

Open Cavity Thermoplastic Packaging Solutions

Photonic & LED
RF Power
MEMS Devices
Solder-less Modules
Sensors
Motor Drivers



Automotive Sensors & Modules
Semiconductor Lead-Frames
Consumer Electronics
Telecom Amplifiers
Industrial Controls
Military Avionics
Medical

TM
Interplex
Engineered Products
An Interplex Industries Company

Interplex Engineered Products | 231 Ferris Ave. | East Providence, RI 02916 USA

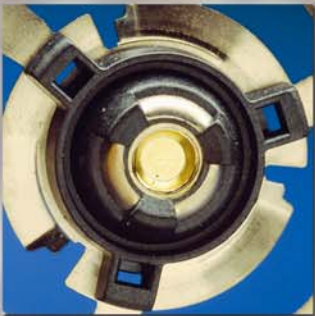
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www.interplex.com/iep

Interplex Engineered Products (IEP) is a turnkey vertically integrated world-class supplier of application specific open cavity thermoplastic Electronic Packages across all major markets.

Expertise in Application Engineering combined with our product design and full compliment of turnkey manufacturing processes, allows IEP to offer complete solutions from concept through development and into scalable high volume production for most any packaging requirement.

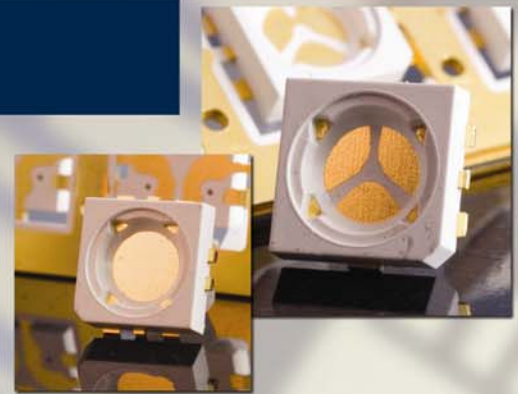
PHOTONIC / LED PACKAGES



Photonic Receiver

Applications

- Fiber Optic Receivers
- High Power LED Mounting
- Multi-chip-Multicolor LED Mounting
- High Brightness LED
- SMD or Through-Hole Package



Parallel (Multicolor) LED Package

Features

- Thermally Efficient Dual Leadframe Technology
- Power Dissipation levels to 8 W/Mk
- High Reflectance LCP
- Economical Reel to Reel Lead Frame Array
- Low cost – Higher performance
- Several Wire & Die Bondable Plating Options

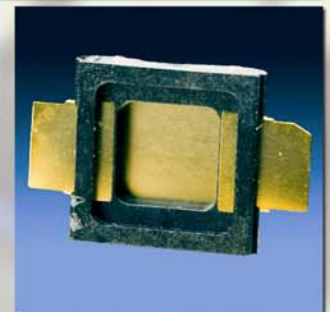
RF POWER PACKAGES



Two Stage LDMOS Amplifier Package

Applications

- Cellular Handset
- Cellular Infrastructure
- RF Power Discretes
- Military Avionics
- RF ID tags
- High Definition Display



Single Stage LDMOS Amplifier Package

Features

- LCP Package Technology
- Dual reel to reel lead-frame Technology.
- Thermally Efficient Pure copper base alloy
- Power Dissipation levels up to 160W/Mk and beyond
- Low Dielectric Constant / Low Capacitance
- Snap-on Lid option
- Low cost – Higher performance
- Several Wire & Die Bondable Plating Options

Interplex Engineered Products, located in a modern 125,000 SqFt facility in East Providence RI, is part of a global network of Interplex Industries Companies. With over 25 world wide locations in 10 Countries, Interplex provides similar services in a variety of industries. Interplex provides single source options with many strategic supply chain opportunities to insure the success of our customers in a constantly changing global marketplace.

SENSOR & MEMS PACKAGES



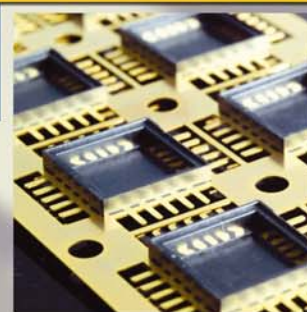
Automotive Pressure Sensor

Applications

- Motion sensors
- Photovoltaic sensors
- Automotive Sensors
- MEMS Devices

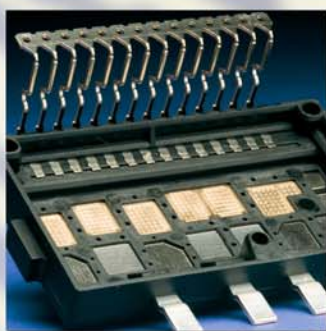
Features

- Copper or Plastic Die paddle
- Low Dielectric Constant
- Reel to Reel Dual Lead frame Array
- High Performance LCP Thermoplastic
- Several Wire & Die Bondable Plating Options
- SMD or Through-Hole Packages



20 Pin MEMS SMD Package

MOTOR DRIVES & SOLDER-LESS PACKAGES



Motor Driver Power Amplifier

Applications

- Automotive & Industrial Control Modules
- Motor Driver Assemblies
- Brake & Steering Assist
- Pressure Monitors
- Intake Flapper Controls
- Automatic Doors
- Motor Starters
- Engine & Transmission Controllers
- Proximity/Positions Sensors Modules

Features

- Solder-less Press-Fit & Tuning Fork Interconnects
- High Performance LCP Thermoplastic Available
- Wire Bondable Options
- Integrated Multiple Lead Frame Arrays
- Reel to Reel Copper Heat Sinks
- Harness and PCB Interface options



Solder-less Automotive Module

TM
Interplex
Engineered Products

Manufacturing Disciplines

Prototype & Development Center
Internal Tool Design & Build
Reel to Reel Lead Frame Etching
Reel to Reel Integrated Lead Frame Stamping
Reel to Reel LCP Thermo-Plastic Over Mold Expertise
Wire and Die Bondable Plating:
Soft Gold, Gold over Palladium, Silver, Nickel Palladium
Nickel Phosphorus, Spot, Stripe, etc.
Product Design, Automation Engineering & Fabrication



Interplex Global Locations



Americas

California: Interplex Nascal
Connecticut: Interplex Technologies
Florida: Interplex Proto-Stamp
Florida: Interplex Sunbelt
Illinois: Interplex Daystar
Kentucky: Interplex Plastics
Massachusetts: Interplex Etch Logic
Massachusetts: Interplex Metal Logic
Mexico: Interplex Mexico
New Jersey: Interplex NAS
New Jersey: Interplex Precision Machining
New York: Interplex Industries, Inc.
Ohio: Interplex Medical
Rhode Island: Interplex Metals
Rhode Island: Interplex Engineered Products

Europe

France: Interplex Soprec
Germany: Interplex NAS GmbH
Hungary: Interplex Hungary
Scotland: Interplex PMP

Asia

China: Interplex Electronics (Dalian)
China: Interplex Electronics (Hangzhou)
China: Interplex Stewart EFI
India: Interplex India
Malaysia: Interplex Malaysia
Singapore: Interplex Singapore