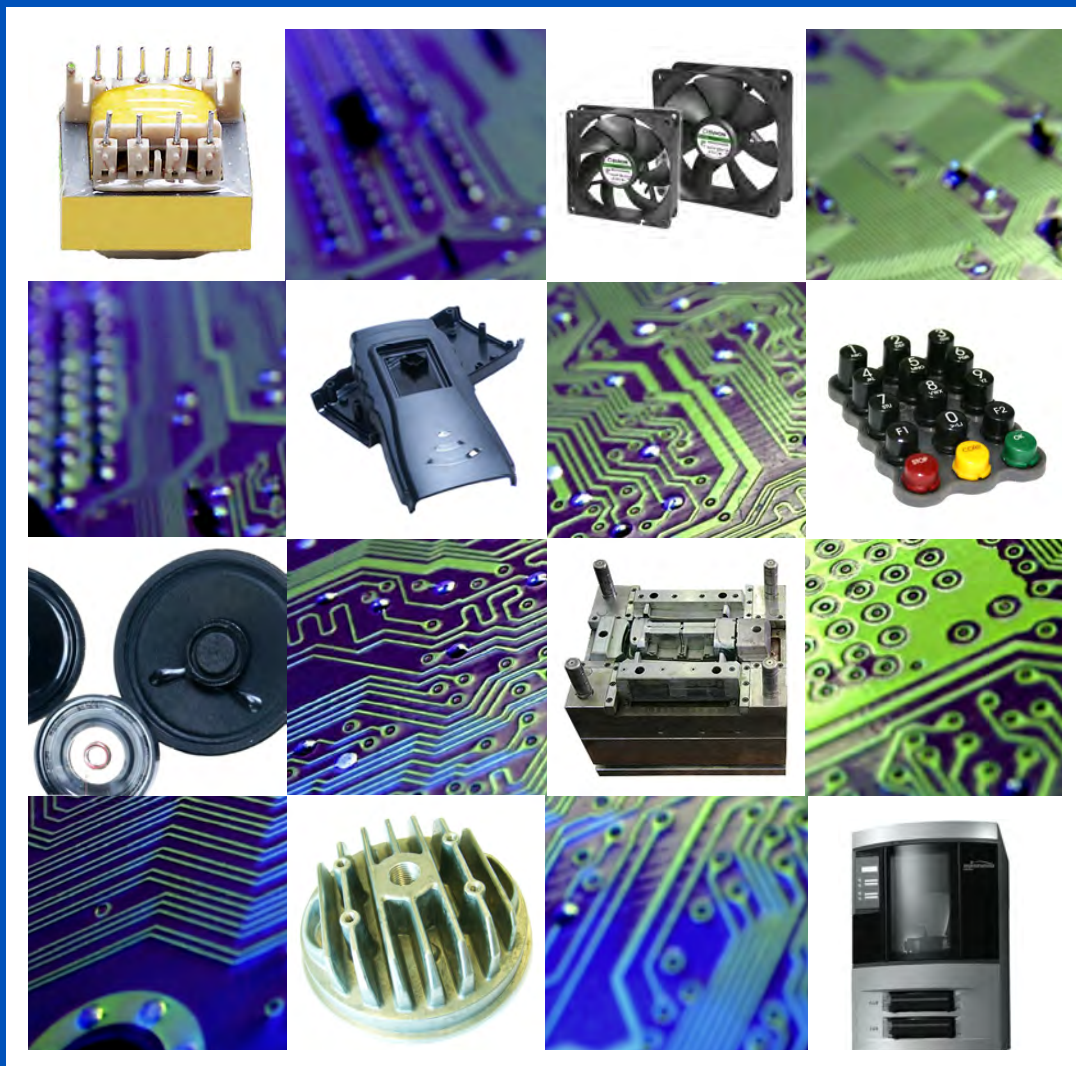




# Short Form Guide



**Global Supplier Of  
High Quality Components**



# Keypads, Rubber Products & Plastic Mouldings

G. English Electronics Ltd (GELEC) are the Exclusive UK Agent for Win Industry Co. Ltd. We have worked together for over 20 years to supply high quality, Plastic Mouldings, Silicone Rubber & Polyester Membrane Keypads, at very competitive prices to a broad spectrum of industries, meeting the appropriate quality requirements of QS9000 & ISO9002. Our Engineers provide full technical support from concept through to full production.

## Membrane

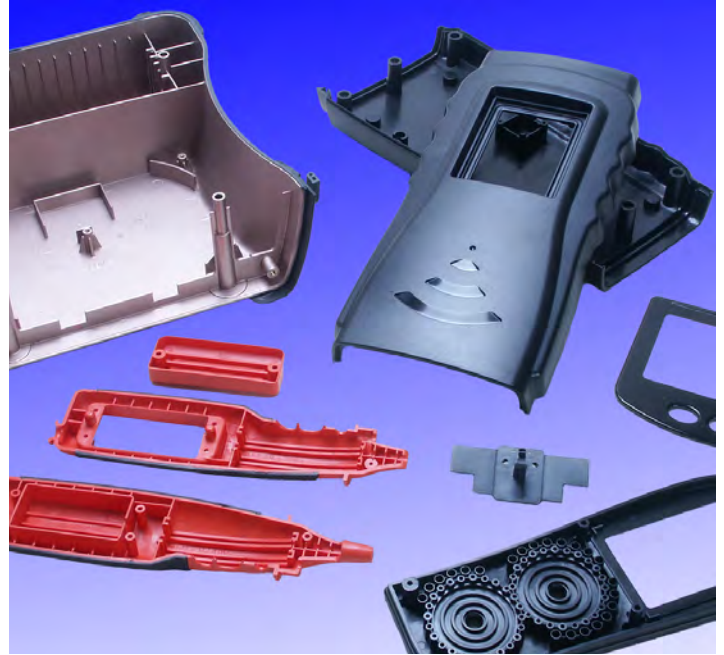
- ◆ EMC Screened Membranes
- ◆ Concealed Switching
- ◆ Graphics Labels including Switches
- ◆ Embossed Domes
- ◆ Metal Click Domes
- ◆ Matrix Output
- ◆ Integral Illumination
- ◆ Environmental Sealing

## Silicone Rubber

- ◆ Custom Designed Keypads & Components
- ◆ Protective Coatings: Matt/Gloss/Epoxy
- ◆ Long Operational Life
- ◆ Low Cost of Variant
- ◆ Moisture, Dust & Drop Proof

### Choose From:

- ◆ Long or Short Travel
- ◆ High or Low Operating Force
- ◆ Slight or Defined Click Action
- ◆ Various styles of Key Size, Location & Key Tops
- ◆ Integration of lighting features:  
Light Pipes/Backlight/Phosphorescent



## Plastic Mouldings

GELEC offer a full range of custom designed Plastic Housings with very competitive tooling charges and unit costs. Our Engineers can assist with Mechanical Design through to supply of mould and/or production parts.

Tooling and mouldings of the final product are produced in the same factory to keep tooling and proofing times as short and cost effective as possible.

We are able to supply parts in full or sub-assembly as required.

### Mouldings are available in a wide range of engineering materials including:

- ◆ ABS Mouldings to UL94-V0
- ◆ PC or Acrylic Clear Windows
- ◆ TPR/TPE Mouldings/Over-mouldings
- ◆ Nylon Moulded Parts/Glass Reinforced
- ◆ Double Shot Moulding
- ◆ In-Mould Printing
- ◆ Insert Moulds
- ◆ Alarm System Keypad/ Panel

**UK Prototyping  
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Available,  
Contact Us for  
Further  
Information**



# Sunon Fans & Metal Fabrications



SUNON is one of the World's leading Fan manufacturers, established in 1980 with a comprehensive award winning product range.

GELEC has been working closely with SUNON as their agent for over 25 years and is proud to present their range of technologically advanced cooling products.

## DC Fans:

Sizes: 8-120mm frame width and 3-38mm depth; 17-120mm frame width and 6-38mm depth. Available in 3V, 5V, 12V, 24V & 48V.

## DC Blowers:

Sizes: 25-120mm frame width and 10-33mm depth. Available in 12V, 24V & 48V.

## DC Power Fans:

Sizes: 38-120mm and 10-56mm depth. Available in 12V, 24V & 48V.

## AC Fans:

Sizes: 80-254mm frame width and 25-89mm depth. Available in 110V, 240V & 380V.

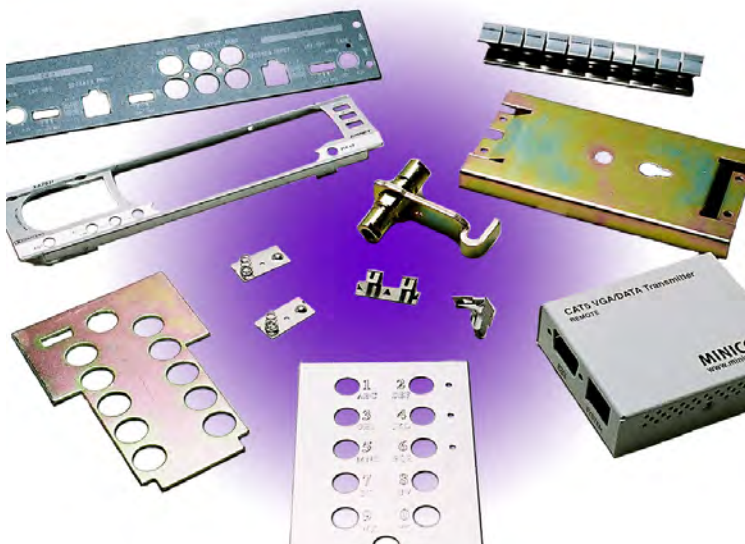
## Accessories:

Fan Guards, Filters & Cables.

## Metal Fabrications

GELEC are the sole UK agent for Shenzhen RunPeng Precision Hardware Co. Ltd.

Founded in 2002, RunPeng specialise in the bespoke manufacture of Zinc & Aluminium Alloy Die-Casting, Stamping, Machining and Mould Production.



## New Products

- ◆ Revolutionary New AC Fan Design
- ◆ Super Silence DC Range
- ◆ Vapo Bearing System
- ◆ New Power Motor System with super high airflow
- ◆ Patented MagLev® System for improved life
- ◆ New Industrial Blower Range
- ◆ Mighty Mini Fan and Blower



## Casting: Pressure Die-casting and investment Casting:

- ◆ Lost Wax Process
- ◆ Lost Foam Process

## Machining:

- ◆ CNC Machining
- ◆ Lathe Turning
- ◆ Laser/Plasma cutting
- ◆ Sheet Stamping
- ◆ Sheet Forming

## Finishes:

- ◆ Painting
- ◆ Anodising
- ◆ Plate & Passivate
- ◆ Conversion - Coating/Plating
- ◆ Electroplating
- ◆ Powder Coating
- ◆ Brush Finishing
- ◆ Sand/Bead Blasting



# Speakers, Sounders, Cable Assemblies & Connectors

GELEC offer an extensive range of quality Speakers and Sounders for Telecommunications, Computer, Industrial and General Purpose Audio applications.



## Cable Assemblies

GELEC supply custom designed Cable Assemblies that are manufactured to your specific requirements using either standard or custom connectors and using termination styles including, Solder, IDC & Crimp.



## Speakers

- ◆ Sizes from 13mm
- ◆ Low Profile Types
- ◆ Polyester/Paper Cone
- ◆ Alnico/Ferrite Magnet
- ◆ Round/Square/Elliptical
- ◆ Custom designed Speakers to suit specific applications
- ◆ Microphones

## Sounders

- ◆ Piezo Sounders
- ◆ Piezo Sirens
- ◆ Piezo Elements
- ◆ Surface Mount Sounders
- ◆ Magnetic Transducers



## Connectors

We can supply various styles of connectors from General Audio Connectors to Custom Manufactured types.

### Various types available include:

- ◆ Audio Connectors
- ◆ Standard/Mini Din Connectors
- ◆ DC Power Sockets
- ◆ D-Type Connectors
- ◆ IC Sockets
- ◆ I/O Connectors
- ◆ Pin Headers & Terminal Blocks
- ◆ Modular Connectors
- ◆ Earphone Jacks
- ◆ Custom Manufactured



# Wound Components, Batteries & Adaptors

## Wound Components

GELEC are able to offer a wide range of Wound Products, from low profile transformers for Telecoms Applications, to larger Ferrite or Laminate Core Transformers. We can also supply Inductors in the form of Balun, RF, EMC, Moulded or chip forms.

### Other Wound Products include:

- ◆ Telecoms Transformers
- ◆ Power Transformers
- ◆ Line Filter Chokes
- ◆ Common Mode Chokes
- ◆ Custom Chokes & Filters
- ◆ Ferrite Beads & Cores
- ◆ EMI Filter Chokes
- ◆ Wound & Multilayer Chip Inductors



## Batteries

GELEC offer a wide range of Batteries, from Lithium Coin Cell and Re-chargeable AA Cells for general purpose applications, up to Heavy Duty Lead Acid Batteries for more demanding applications.



## Adaptors

We also supply custom and standard Adaptors to suit a wide range of applications.

### Options include:

- ◆ Linear-Regulated and Unregulated
- ◆ Switch-Mode
- ◆ Custom Labels
- ◆ Bespoke Mouldings
- ◆ Optional Output Connectors
- ◆ Battery Chargers



### Options include:

- ◆ Alkaline Batteries
- ◆ Super Alkaline Batteries (Mercury & Cadmium Free)
- ◆ Super Heavy Duty Batteries (Mercury & Cadmium Free)
- ◆ Button Type Lithium Batteries with or without Welded Tabs
- ◆ Cylindrical Lithium Batteries
- ◆ Ni-Cd Rechargeable Batteries
- ◆ Ni-MH Rechargeable Batteries
- ◆ Li-Ion Rechargeable Batteries
- ◆ Maintenance Free Lead Acid Batteries
- ◆ Battery Holders
- ◆ Battery Connectors



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