



*distributor **plus***



www.innovision-group.net

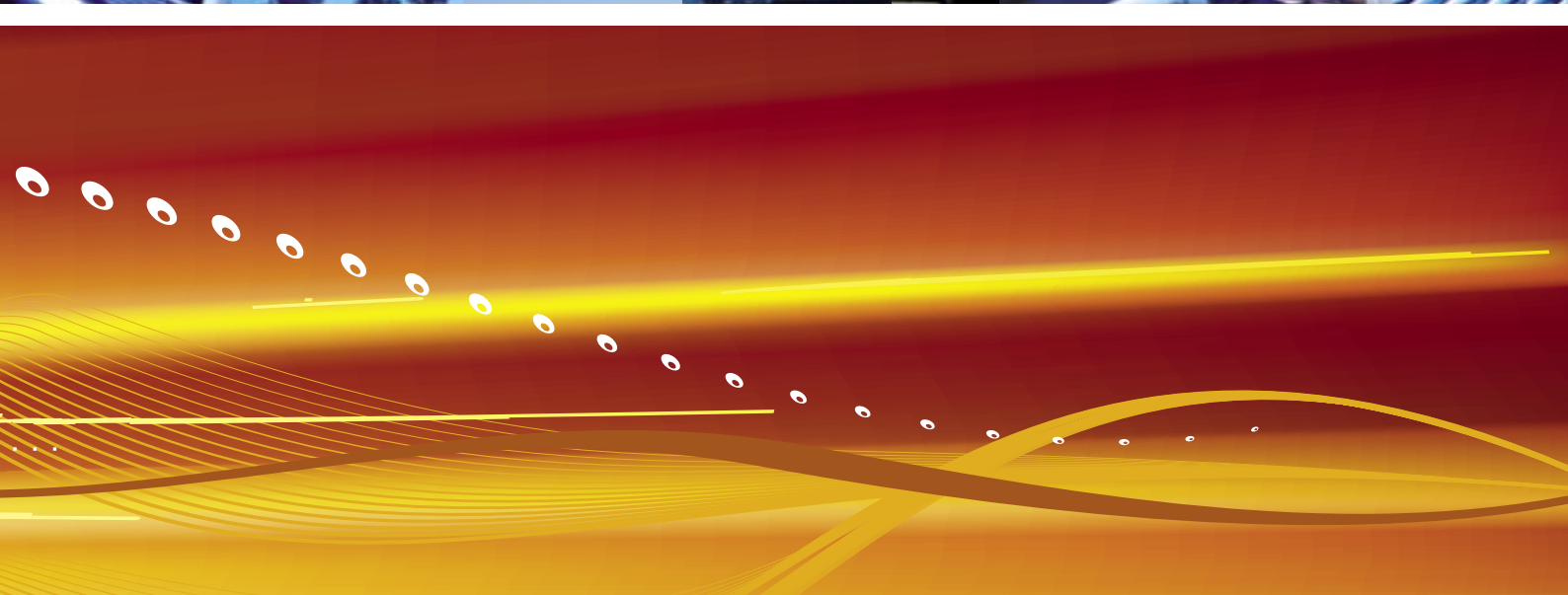


Innovision Components is a global provider of products and solutions to industrial and commercial users of electronic components and systems. Headquartered in London, England, Innovision Components is the link between customer and manufacturer, managing over 2,000,000 stocked products for OEMs, contract manufacturers and commercial customers. In addition to its London headquarters Innovision Components serves customers world wide via its regional offices in Singapore, the USA, Hong Kong and India.

Innovision Components provides technology solutions for its customers in a breadth of markets including automotive, aviation, healthcare, telecommunications, information systems, defence and industrial applications. Innovision Components' core competence is in managing the complete component supply process including the supply of complete kits for just in time manufacturing, negotiation with suppliers and sourcing of hard to find obsolescent components.

Our Business Segments

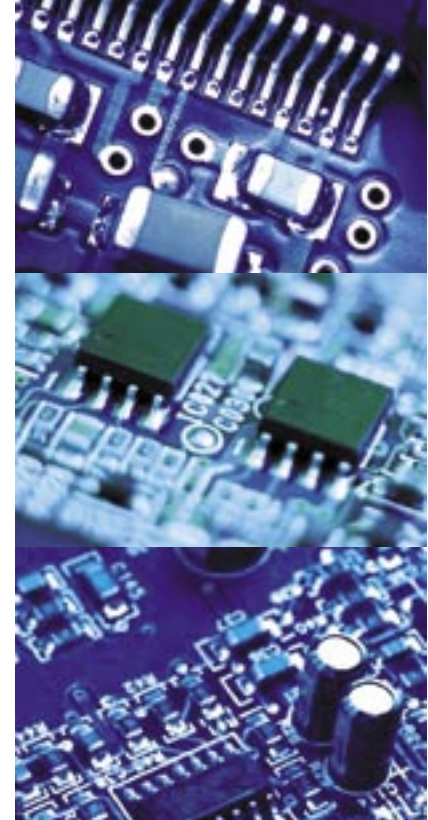
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|-----------------|---------------------|
| ■ Automobile | ■ Aqua Care |
| ■ Aviation | ■ Defence |
| ■ Health Care | ■ High Voltage Appn |
| ■ Networking | ■ Power Electronics |
| ■ RFID Products | ■ Telecommunication |





Going beyond this, Innovision Design, a part of Innovision Group provides specialized services and expertise at each stage of a product's life cycle from prototype design to complete box manufacture.

In a modern high technology product the bill of materials can represent up to 80% of a product's cost. With fast changing technologies the production lifecycle can be as little as a year before a design upgrade. For such products to be manufactured and sold profitably it is essential to have optimal control of the supply chain. Innovision Design has the resources and experience to meet all these needs with design, fulfilment, materials planning, inventory management, and manufacturing solutions.



Fact File

Industries:

- Hi-tech Electronics
- Manufacturing
- Electrical
- Automotive
- Retail & Distribution
- Healthcare & Life Sciences
- Chemical & Pharmaceuticals
- Oil & Gas
- Telecommunications

Content Solutions For:

- Supply Chain Management (SCM)
- Product Lifecycle Management (PLM)
- Product Data Management (PDM)
- Enterprise Resource Planning (ERP)
- Customer Relationship Mgmt. (CRM)
- Supplier Relationship Mgmt. (SRM)
- Procurement
- Sales & Marketing
- Catalog Management

Services

- Engineering Design Services

Enterprise Content Management Services

Component Engineering

- Data Transformation for enterprise systems
- Bill of Materials (BoM) Cleansing
- Obsolescence Management
- Second Source Development
- Cost Reduction

Master Data Management

- Direct Materials data
- Indirect / MRO Materials data
- Product Information Management (PIM)
- Supplier Data Management
- Customer Data Integration

Environmental Compliance

- RoHS
- WEEE
- REACH
- ELV, GADSL

Analytics

- Spend Analytics
- Inventory Analytics
- Customer Analytics
- Sales Analytics

Consulting

- Strategic Sourcing
- Procurement Management
- Environmental Compliance
- Supply Chain Optimization
- Low Cost Country Sourcing (LCCS)

Enterprise Design Services

Electronic Design

- Circuit Design
- PCB Layout
- Component Engineering
- Reverse Engineering
- Prototype Build
- Embedded Design

Mechanical Design

- Product Design
- Enclosure Design
- Design Analysis
- Reverse Engineering
- Prototype Build

CAD and CAM

- PCB Design
- Library Development
- Modeling & Detailing
- CAM Solutions
- Data Migration

Sourcing

- Alternate Manufacturer Sourcing
- Alternate Part Sourcing
- Lead Time Reduction
- Part Price Reduction

Innovision Advantage

Domain Expertise:

Deep understanding of functions across supply and demand chain.

Speed, Reliability, and Efficiency:

Proven experience in consistently delivering high quality services to global customers for over a decade.

Dual Shore Model:

Provides customers the advantage of on-site project management while leveraging the benefits

PCBs Fabrication

Working with its business partners, Innovision provides a complete system design and manufacturing capability including state of the art production of multi layer boards up to 16 layers.

Range of PCBs

Double sided PCBs

Multilayer up to 16 Layers

PCB with Standard FR - 4 Material

RoHS Compliant ($T_g > 170^\circ\text{C}$) PCBs

HDI PCBs

Manufacturing Capability and Technical Specifications

Items	Double Sided	Multi Layers
Layers	2	4 ~ 16
Material Thickness	0.40~3.20	0.40 ~ 3.20
Material Type	FR-4, Halogen free, High Tg	FR-4, Halogen free, High Tg
Copper Thickness	0.50 ~ 6 oz	0.50 ~ 6 oz
Flammability Rating	94V-0	94 V
Peel Strength	12.3 n/cm	12.3 n / cm
Wrap & Twist	" 0.75%	" 0.75 %
Insulation Resistor	$\geq 5\text{m}$	$\geq 5\text{ m}$
Test Voltage	100 ~ 300V	100 ~ 300 V
Finished Board Size	560 x 600mm	560 x 600 mm
Min. Line Width / Space	0.076/0.076mm	0.076 / 0.076 mm
Hole Wall Copper Thickness	$\geq 20\text{ }\mu\text{m}$	$\geq 20\text{ }\mu\text{m}$
Outer Minimum Annul Ring	$\geq 0.125\text{mm}$	$\geq 0.125\text{ mm}$
Min Hole	$\geq 0.125\text{mm}$	$\geq 0.125\text{ mm}$
PTH / NPTH Hole dia Tolerance	0.076/0.05mm (PTH / NPTH)	0.076 / 0.05 mm (PTH / NPTH)
Routing Outline Tolerance	$\pm 0.10\text{mm}$	$\pm 0.10\text{ mm}$
Punching Out Line Tolerance	$\pm 0.127\text{mm}$	$\pm 0.127\text{ mm}$
Solder Mask Bridge	$\geq 4\text{mil}$	$\geq 4\text{ mil}$
Solder Mask Hardness	6H	6 H
S / M Ink Solderability	245°C 10sec	245° C 10 sec
Hot Immersion Ability	288°C 10sec	288° C 10 sec
Surface Plating	HAL, HAL LF, Immersion Sn/Ag/Au	HAL, HAL LF, Immersion Sn/Ag/Au
Quality Standard	IPC-A-600G, IPC-TM-650, IPC-6012B	IPC-A-600G, IPC-TM-650, IPC-6012B
Soldering Mask Type	LPI	LPI

Our Line Card



Partners





Innovision Group is always available to be contacted by its customers 24 hours a day. With the convenience of telephone ordering, web based stock information and fast same day despatch.

Innovision Group is here to serve you.

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