

## **1.1 Product Family Description**

The SJB described herein forms the foundation of the Body Electrical/Electronic Subsystem. The SJB combines the Generic Electronics Module (GEM) and Junction Box (JB) into a single entity for the 2004 Ranger. The SJB is an electronic assembly consisting of two separate PCBs – one for high current loads (HCB) and the other for the low current electronics (LCB). The HCB is single sided with components populated on one side while the LCB is doubled sided with components populated on both sides. The SJB monitors and controls vehicle functions as described in Table 1-2. All relays are located on the HCB or external to the SJB in the Power Distribution Center (PDC).