

CATALOG

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- **5 MID-TO LONG-TERM VISION**
- 6 SALES TRENDS IN YEARS

CORE-COMPETITIVENESS

- 1 R & D CAPABILITY
- **2 MANUFACTURING CAPACITY**
- **3 QUALITY ASSURANCE ABILITY**
- 4 PERFECT SERVICE SYSTEM

GREEN KKG

- 1 GREEN PURCHSING
- **2 GREEN DESIGN**
- **3 GREEN PROCESS**

KKG'S PRODUCT

- 1 SERIES OF PRODUCT
- 2 APPLICATION PROGARM











The second factory

Jinwan District Sanzao town Zhuhai City Guangdong

The first factory
Hoping hsiang, taichung hsien,
taiwan

The third factory
Tangxia Dongguan City
Guangdong

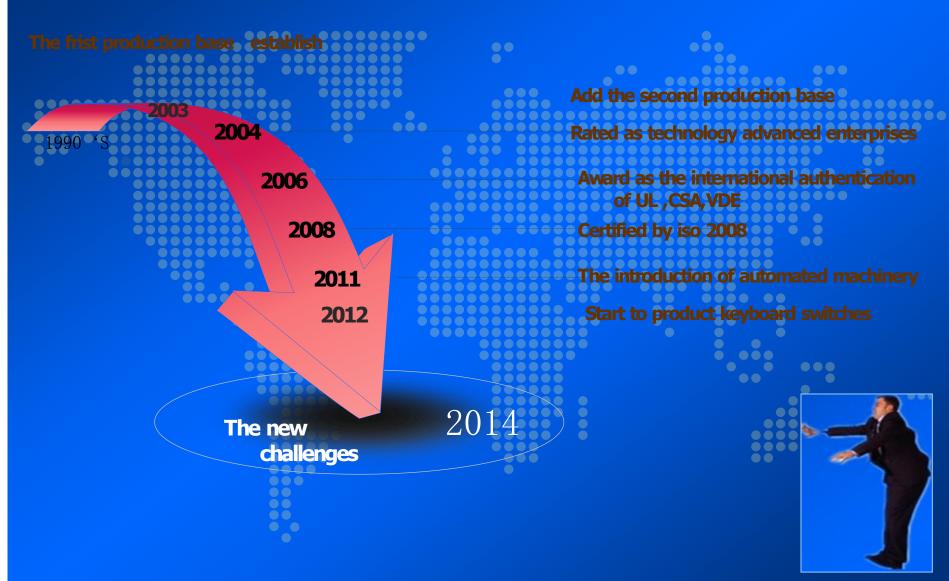


- Company Name: KKG Corporation
- Entrepreneurship: Jan 1992Establish Day: Jan 26th 1998
 - Enterprise's nature: Taiwan funded enterprises
- Capital(2011):US\$568 million registered capital
 US\$2048 total investment
- Total sales(2011): US\$720 million
- Employees' number: 1200
- Business' scope:switches, Jacks, connectors, LED...electronic components
- Factory scale:

The first factory land area: 2500 square meters, the building area: 1800 square meters. The second factory land area: 1700 square meters, the building area: 1500 square meters. The third factory land area: 2300 square meters, the building area: 2000 square meters.

- Factory office
 - Taiwan
 - 1 MARKETING (Global)
 - 2 develop new business
 - 3 core parts processing and scheduling
 - 4 research and development (R & D)
 - 5 die / device, tool design & Production
 - **Mainland**
 - 1 manufacturing (parts and products)
 - 2 mold design and manufacture of repair
 - 3 automation machinery development & Production
 - 4 Chinese domestic and overseas business
 - 5 product development (Chinese domestic)

COMPANY HISTORY



Welcome to KKG

KKG'S Philosophy:

To take the route of sustainable development

KKG'S Corpoate Culture:

Direct business midel

Understand customers' needs

KKG'S Code of Conduct:

- 1 By the rule of international environmental standards
- 2 Serves socity
- 3 The client is consummate
- 4 Seek international top-ranking technology level
- **5** A family for all employees



KKG'S CORE



MID-TO LONG-TERM VISION

The leading domestic field in Electronic components

The enhancement of global brand competitiveness

Sales 1 billions / Profitability 0.1 billions

Target

Promote

Strategy

Jump to the top brand

Brand competitiveness

Customer quality assurance

- Execute strategy focus new product

1. 1 product development & Education

- 2. Ensure that the difference of technical strengtl
- Develop SPEED/Develop quality improvemen
- 3. Expand the high added value products
- diversification and advanced product
- 4. Strengthen global Marketing/Network
- to open up large enterprises in China and Soul
- 5. Improve the Bewin Electronics brand's awarer
- to ensure the development of large customers

1. Ensure the brand competitiveness

- A plurality production base and field of materials
- 2. The idea of price corresponding survival strategy
- Raw material / die / production differentiation
- WORLD TOP TPM factory
- 4. Save the price of raw material
- -Learning related raw materials development
- -The original thrift manufacturing activities

- 1. 6 Sigma quality innovation -the challenge of poor quality of ZERO
- 2. To construct the best manufacturing PROCESS 3. Innovation for manufacture high efficiency, low cost The improvement in TF activity of no defect quality
 - 3. Elite organization / ability class -work side by side, reform and innovation
 - 4. Human resources LEVEL-UP
 - -human level-up /the education for the company all internal and external

3 set 5S of life and basic Rule compliance

SALES TRENDS IN YEARS



Research & Development Center



Production engineering

Integrated management

Sustain represent the up-to-date technology

R & D CAPABILITY

-----Product development

The Torganization of development

The development of home appliances and IT products by Switch (I group)

Development of automotive Switch class (II group)

The R/F switch and Connector & LED FRAME (IT product development group)

The development of IT products for high-tech products (IT product development group)

The soft ware of design used:

- 2D design --- Auto CAD (M2000i)
- 3D design -- Inventor-10

Application program—— Catia - V5 (HD2)

Staff development: 13

Main achievements:

Multi-way s/w (5 way switch) Mobile phone, GPS navigator, MP3, monitor.....

Vibration s/w: Rotary direction identificate induction switch (Tilt Function) --- Monitor Rotary induction switch

Encoder s/w: Apply to gray code's Pulse switch --- Microwave oven, washing machine etc

Detector s/w: Apply to CD-ROM, DVD-ROM's output switch and note book etc

R / F s/w : Apply to mobile phone, DMB, GPS, WLL terminal, wireless network phone etc

R & D CAPABILITY

----Mold development

The Torganization of development

Design team: ensure the development cycle, rapid the improvement of product structure

Processing team: own advanced mechanical processing equipment, to ensure the accuracy of mold.

Staff development: 7

Main achievements

Pick-up precision parts and mold development: with the domestic constantly improve, gradually replace imported products – Samsung

Mobile phone product development --- Intena (Samsung), R/F switch

Switch Reel to Reel precision molds development --- Type (Insert automatic injection mold)

The soft ware of design used:

2D design --- Auto CAD (M2000i)

3D design --- Inventor-10, Solid-Works

The analysis system of injection molding --- MAPS 3D (VM Tech)





MANUFACTURING CAPACITY



Automatic injection system



Automatic assembly equipment



Automatic assembly workshop



Automatic test equipment



Encoder automatic oiling



Encoder automatic detection

The main production equipment

	The main holding device	Qualitaty
The main production equipment	All kinds of punch Vertical injection molding machine Horizontal injection molding machine Laser marking machine Automatic riveting machine Automatic assembly machine Automatic testing machine Automatic oil machine Automatic packaging machine Ultrasonic welding machine	57 18 2 16 36 46

QUALITY ASSURANCE ABILITY

Professional measuren

Have a professional and precision measuring equipment.



Specialized laboratories for the reliability verif analysis.

Green product:

Products meet the requirements of Reach, Rol

Quality system:

The quality is increasing maturity and own RoHS management system.

Quality management system:

Through the ISO-9001 quality assurance system to implement the assurance of quality.

















The equipment list of reliability test

Distinguish	The main holding device	Qualitaty
The reliability of test equipment	Salt spray test machine Constant temperature and humidity machine Steam aging test machine Welding machine Reflow Tester Life test machine Bubble tester	1 1 2 2 2 12 1
Measuring equipment	3 coordinate measuring machine Plating thickness tester Height Gauge Force analyzer Tool microscope Hardness testing machine	1 2 3 1 6

ORT reliability





The ORT test project : Strength test

Sulfide test

Constant temperature and humidity test

Optical test

solder test

resistance to soldering heat test

Hardness test

salt spray test

contact resistance test

Withstand voltage test Insulation resistance test High and low temperature test

Life test product safety testing

PERFECT SERVICE SYSTEM



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GREEN KKG----Green Purchasing

	Project	Import Situation
1	RoHS	Import
2	HF halogen- free	Import
3	REACH	Import
	4 RoHS 2.0	According
4		to
		customers
		demands



Supplier

Material Inspection

If qualified supplier

If Environment Friendly
Material

If Environmental Label

IQC Detection Test

Storage

Requisition & Production

If Environmental Label

Trial-production Packing

If Environmental Label

Warehouse Storage

Shipment

Non-conforming
Products' Processing

00000000

Non-conforming

Products' Processing

Guarantee

Inspection Report

SGS Report

Environmental Label

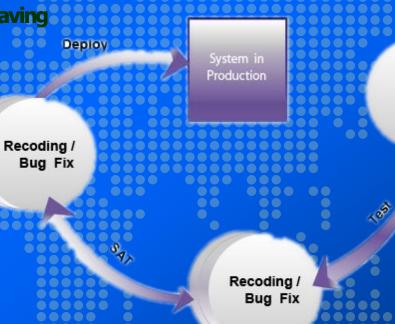
The Electronic Component Manufactuers Develop With Green Earth---KKG

Green Design

Three key factors of green design: Reutilization, Recycling and resource saving

Some important ways:

- 1 Design of green materials
- 2 Design of green structure
- 3 Design of green consumption
- 4 Design of green packaging
- 5 Design of green manufacturing process



Code Development

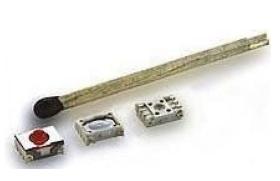
"Traditional Testing Approach

System Under

Test













THE WORLD OF KKG



Lamp switches and Mul-switches' Introduction

Lamp switches'Features:

- 1. High sensitive, sounds silvery, feeling and rhythm are perfect;
- 2. With a fixed-stand and covers in many kinds of structure and color
- 3.It can be mounted with single color led and double color or 3 colors led according to preference;
- 4.It can be assembled in different ways: DIP⪪ with Pushbutton and tact for operating.

Applications:

TV, DVD, instruments and meter equipment, audio apparatus





Mul-switches' Features:

- 1 Divided into the rotary switch, five to switch, lever switch series.
- 2 The product can provide multiple operating direction, form kinds of switches
- 3 SMD install

Application:

Industrial mouse, digital products, game handle: PS3, XBOX360, WII F-J08K-5B10K-1

Pushbutton switches and Toggle switches' Introduction

Features:

- 1.There are 2 operating modes: Self-Lock and Non-Lock
- 2. The switch sounds silvery, feeling and rhythm are perfect
- 3. There are many dimensions available
- 4. The state of terminals and height of pushbutton can be designed according to customer's requirements

Applications:

computer ancillary equipment, TV audionequipment, all kinds of small autoimmunization equipment and instruments etc



Features:

- 1) Available for PUSH, SAWY, SPDT, DPDT design etc;
- 2) High sensitive, sounds silvery, feeling and rhythm are perfect;
- 3) We have got relevant safely certificates;
- 4)It suits some kinds of voltage, the way of terminal soldering can be choosing

Applications:

instrument and meter equipment, household appliances equipment, office equipment, automobile electronic products etc

Keyboard switches and rocker Keyboard switches' Introduction 1. Desktop



Keyboard switches' Features

- 1. Desktop Profile, 0.60 Inch(15.2mm) From PCB (No Keycap)
- 2. Choice Of Feel: Linear, Soft Tactile, Click Tactile
- 3. PCB Or Frame Mount
- 4. Long Life 50 Million Operations
- 5.4mm Travel
- 6. LED, Diode Or Jumper Option
- 7.12 V Maximum AC/DC
- 8. Current Rating: 10mA
- 9. Insulation Resistance: ≤ 100m ∞ At 100V DC

Applications:

Cash Registers, Computer Keyboards, Industrial Equipment
And Man-Machine Interface

Rocker's Feature:

Small behind panel dimensions for snap-in mounting in tight spaces.

Terminals are epoxy sealed to lock out flux, solvents, and other contaminants.

Momentary and alternate action circuits available in the same space-saving body size.

Snap-acting contact mechanism provides sensitive actuation with audible feedback; Quick-make, quick-break characteristic limits arcing and prolongs electrical life.

Applications:

air cleaning systems, monitors, photocopiers, printers, fax machines and refrigerators etc.



Tact switches and detector switches' introduction



Tact switches' Features:

- 1. Good feeling and long life;
- 2. Micro-Miniature, light operating;
- 3. Snap-in type, can be mounted directly on P. C. Board and good for electrostatic discharge;
- 4. It has a lot of choices for button shape and height and it is easily to install and kind of product;
- 5. The tactile switches/tact switch come with multiple cap and color options, excellent tactile feedback and high reliability dome technology.

Applications: computer, telephone, PDA, DVD digital camera, audio equipments, instrument and meter equipment, autoimmunization equipments control etc.

Detector switches' Features:

Small size and light weight

It has life and more operating forces can be applied such as lightly force

They can operate all types of computer mouse, Mobile phones, cameras, VCR, stereo and car radio equipment and PDAs.

Micro switches, Encoder, slide switches and Dail switches' introduction



Micro-switches'Features

- 1. Small size and light weight
- 2. It has life and more operating forces can be applied such as lightly force
- 3. Good feeling and more lever applied
- 4. It can drive the contact rapidly and directly in certain travel with certain action force in order to switch over the circuit



- A sensitive switch with tiny contact clearance, instant action and tinny travel
- Can drive the contact rapidly and directly in certain travel with certain action force in order to switch over the circuit

Applications: Widely used for electronic product, instrument and meter, household Appliance as computer mouse, automobile electronic product, communication facility, Military product, test instrument, gas water heater, gas burner and small household Facility.

Slide Switches' Features:

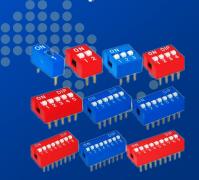
- 1. All kinds of variable levels design;
- 2. Assembling ways: DIP and SMT;
- 3. The switch operating force equality, good feeling:
- 4. The terminals state can be design according to requirements

Dial Switches' Feature

1.rotary switch with decimal and sixteen hexadecimal;

2.Good feeling

Application: CNC equipment, radio communications, instrumentation (time relay, temperature controller, control and automation for the counter), preset circuit

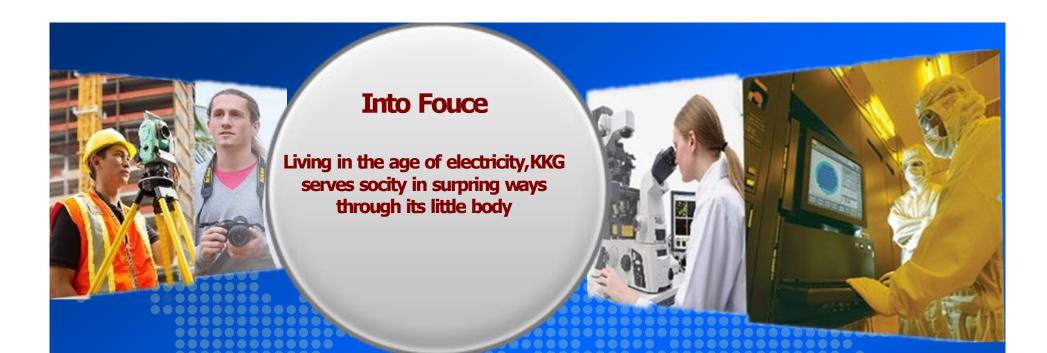


JACK'S Introduction



Connector's Introduction





WHERE we are?

 Almost all of the electronic product, instrument and meter, household Appliance as computer mouse, automobile electronic product, communication facility, Military product, test instrument, gas water heater, gas burner, small household Facility, Cash Registers, Computer Keyboards, Industrial Equipment And Man-Machine Interface









INFORMATION ELECTRINICS



AUTOMOTIVE ELECTRONICAS CAR ELECTRONICS

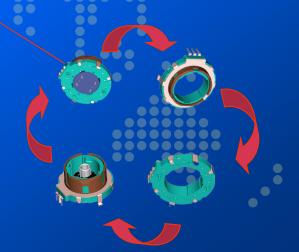


Recommended application auto switch: car audio products (volume, tone, regulator adjustment), audio and video equipment (VCRs, CD player, MD player and other editing system), remote control of car navigation system

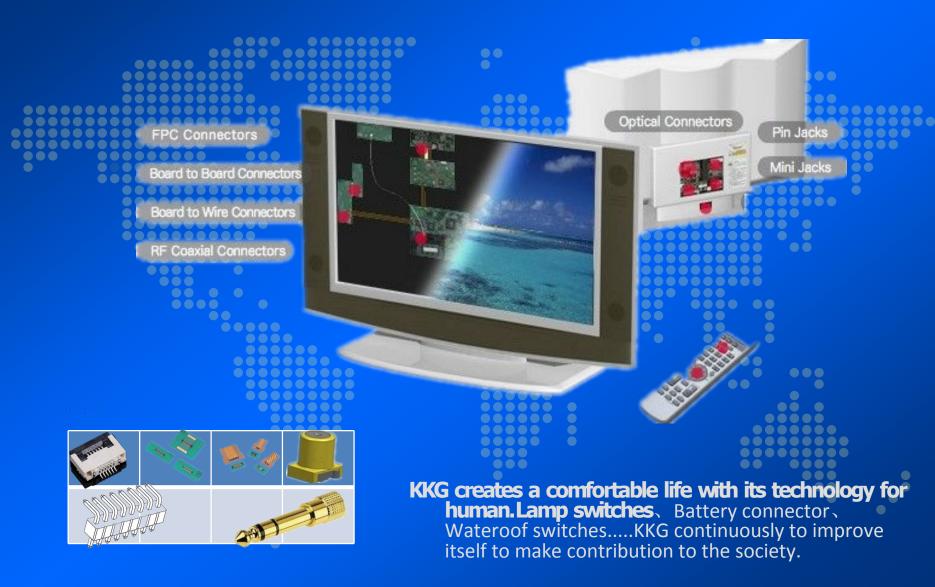




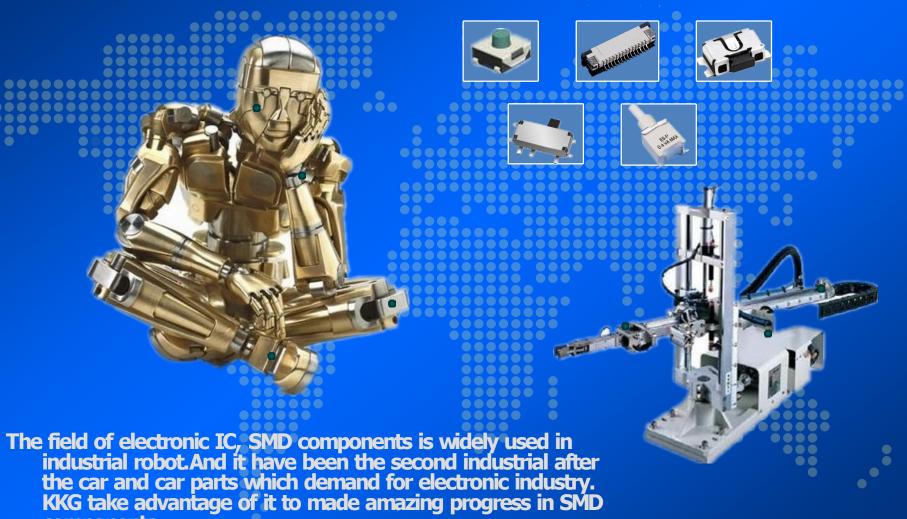




HOUSEHOLD ELECTRICAL



INDUSTRIAL MACHINERY

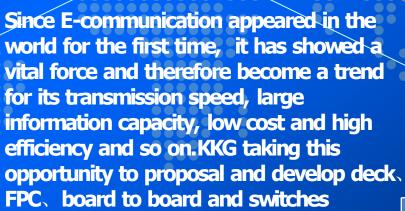


The Electronic Component Manufactuers Develop With Green Earth---KKG

components.

E-COMMUNICATION



















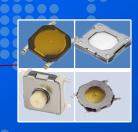




ENTERTAINMENT





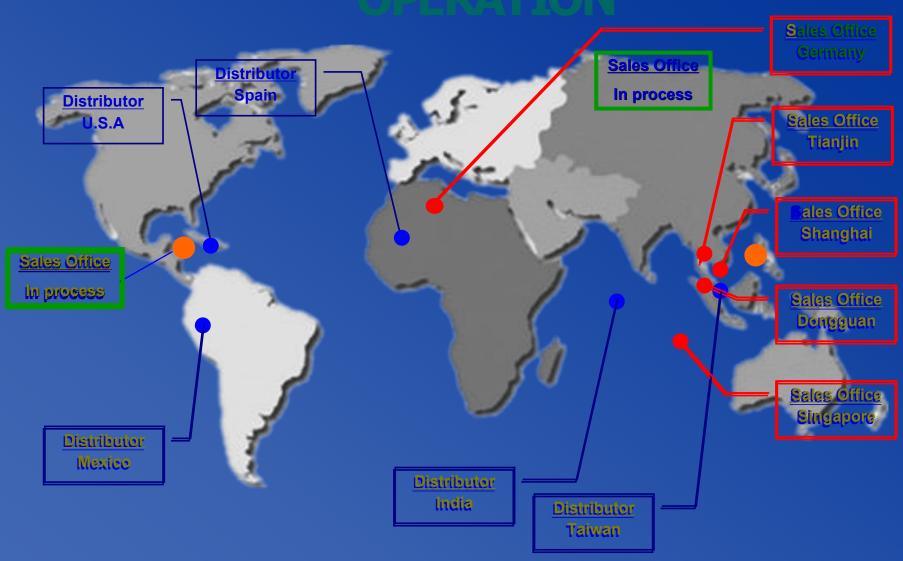






KKG R&D FPC and HDMI which own High speed transfer function to meet the demand of the entertainment which high pixel multifunctional continuous improve.

A FULL-SCALE INTERNATIONAL OPERATION



THE END

We are well-prepared!!
----BEWIN ELECTRONICS

KKG's Propaganda Department