



Company Profile

Introduction

We are pleased to introduce ourselves as an ISO 9001-2015, ISO14001:2015 and IATF 16949:2016 (for Blade Fuses) certified leading manufacturer of:

- Professional Electromechanical Components like Glass / Ceramic Cartridge Fuses, Sub-miniature Fuses (TE5 Fuses), Blade Fuses, PCB Connectors and R F Shielding Products
- We are the only Indian manufacturer approved by Underwriters Laboratory USA (UL) for Fast Acting, Time Delay, Glass / Ceramic Fuses, Sub-miniature Fuses (TE5 Fuses), and Blade Fuses. In addition
- Our Products are approved by LCSO, CACT, ARAI, CDOT, BEL & ITI, etc..
- We have fully automated state-of-the-art manufacturing plant located in Bangalore equipped with the most modern German machines capable of producing large volumes per day
- We have been enjoying the Leadership status in the Electronic Cartridge Fuses Industry over the last decade and are the preferred supplier to most of the OEMs in Automotive, Industrial, Telecom and EMS market segments
- Our efficient R&D team have been developing and delivering Reliable and cost effective Quality products for domestic and export markets

Our Mission

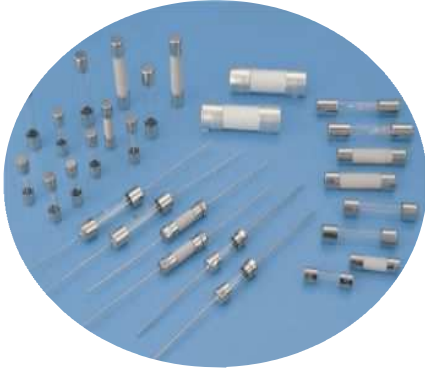
- Our mission is to supply Quality products at competitive prices and to ensure complete customer satisfaction through timely deliveries and prompt response to customer requests. We believe and Quality and Reliability are important factors, more so in the field of Circuit Protection Devices like Fuses. The Fuses which we manufacture fully meet all the Quality and Safety requirements.



Our Products

We have a very comprehensive products mix, some of which are detailed below:

1. Glass Fuses / Ceramic Fuses



Fuse Clips / Fuse Holders



2. Blade Fuses: Automotive (Passenger & Commercial Vehicles), Electronics UPS, Inverter Applications:

MIDI Blade Fuses



MINI Blade Fuses



MIDI Bolt down Fuses



Fuse Holders



Sub Miniature Fuses

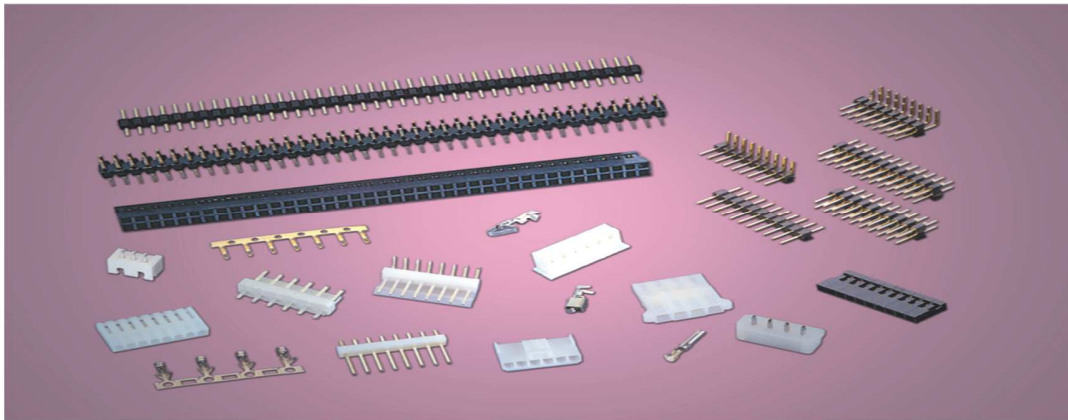


3. Monitoring Connector System:



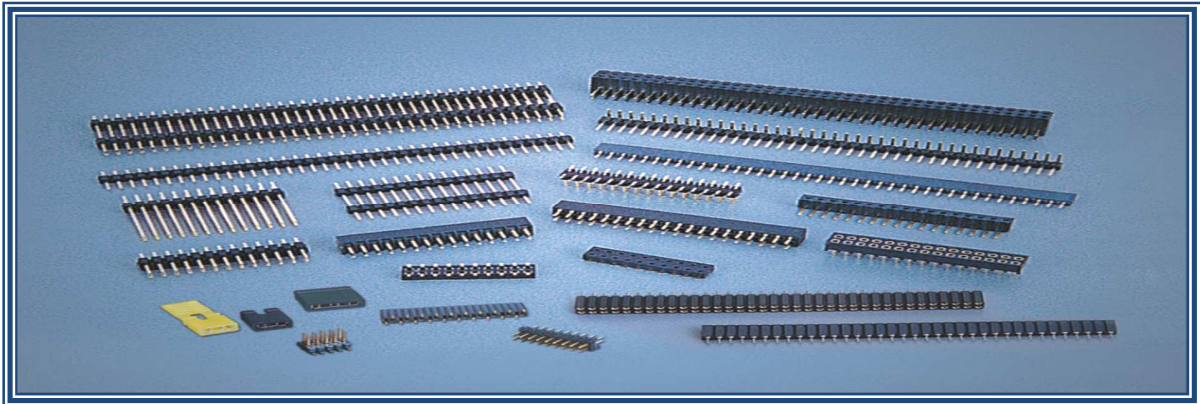
- Test Points
- Connector Jack, Male Pin, Shorting Link
- 1.5mm Insulated Panel Socket
- LED Holder
- Connector Jack Test Pin
- One Touch Collar Bushing

4. Two Part Connector System (Board to Wire Connectors):



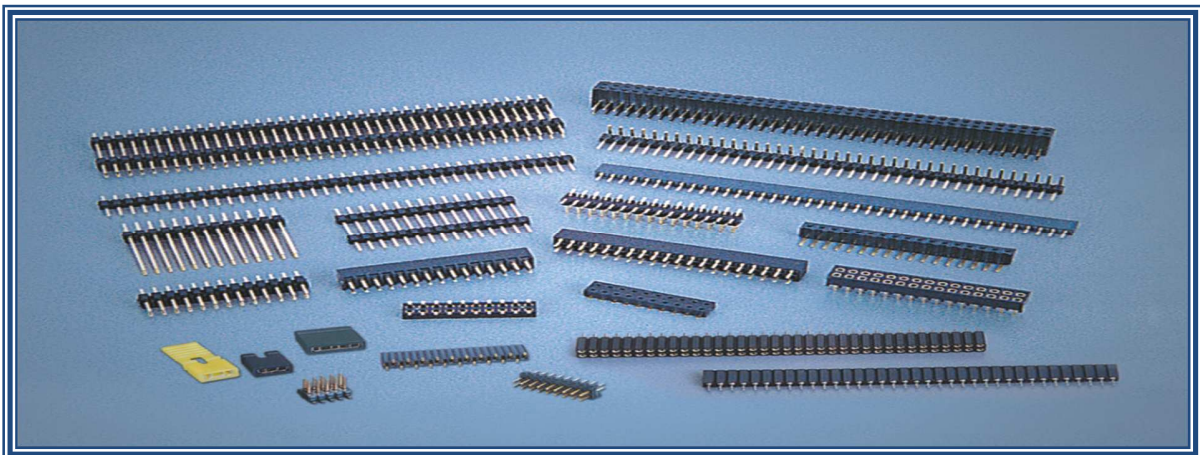
- Pitch Disconnectable Connectors
- Mini Latch Connectors, Double Row
- Relimate Connectors (Friction Lock Headers)
- Mini Latch Connectors (Polarized)
- Mini Fit Connectors, Disk Drive Power Connectors
- Shrouded Connectors (Friction Lock Headers)
- Micro Fit Connectors Friction Lock

5. Mother Board to Daughter Board Connectors:



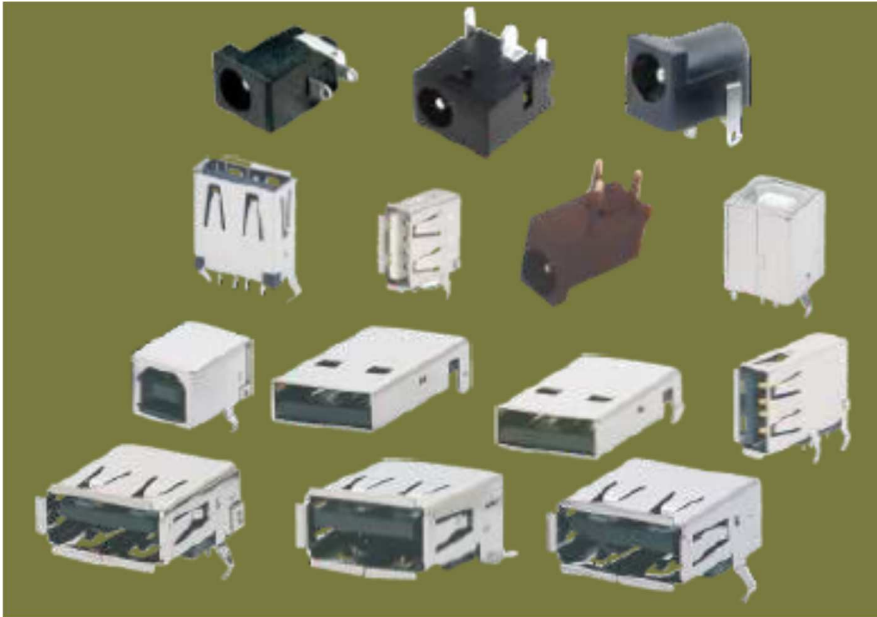
- Pin Headers, Box Headers, Mini Jumpers
- Female Headers (Machined Spring Contacts)
- Female Headers (Formed Contacts)
- Base Dual beam Folded Contact
- Double Row Dual beam Folded Contact
- Double Row Surface Mount 5.8mm Base
- 0.8mm Pitch Header/Female Header Docking Type

6. Fine Pitch Connectors (FPC), SIM Card Holders, Modular Jacks & Plugs:



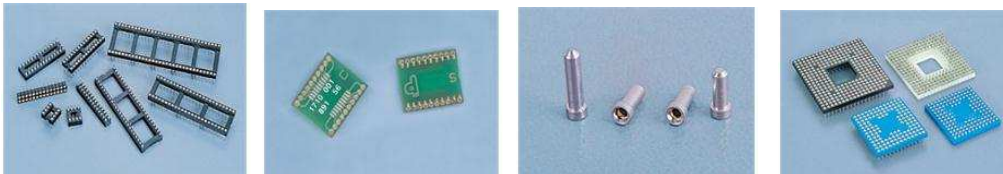
- 1.0mm Pitch FPC, SMT
- Horizontal Type
- 0.5mm Pitch, FPC, SMT
- Horizontal Type
- SIM Card Holders
- SIM Card Holders with Pegs
- SIM Card Holder Push Button Type
- Modular Jacks & Plugs

7. USB Connectors & DC Power Jacks:



- USB Female Connectors
- MINI & MICRO USB Female
- A-Type Double & Triple Decker
- B-Type Right Angle, Vertical
- A-Type Male Plug Connectors
- DC Power Jacks

8. Machined Contact Connectors:



- Single & Dual In-Line IC Sockets
- IC Sockets with Decoupling Capacitor
- IC Sockets – Wire Wrap 2,3 Level
- Dual In-Line Adaptors – Std. Solder Tail
- Shrink Dip Sockets & Strips – Solder Tail
- Dual In-Line Sockets – Ultra Flat
- Conversion Sockets
- SOJ to SOWIC Adaptor
- Dual In-Line – Metal Carrier
- Mini-Spring Sockets
- PGA – Std. Footprint
- PGA – Custom Grid Design
- PLCC – Solder Tail, Surface Mount
- PLCC – PCB Hole Pattern

10. Customized Cable Assemblies:

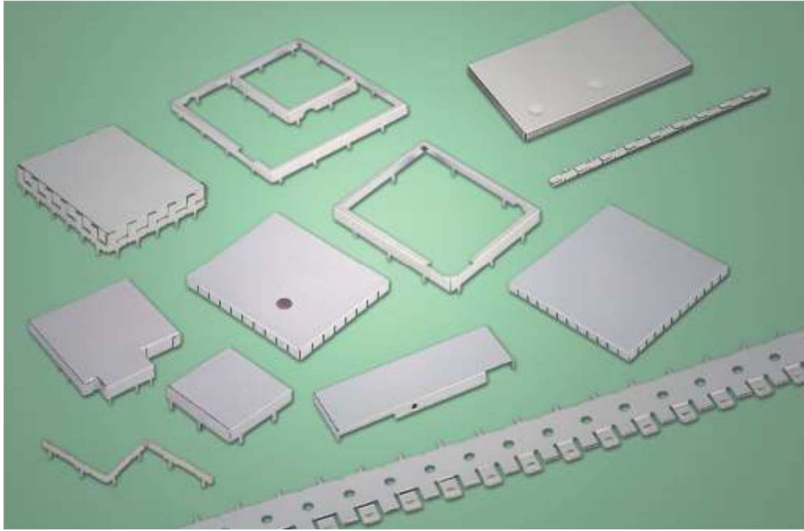


11. EMI / RFI Shielding:

R.F. Shielding Products

Protectron's removable cover design makes high quality circuit board shielding a perfect fit for every application, protecting sensitive components from Noise while providing access for adjustment and Repairs. Protectron offers a variety of "Standard Fence" options that can be Formed and combined with a cover to create a fully custom design.

Style CBS Circuit Board Component Shielding



- P10-CBS Series
- P20-SMT CBS Series
- P20-CBS Series
- P10 & P20 Series – Mounting Hole Pattern
- Custom Designed CBS

12.EV Connectors and Cable Assembly



Public & Private charging connector

- 2 No's of DC Pins with 60A continues current carrying for 85 Mins only in Public Charger.
- 3 No's of AC Pins with 15A continues current carrying for 5 hours.
- 4 No's of Signal contacts (CPP/CAN+ & CAN-)



EV Charging Connector (Type-B)

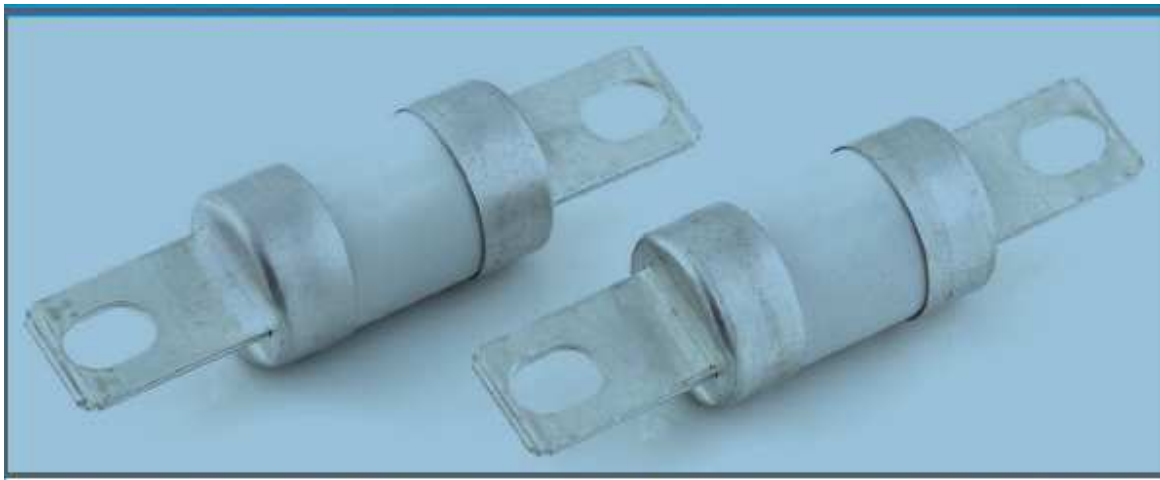
- Under development
- DESIGN COMPLIES WITH : IEC-6296-1-2





EV Female Connector (Battery Swapping system)

- 2 No's of DC Pins with 80A continues current carrying for 85 Mins.
- 5 No's of Spring-loaded Signal contacts (Earth, CP,PP,CAN+ & CAN-)
- Bi-Polar connector



EV FUSE

EV Charging Connector

- Under Design & Development
- 2 No's of DC Pins with 125A continues current carrying for 60 Mins
- 5 No's of AC Pins with 80A continues current carrying for 2 hours.



12. Market Segments and Customers served:

We have a vast customer base spread across various Market Segments like Automotive, Industrial, Telecom, Defense, Electrical, Test & Measurements, Medical, EMS, Consumer, Educational and Exports of over 500 quality conscious companies globally.

- **Automotive** – AQ India, Bosch, Ashok Leyland, Bajaj, Hero Motors, Mahindra Reva, Mahindra Group, TVS Motors, Volvo, TAFE, Motherson, Minda Group, Dhoot Transmission, Napino Auto, Swiss Auto, ASTI India, Interface Microsystems
- **Industrial** – Schneider, ABB, Emerson, General Electric (GE), Larsen & Toubro, Siemens India, Microtek, Sukam, BHEL, Secure Meters,
- **Telecom**: CDOT, ITI Ltd, Reliance, Fibcom, Puncom, Tejas Networks, United Telecom Ltd, Mro-tek Ltd
- **Defense** – Bharat Electronics, ECIL, DRDO, Dept. of Space
- **Electrical** – BHEL, L&T, ABB, Schneider Electric, Molex India, FCI India
- **Test & Measurements**: Honeywell, Rishab Instruments, Mecos Instruments
- **Medical**: GE Healthcare, BPL, Skanray, Appasamy Medicals
- **EMS**: Flextronics India, Jabil India, Sanmina India, Centum Electronics, SFO, Kaynes, Avalon Tech, Rangsons
- **Consumer**: Hitachi, Godrej, Whirlpool, Essae Group, Philips, Videocon,
- **Educational**: IITs, Engineering Colleges,
- **Exports**: USA, Canada, Columbia, Brazil, Poland, China, Taiwan, Singapore, Indonesia
- **EV Industry** : Ather Energy, Ultraviolet, TVS, Affluence, Sun Mobility, Matter Motors and Bajaj.

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Making the Perfect Connection

Fuses, Interconnectors, EMI/RF Shielding, Cable Assembly.

