Introduction

The Model S41-PEN is a light pen on a coiled cord. The light pen is used to active LED's on the System 41 and provide inter-active programming of channels, cross points, scan lists, and memory.
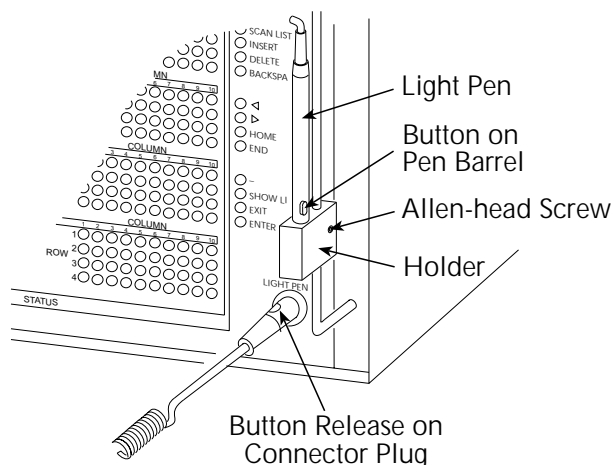
Refer to Table 1 for the S41-PEN parts list.

Table 1
Model S41-PEN parts list

Quantity	Description	Keithley part no.
1	Washer	7078-304
1	Cable clamp	CC-67-1A
1	8-32 × 3/16 set screw	FA-200
1	Light pen	PR-28
1	Light pen holder	SYS41-334A

The light pen holder attaches to the rack mounted handle of the System 41. Secure the holder to the handle by tightening the Allen-head screw located on the connector (see Figure 1).

Figure 1
Light pen connection

Light pen connection

> **NOTE** *The System 41 should be turned off when connecting the light pen.*

The LIGHT PEN receptacle is located at the lower right-hand corner of the front panel (Figure 1). There is a release button on the plug for the light pen. With the button at the 12 o'clock position, push the light pen plug into the receptacle. Light pen operation is automatically activated when it is plugged into the System 41 mainframe. Remove the light pen by pressing the release button and pulling the plug out of the receptacle.

Light pen operation

To activate (click) an LED, place the head of the light pen near the desired LED and press the button on the barrel of the pen. An LED that is clicked blinks for a couple of seconds and then assumes the appropriate state. Refer to the System 41 Mainframe and RF Modules Instruction Manual, Keithley Part No. 41MWS-901-00, for specific procedures.