



**Short Form Catalog**

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[www.geppowerproducts.com](http://www.geppowerproducts.com)



**GEP POWER PRODUCTS**

Product Solutions for TRANSPORTATION Markets



Product Solutions for TRANSPORTATION Markets

**GEP Power Products**, headquartered in Brookfield, Wisconsin, was founded to leverage the resources, experience and relationships established by our sister divisions to provide innovative, engineered power distribution product solutions to the transportation markets. We recognize and understand the trends and challenges faced by the transportation OEM and how they can impact the electrical design process.

At GEP Power Products, our sales, marketing and engineering personnel each have over **25 years experience** designing and developing cost effective, innovative power distribution products for the transportation OEM.

Our 'customer-centric' culture promotes a **rapid product development** philosophy that will take custom product designs to production in half the 'usual' time. We will provide proactive project control and excellent communications throughout the development process to assure program milestones are met.

**Competitive pricing** is tantamount to our viability and long term success in the transportation market. We have multiple manufacturing options which include a wholly owned facility located in Qingdao China. These options leave us well positioned to provide our customers with quality products and competitive pricing.

In addition, we have a captive **in-house logistics and warehousing** unit, located in Logansport Indiana, where weekly containers are received and inspected for quality assurance from our manufacturing locations. We typically maintain at least a 30 to 60 day supply of product for our customers. This overall capability allows us to control our landed costs and your source of supply.

## Your Design Challenges

Higher power requirements in today's vehicles have created unique engineering challenges for integration into even more complex electrical systems.

While innovation and cost reductions have occurred in the solid-state, networked systems arena, commercially available power distribution has seen little attention given to low cost alternatives which offer flexibility and consideration given to your unique design and application needs.

Power distribution is often considered "low tech" in nature and therefore not a high priority in the overall electrical system design process. It can be underestimated and left for the last stages of the engineering process and not dealt with until it's too late!

The net consequence is trying to adapt commercially available power distribution products which don't quite meet your application needs:

- *Splicing a solution into the electrical harness after the fact.*
- *Inhouse modifications to make it work or fit*
- *Utilizing a more expensive 'overkill' product because it was the only thing available or 'close' to your desired need.*
- *Or, the worst case scenario is to design and tool a viable solution inhouse. This is both time consuming and very expensive, especially if time is not on your side.*

The solution to this problem is finding a supply partner that can react quickly to application specific needs with cost effective solutions...

### **GEP Power Products!**

#### **Current design programs and product lines:**

- *In-line and bolt-in fuseholders*
- *Fuse/relay panels for main or auxiliary applications*
- *Sealed power distribution modules*
- *Customized 'integrated' power distribution systems*
- *Junction blocks*
- *Ground and power feed stud blocks*
- *Firewall power feedthroughs*
- *Other 'custom' power distribution solutions*

## GEP Pass Thru Studs

### Commercial Grade 3/8"

Series PTR-38L-05  
(Red Body)  
Series PTB-38L-05  
(Black Body)  
Rated at 300A



### Military Grade 3/8"

Series PTR-38A-02  
(Red Body)  
Series PTB-38A-02  
(Black Body)  
Rated at 400A



### Military Grade 1/2"

Series PTR-12B-02  
(Red Body)  
Series PTB-12B-02  
(Black Body)  
Rated at 500A



### Military Grade Max Duty 1/2"

Series PTR-12C-01  
(Red Body)  
Series PTB-12C-01  
(Black Body)  
Rated at 1000A



## GEP Feed Thru and Surface Mount Stud Blocks SERIES SBX

### Applications:

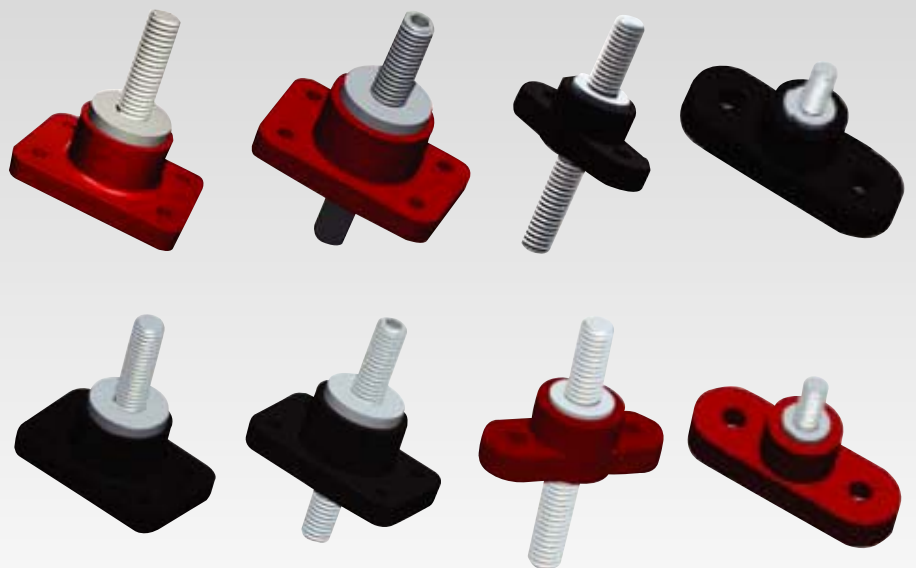
Heavy duty power connection options for DC circuits in vehicle electrical systems. Feed thru or surface mount options available.

### Mounting Torque Rating: 48in-lbs

### Features:

Modular design for manufacturing flexibility

Threaded-Stud Size	Feed Thru Amperage
#10	50 amps
#1/4 & M6	100 amps
#5/16	200 amps
#3/8	250 amps
#1/2	400 amps



Over 60 'Configurations' available

# GEP Heavy Duty, Sealed, "Stackable" Power Distribution Modules

## Designed for Higher Power Applications



**PDM - SXXXX**  
 Expanded Capacity  
 72 terminal positions

**PDM - RXXXX SERIES**



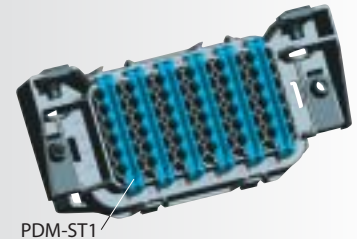
72 and 48 position  
 PDM's "stacked"

**Options include:**

- Custom Labels
- TPA's
- Diode Keys
- Tethered Covers
- Cable Seals

- RoHS compliant

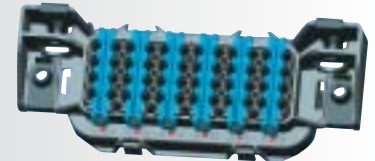
PDM - SXAXX (72) 280 Series Terminal Positions  
 Accepts Delphi Packard Metri-Pack® 280 Series Terminals



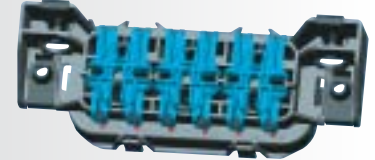
PDM-ST1

Series PDM-RXAXX (48) 280 Series Terminal Positions  
 Accepts Delphi Packard Metri-Pack® 280 Series Terminals

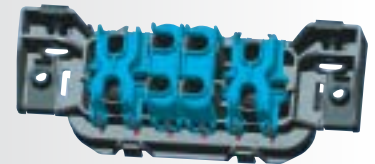
Optional TPA's shown below



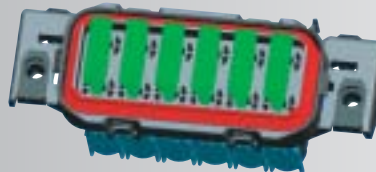
Series PDM-RXBXX (3) Mini ISO Relays  
 Accepts Delphi Packard 630 Metri-Pack® Terminals



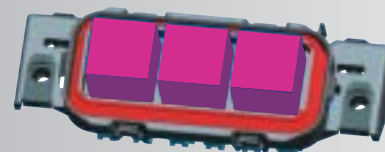
Series PDM-RXCXX (2) Maxi ISO Relays & (2) Maxi Fuses  
 Accepts Delphi Packard 630 Metri-Pack® and 9.5 Ducon® Terminals (Relays) &  
 Lear MAK8 Terminals (Fuses)



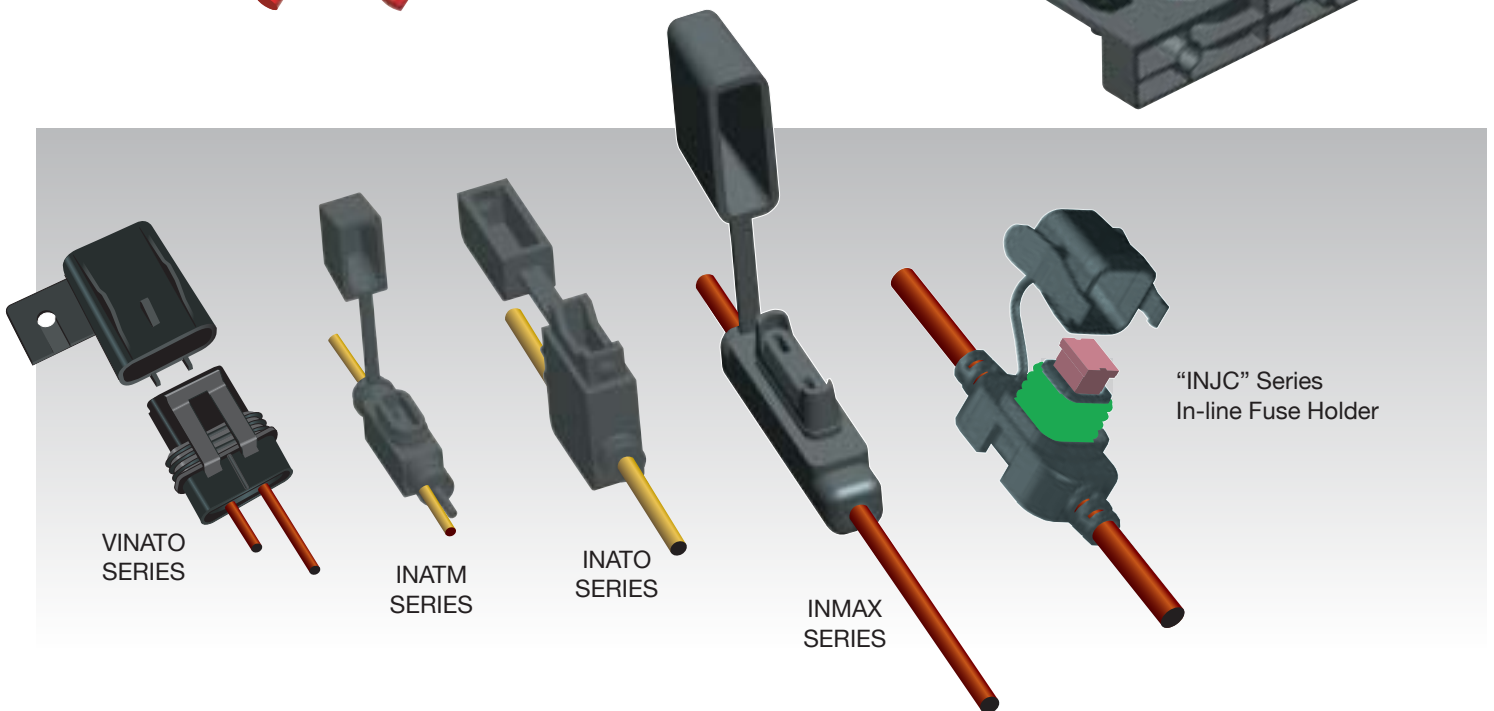
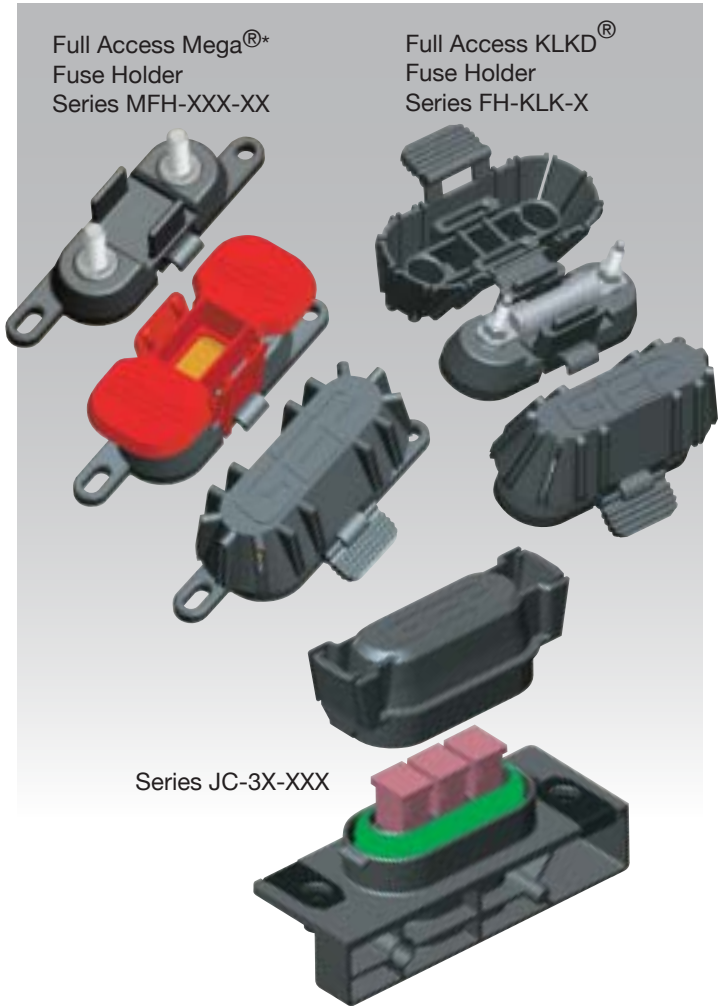
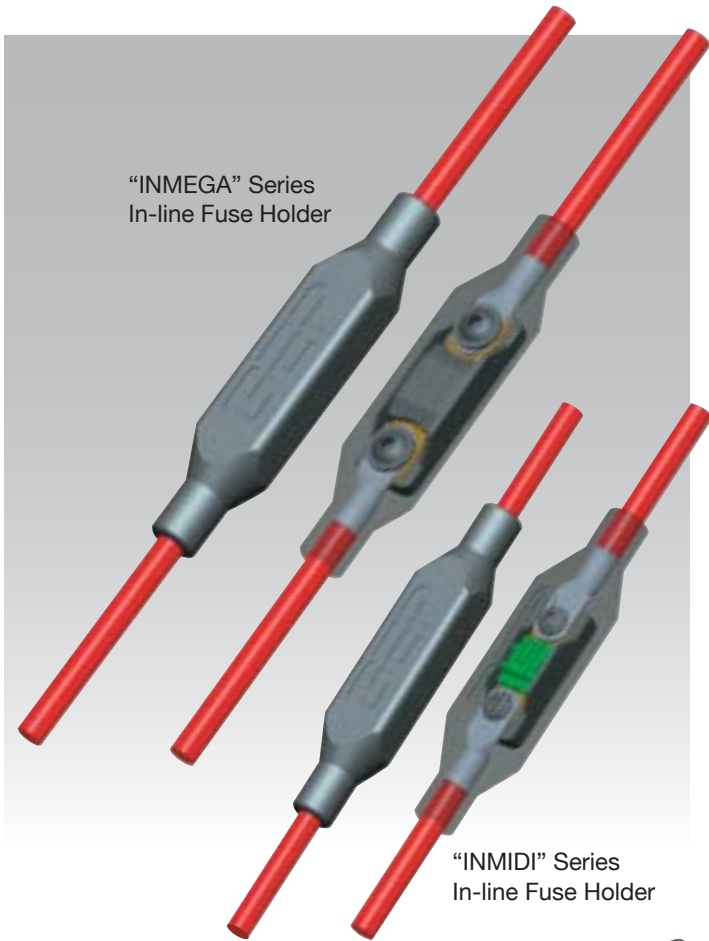
Series PDM-RXDXX (6) Maxi Fuses  
 Accepts Lear MAK8 Terminals



Series PDM-RXEXX (3) Maxi ISO Relays  
 Accepts Delphi Packard 630 Metri-Pack® and 9.5 Ducon® Terminals



# GEP Fuse Holders



## GEP Insulator Boots Series GP1360-XX

**Application:**

Insulator boots are used to prevent an accidental short circuit event at an ungrounded terminal or stud under a continuous load.

**Specifications:**

UL rated VO PVC plastic (105° C) is typical. Consult factory for other material options.

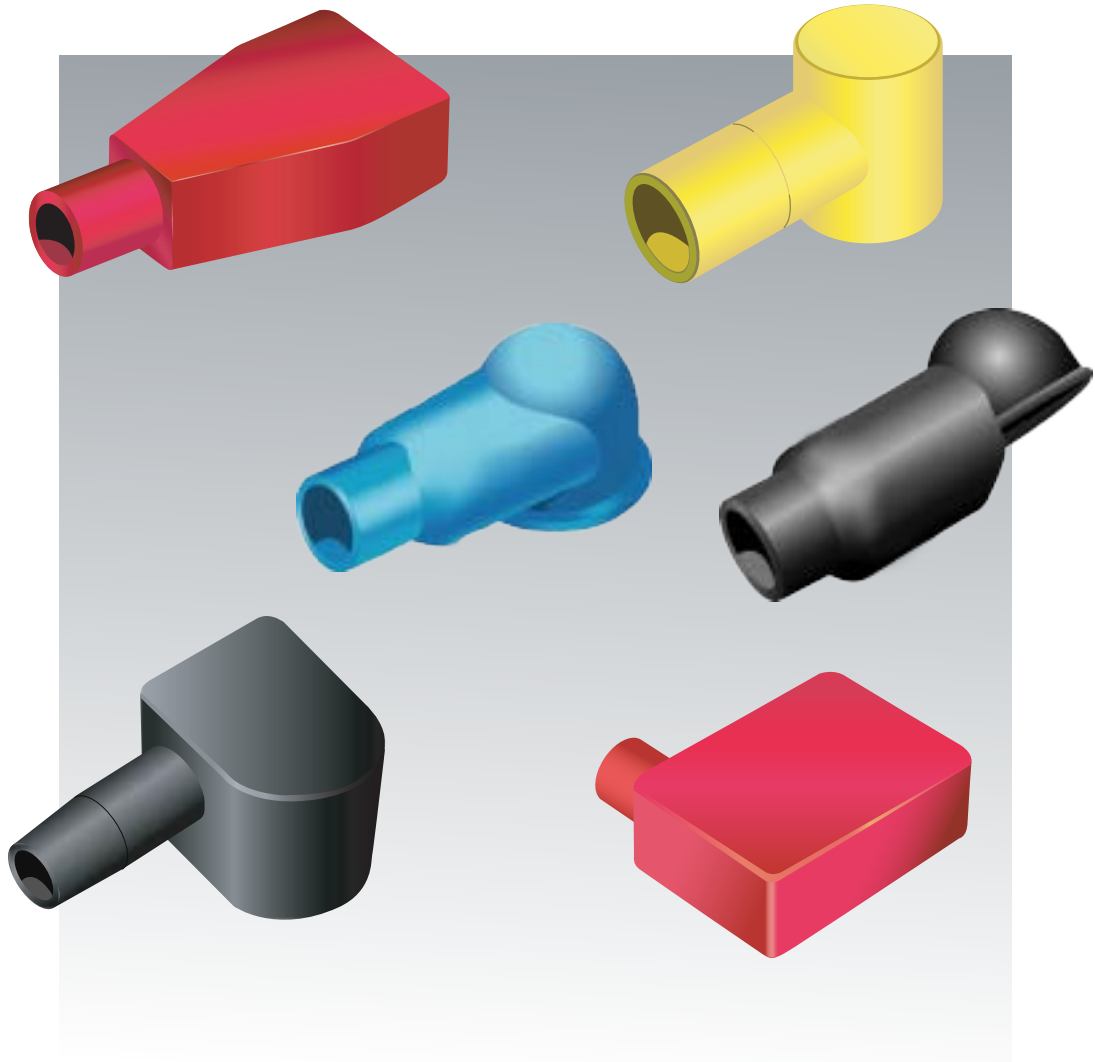
**Boot Options:**

- Ring and Lug Terminal Boots
- Battery Terminal Insulator Boots
- L-Post Terminal Boots
- All available with multiple wire diameter options

**Custom Insulator Boot Designs:**

GEP PP offers competitive pricing and “quick turnaround” development cycles for *custom designs*. Consult factory for details.

- RoHS compliant

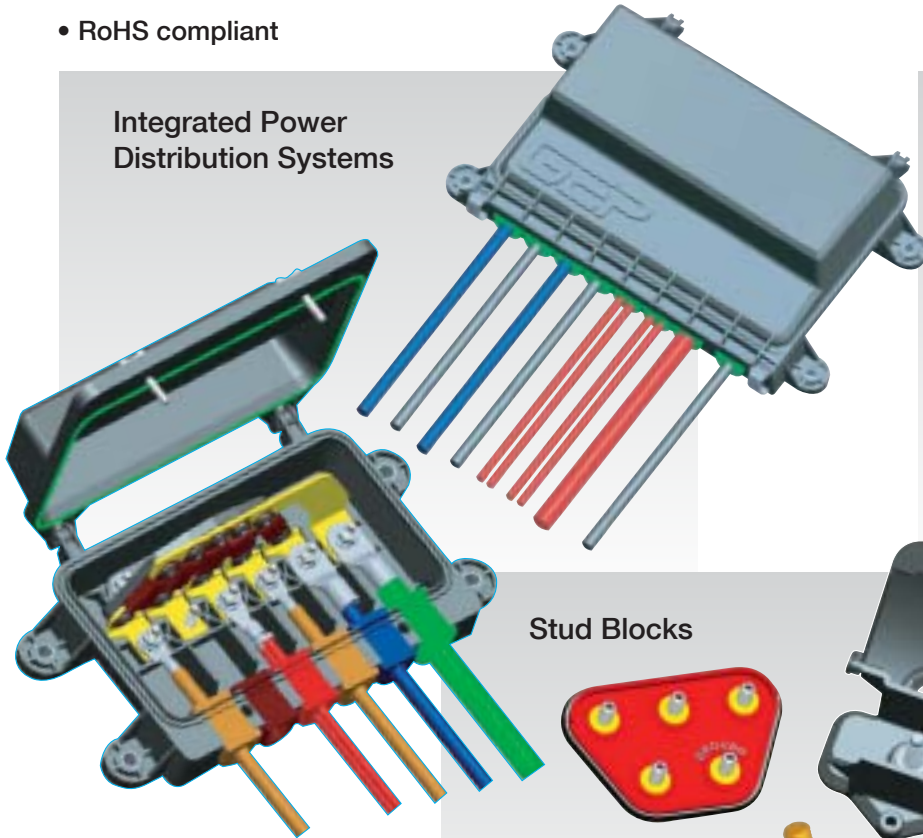


## GEP Custom Products

When a “commercially” viable product is not available...GEP can design and develop a cost effective and innovative solution that will meet your program objectives.

- RoHS compliant

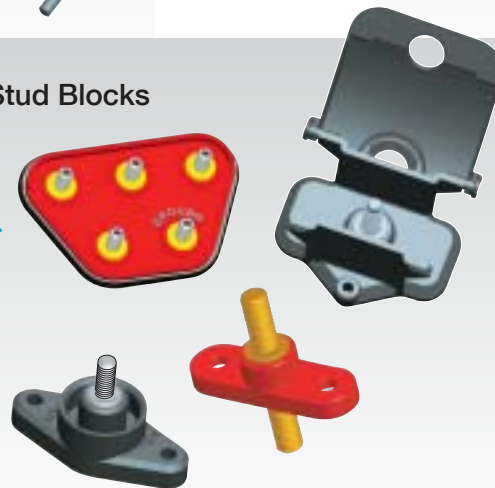
Integrated Power Distribution Systems



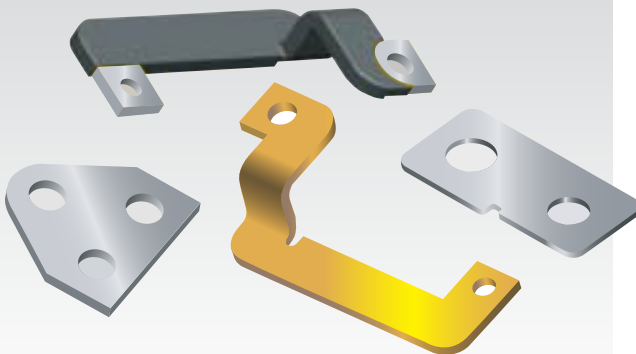
PDM's



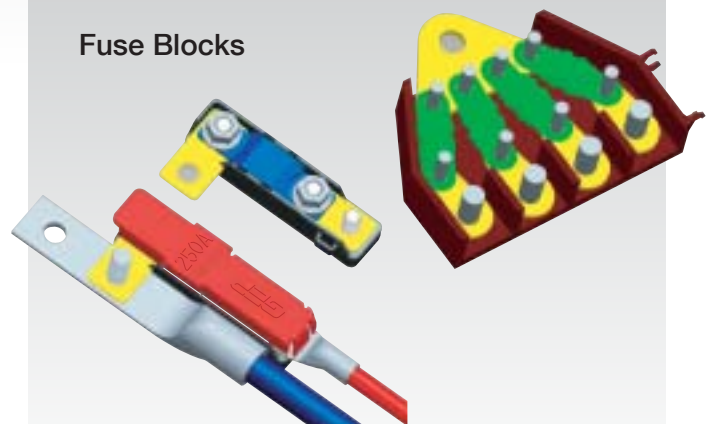
Stud Blocks



Bus Bars



Fuse Blocks





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## **Product Solutions for TRANSPORTATION Markets**

**GEP Power Products**, providing innovative, engineered power distribution products to the Transportation OEM.

With increasing power demand in today's electrical systems, power distribution is often underestimated or left for the last stages of the engineering process. The net consequence is trying to "adapt" commercially available products which do not meet your true application requirements.

GEP Power Products was established as a supply partner that understands your design challenges and can react quickly to your power distribution needs with cost effective solutions.

### **The GEP Power Products advantage:**

- Rapid product development capability to meet "expedited" program schedules
- Design and sales personnel with over 25 years experience developing power distribution products for the transportation OEM
- Multiple manufacturing options which allows us to meet your near and long term 'costout' objectives
- Excellent quality and program management systems

GEP Power Products is headquartered in Brookfield, WI. Our sales, marketing and design center has been conveniently located 15 minutes west of O'Hare Airport in Rolling Meadows, IL

#### **Brookfield, Wisconsin USA**



*Corporate headquarters for GEP and PCA. This ISO9001 certified site is 66,000 sq. ft. and includes administration, sales, design, quality and manufacturing.*

#### **Qingdao, China**



*This wholly owned 70,000 sq. ft. facility is ISO9001 registered and includes administration, design, quality and manufacturing personnel supporting PCA, GEP and GEP Power Products.*

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## **GEP Power Products**

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