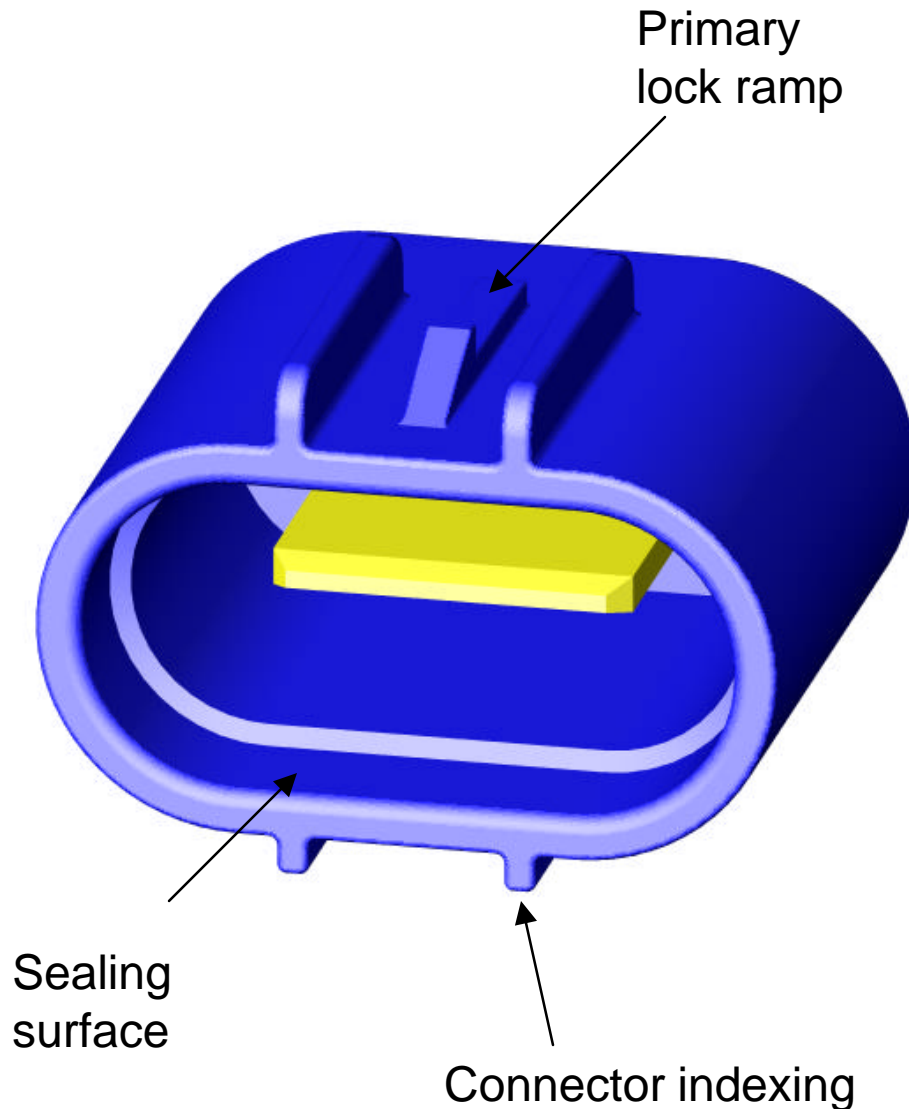
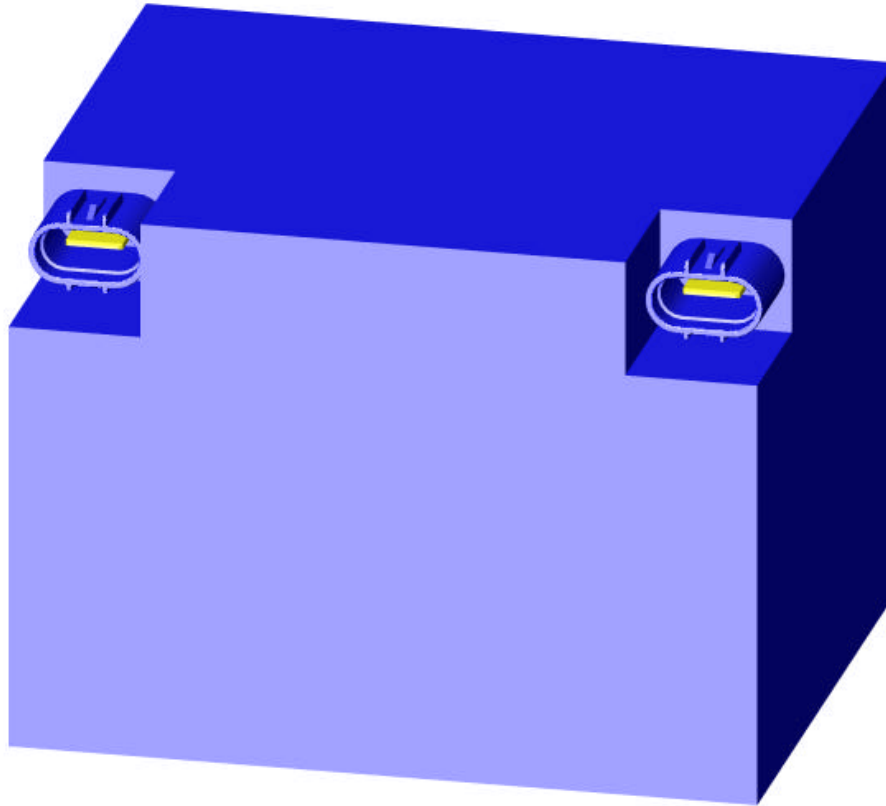


42 V Battery Connection System Proposal

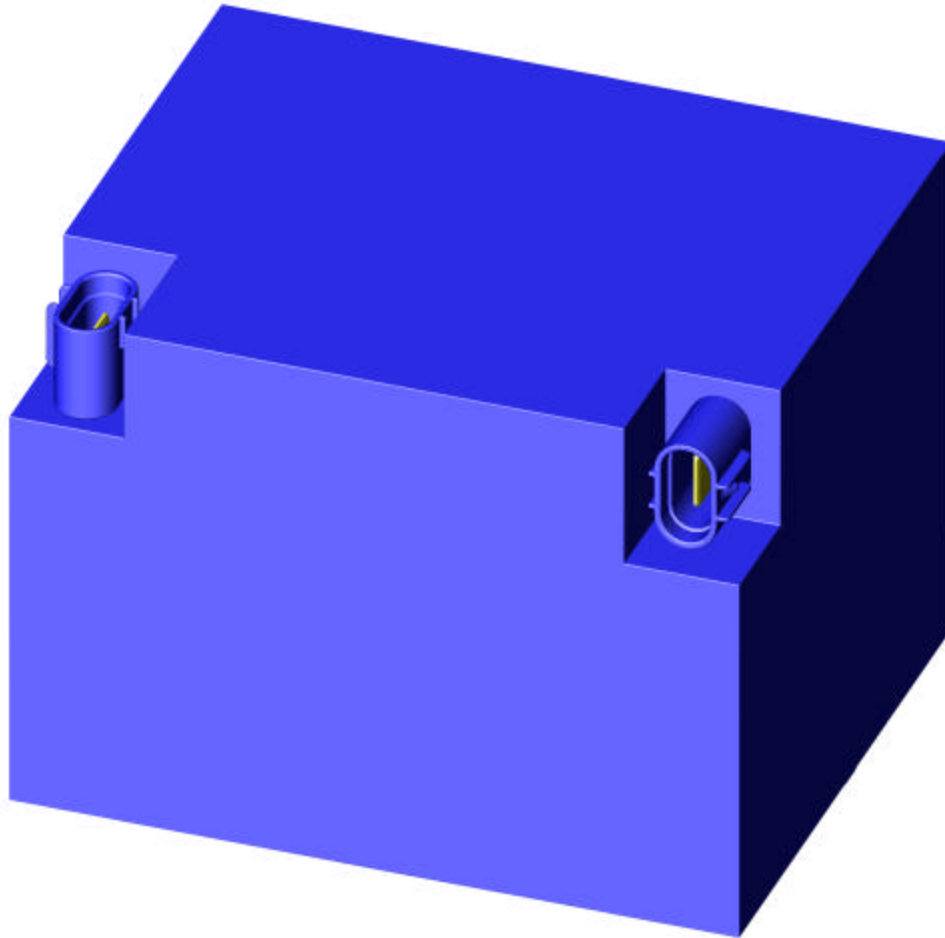
Revised 8-21-00



- ◆ The system incorporates a 1.63 mm by 16.0 mm plated, high conductivity blade
- ◆ The blade is recessed in the shroud to protect against accidental contact
- ◆ The system is insert molded
 - The back end of the terminal, and how it interfaces with the battery, will be defined with the battery supplier
- ◆ The mating connector uses a pump handle primary lock arm for serviceability
 - Mating force < 75 N
 - A connector position assurance device (CPA) can be added to the harness connector for added system reliability
- ◆ The system is designed to be indexed and color coded to prevent cross plugging

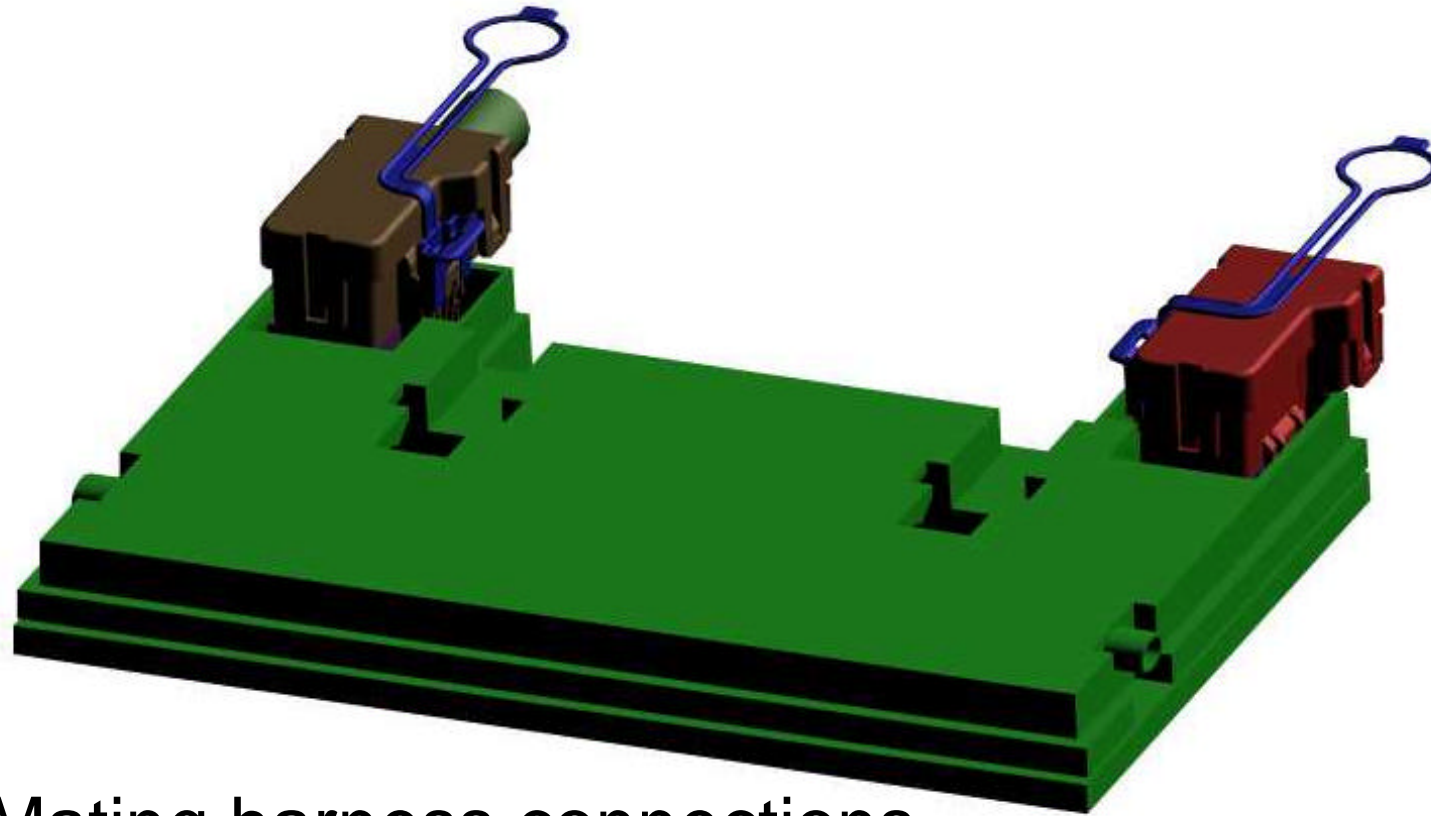


- ◆ **Side mounted connection (horizontal)**
 - Low height profile for side mounted configuration
 - Mating terminal design provides 90° wire dress
- ◆ Recessed terminals prevent shorts between terminals and from positive to ground
- ◆ Narrow shroud opening prevents attachment of standard jumper cables
- ◆ The system is designed to be sealed (sealing code 2)
 - Can also be splash proof with a shroud-over-shroud design
- ◆ Targeted continuous current is 150 Amps with 55°C temp. rise



◆ **Alternative mounting configurations**

- The connection can be top or side mounted
- Mating terminal design provides 90° wire dress



Mating harness connections

- Top mount interface shown

- Side mount also possible

- Uniquely indexed harness connectors

- Tethered CPAs (optional)

Overall package dimensions

