

ABSTRACT OF THE DISCLOSURE

ILLUMINATED PUSHBUTTON SWITCH

A low cost miniature illuminated pushbutton switch 10 for soldering to a circuit board (23), which avoids damage to an LED during such soldering to the board. The pushbutton assembly, which slides between outward and inward positions, includes a molded plastic frame (32), sheet metal pushbutton conductors (60, 62, 64) mounted on the frame, and an LED (36) having a bulb (74) lying forward of the frame and having leads (40, 42) joined to front ends of two of the pushbutton conductors. The pushbutton assembly also has a pushbutton depressing element (44) with a through passage (130) that surrounds the bulb and extends outward (O) of the bulb, the pushbutton element having an inward end (132) that joins to the pushbutton frame through lugs (136). A pair of the sheet metal conductors (60, 62) have inward ends exposed to deflectable housing contact portions (96, 98), the sheet metal conductors have middle portions that extend through the frame, and the sheet metal conductors have outer ends forming crimp barrels (70, 72) that are crimped to the leads.

Figure 8