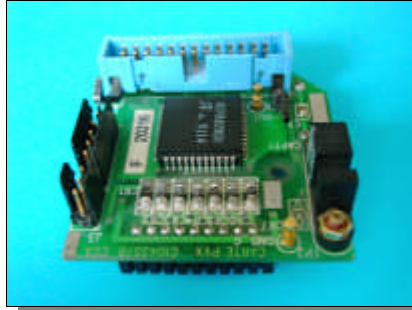


# SMD MODULES ASSEMBLIES

- **A better design:**

- Specific application
- Automated process
- Manual process



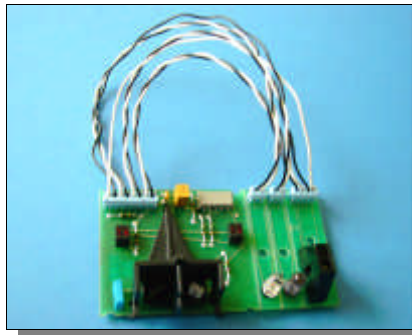
- **Manual assembly :**

- Wires, connectors, leds
- Batteries, switches
- Coils, cases



- **SMD Miniaturisation:**

- High density circuits
- Automatic assembly
- Reflow soldering
- Wave soldering



- **Cost savings:**

- One global partner
- Purchasing strategy
- Industrial costs
- Purchasing components

- **Integration:**

- Finished product
- Assembly PC board

- **Quality :**

- Statistical analysis
- 100% tested products
- ISO 9001

## GENERAL HYBRID

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<http://www.generalhybrid.com>



# SMD MODULES ASSEMBLIES

# TECHNICAL DATA

## ■ Base material

Alumina  
Rigid FR4 boards  
Flex Kapton ( Polyimide )  
IMS ( insulated metal substrate )

## ■ Components

Single and double side  
Fine Pitch  
QFP  
PLCC  
0402 case  
BGA

## ■ Finishes and encapsulation

Varnish,  
Epoxy powder coating  
Plastic housing  
Resin

## ■ Soldering

Reflow tunnel  
Wave soldering  
Manuel soldering

## ■ Burn in

As request  
Climatic cycle

## ■ Connexions

Leads pins,  
Soldering wires  
Connectors

## ■ Identification tracability

Logo reference  
date-code  
Marking upon request

## ■ Equipments

SMD pick and place  
Reflow  
Wave soldering  
Cleaning  
IEEE test equipment  
Ovens for climatic cycle

## ■ Test

100 % electrical test  
Test bench on request  
Statistical reports