IR Pen

BOM:

Sharpie Flourescent Yellow Highlighter #25162

N Size 1.5 volt battery

N Size battery holder with solder tabs

3/8 in dia SPST momentary switch

(17/64 in push botton dia, 3/8 in mounting hole dia)

Vishay TSAL5300 IR led (940nm)

24 guage solid core wire (red and black)

Equipment:

9/64 bit for pilot holes

13/64 bit for led in nib holder

17/64 bit for switch pushbutton

3/8 bit for switch body

Variable temperature soldering station

.025 in dia resin core solder

Manufacturing Procedure:

Remove end cap of marker, pull out & discard ink resevoir

Remove and discard ink nib