuous reel and inserted by industry standard placement equipment. Autoheader products are also available in trays, tubes, or tape and reel formats, pre-cut to your requirements.

Custom headers are easily produced for many standard Telecom, Consumer, Computer and Automotive USCAR socket connectors.

FR-4 HEADERS

Cost-efficient Custom Headers

Eliminates the need for custom over-molding, while you get a benefit of a custom header at a budget-minded price.

FEATURES
- Minimize tooling cost
- Quick turnaround prototypes
- Various header thicknesses and colors
- Low cost changes
- Various packaging: bulk, strip form, panels or tape & reel
- Low volume to high volume
- Replace hand placement of components
- Custom designs with quick turn delivery
- Ask us how to package for automation
SPLICE TECHNOLOGY

Versatile Splice Applications | Wire Splicing Machines | Spliceband Material

Splice Technology produces gas-tight, repeatable, and waste-free low resistance connections. Splice Technology feeds, cuts, forms and splices connections quickly, eliminating the need for pre-formed crimps.

As the industry leader, our vast tooling library provides solutions to the most challenging wire types and materials. These tooling options accommodate multiple wires, strain relief, magnet wire, tinsel wire, litz wire, and coax wire, of virtually all gauge diameters.

Produced in a variety of material options and sizes, Spliceband® offers greater reliability than soldering with faster throughput.

SPLICE ASSEMBLY MADE EASY

Use our expertise and unlimited capacity to supplement your existing production or assemble it from scratch.

- Splice assembly services performed with lower costs at our manufacturing center in Mexico.
- ISO TS16949 quality certification meets your highest manufacturing expectations

ADD-ON OPTIONS

- Crimp Force Monitor
- Mountable camera and a display for smaller applications
- Spliceband available in several widths, thickness and metal types

For more information please visit www.autosplice.com
SURFACE MOUNT TECHNOLOGY

SURFACE MOUNT SHIELD CLIPS AND SHIELDS

Autosplice shield clips and covers offer premium RFI and EMR noise suppression with two designs, the standard shield clip uses four independent spring contacts and the corner shield clip to minimize interference on the most sensitive devices.

Shield clips are available in EIA standard tape and reel packaging for automated, high-speed assembly placement. Component EMI/RFI shields are made to order to accommodate your device requirements.

Our shield clips have manufacturability in mind. Designed with an easy pick-n-place added feature it allows you to grab a clip from the top using standard nozzle versus using a smaller geometrical one while maintaining the solder-wicking hole at the bottom. Preferred by most volume assembly manufacturers for ease of use and functionality.

THROUGH-HOLE AND SMT SOLDERBALL PINS

Standard Solderball Pin products are available with different pin tail configurations, including straight, tapered or double-tiered to accommodate PCB layouts, assembly processes and dimensional optimization.

Solderball Pins have been tested to perform current capacities of up to 40 amps. Packaged in tape and reel formats, Solderball Pins from Autosplice provide a cost-effective solution for today’s high density circuits.
INTEGRATED ASSEMBLY

Power distribution modules | Shape Memory Alloy assemblies

Autosplice offers sub-assembly services with PCBA, terminals, and molding to support your specific industry through one supplier. Flex line approach allows flexibility to support volumes that are less attractive to the big box EMS environments.

Eliminate expensive separate connectors, wave soldering, and selective soldering in favor of more cost-effective processes.

SHAPE MEMORY ALLOY DESIGN

Shape Memory Alloy (SMA) Wire Devices use a particular alloy of high strength corrosion resistant Nitinol material that contracts 4% or more when heated and requires much less energy than alternative methods. SMA wire is used reliably in a wide variety of applications, including medical, computer, consumer, automotive and industrial products.

**Design & Development**
Design and development of shape memory alloy (SMA) wire assemblies and actuators, incorporating Autosplice’s patented crimp technology

**Prototyping**
Prototyping of SMA wire assemblies and actuators, by actual tooling or by a combination of actual tooling and 3D printing

**Performance Testing**
Life cycle and performance testing of SMA wire assemblies and actuators, including setting up of test protocols, and design and fabrication of test fixtures

For more information please visit www.autosplice.com
LET'S PUT MORE THAN 60 YEARS OF INNOVATION TO THE TEST

Autosplice is a global manufacturer involved in design engineering, precision metal stamping, molding, automation and manufacturing of state-of-the-art products for the automotive, medical, telecom and other major industries. We are passionate about developing innovative interconnect solutions for our customers.

Autosplice continually strives to be our customers' first choice in every international market we serve by exceeding commitments, delivering high quality products, and demanding operational excellence while pursuing the highest standards of business practices.