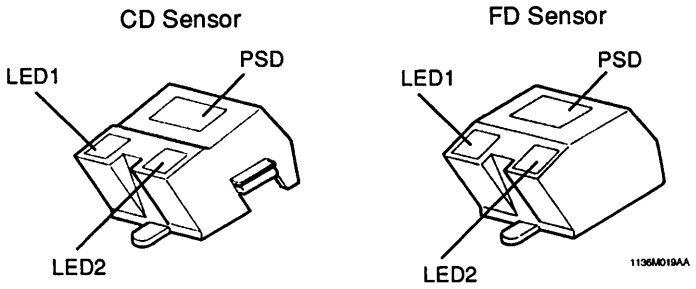
10-2. Original Size Detecting Sensors (PC115 to PC119)

10-2-1. Construction of Each Sensor

- The original size detecting sensors determine the distance between the sensor and the original, which enables the detection of originals with high image density (Original density up to 0.6).
- All sensors are fixed to the Optical Base Plate, enhancing measuring accuracy. A movable sensor had a problem of false detection due to its position being moved.
- Each sensor has two LEDs and one photo receiver (PSD). Since the CD (crosswise) sensors (PC115, 119) are installed at a height different from FD (feeding-direction) sensors (PC116, 117, 118), each type has a different setting distance as detailed below.
  CD sensors: Setting distance 115 mm
  FD sensors: Setting distance 60 mm



- Each sensor has a built-in signal processing circuit that outputs 8-bit serial data to Original Size Detecting Board UN2.

