

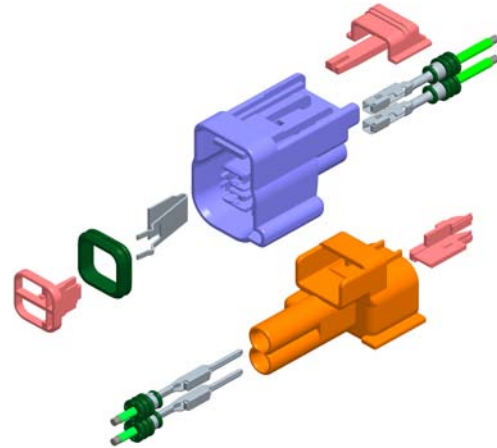


SYSTEMS DESIGN CAPABILITY:

SIDE IMPACT AIR BAG & DIODE / RESISTOR CONNECTORS:

Mol-Son was called upon to develop and design a multi-functional sealed connector system. The system was required to incorporate a shorting bar system for an in-line Side Impact Air Bag (SIAB) application as well as alternate usage incorporating electronic components diode / resistors for various applications.

Utilizing our extensive experience and expertise in materials and their environmental rating, product design, tool design, tool manufacturing, injection molding, and assembly, Mol-Son developed both PBT plastic housings, terminal position assurance (TPA) components, boot and grommet seals with our seal manufacturing alliance partners, and a rear ultrasonically welded cover. Mol-Son also designed the shorting bar, including material base metal plating and profile, to meet electrical contact and force requirements.



Mol-Son personnel designed and built all of the plastic components and sourced the boot seals, grommet seals, metal stamping, diodes, and resistors. In addition, Mol-Son developed the entire manufacturing and assembly process for these products.

