

Nanodyne Replacement Illuminator for Zeiss Standard Microscope Installation Instructions - Included Items

Additional Items Included But Not Shown:

PN 10457 Hex Key 2.5mm (for M3 mounting screws)
 PN 11309 Hex Key 1/16 inch (for pot knob)



PN 10733 Power Supply - XP Power 5V 1A and PN 10734 Cable Assy 1.35mm ID x 3.5mm OD RA plug to USB A, 6 foot.

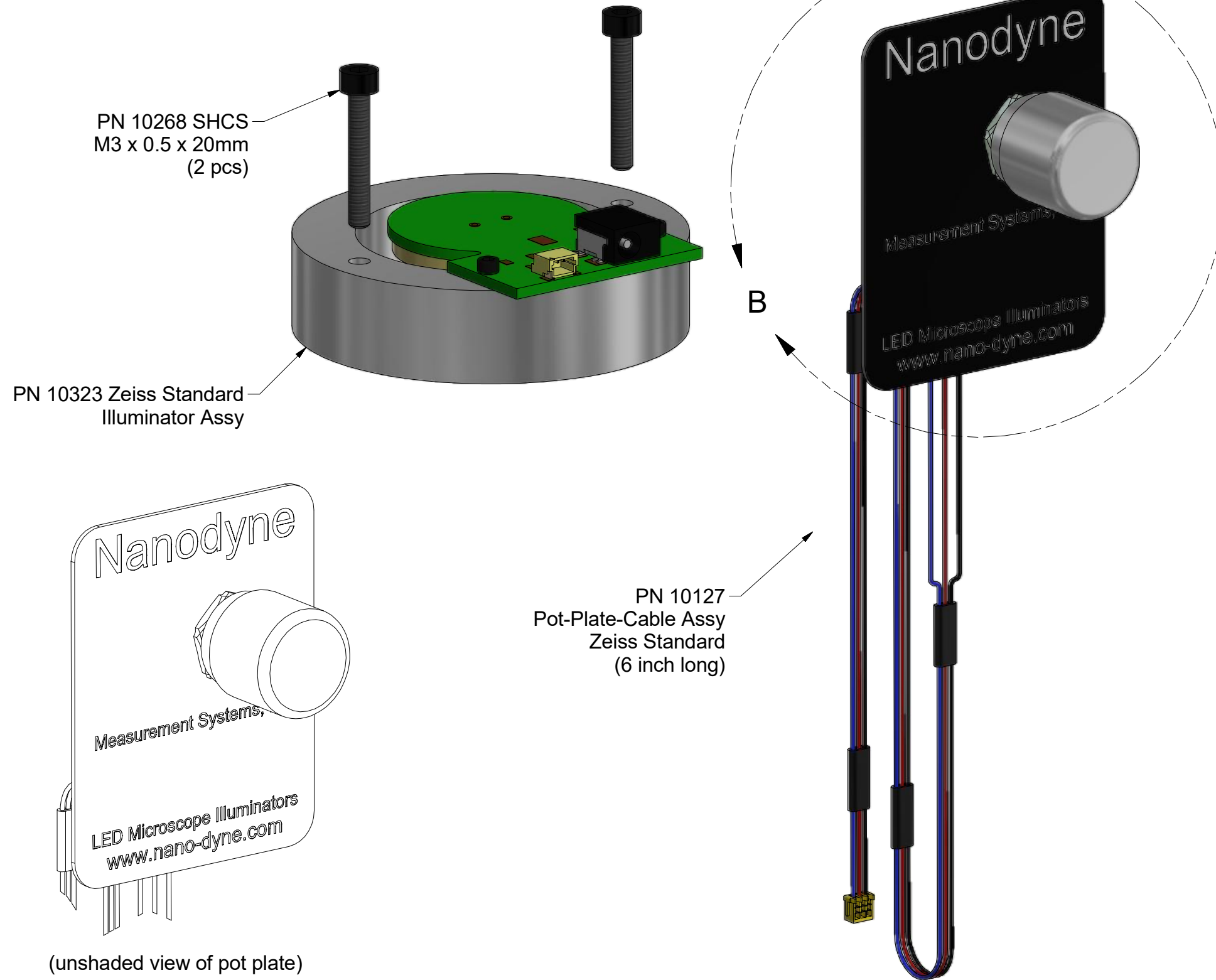
The illuminator may be powered by plugging the cable into the power supply provided, or into a suitable USB port on a computer or other device.

Power supplies are subject to substitution without notice due to availability issues and changes in regulations.



Tape to secure wires.

Wayne Bonin	4/20/2019
PN 10495 Zeiss Standard Illuminator Installation Instruction	REV 2
SHEET 1 OF 3	



PN 10268 SHCS
 M3 x 0.5 x 20mm
 (2 pcs)

PN 10323 Zeiss Standard
 Illuminator Assy

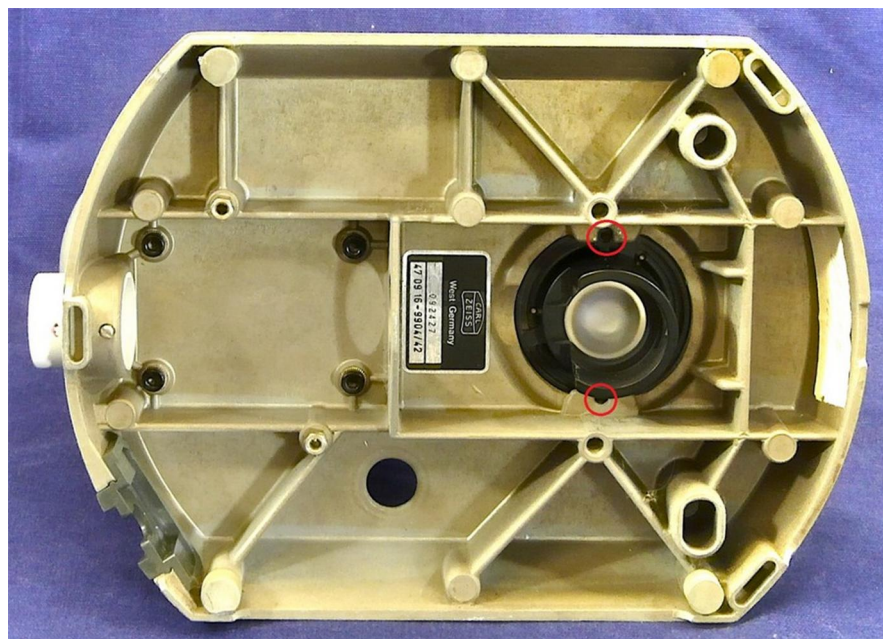
PN 10127
 Pot-Plate-Cable Assy
 Zeiss Standard
 (6 inch long)

(unshaded view of pot plate)

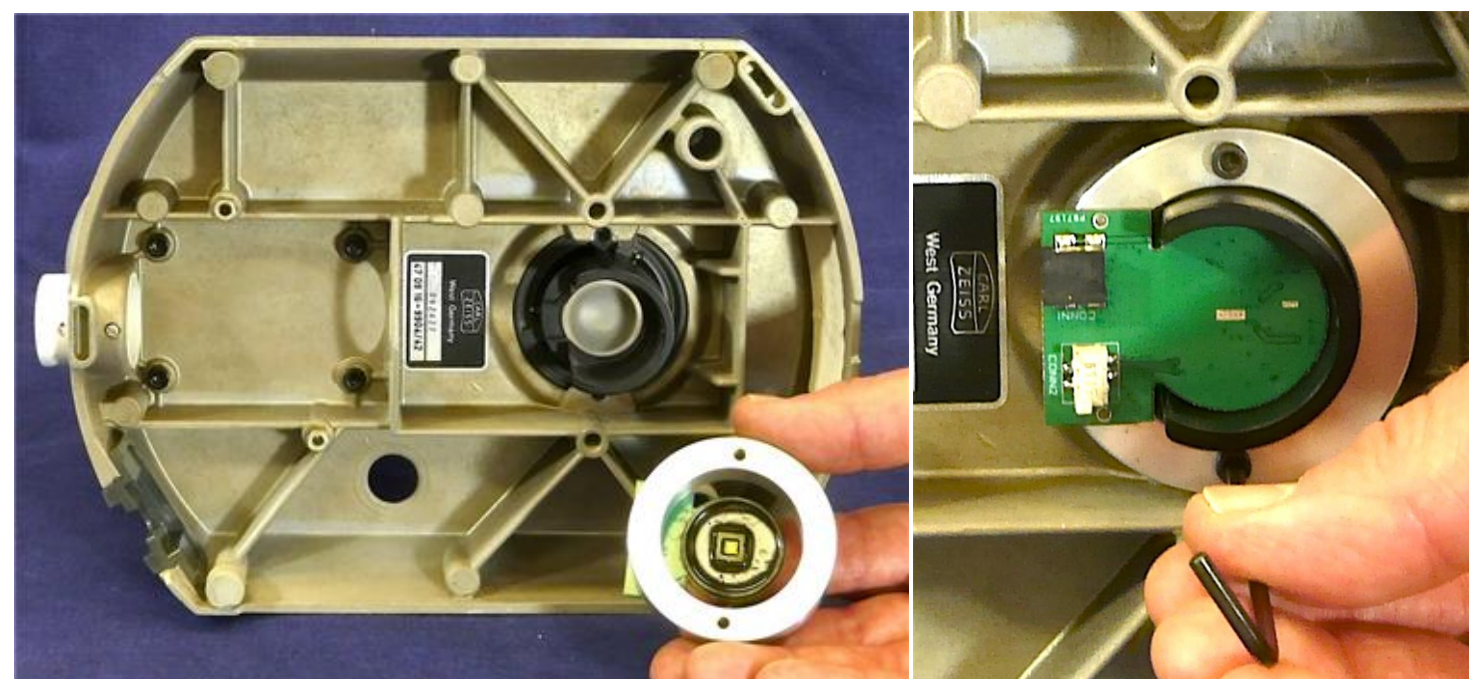
Nanodyne Replacement Illuminator for Zeiss Standard Microscope Installation Instructions - Step 1. Remove old lamp unit and circuitry. Install Nanodyne illuminator.



(1) Zeiss Standard microscope.



(2) Bottom View. The electronics had been stripped out before we got it. We assume there would be a cover you need to remove. Then remove the electronics and old illuminator (held by two screws at the red circles).

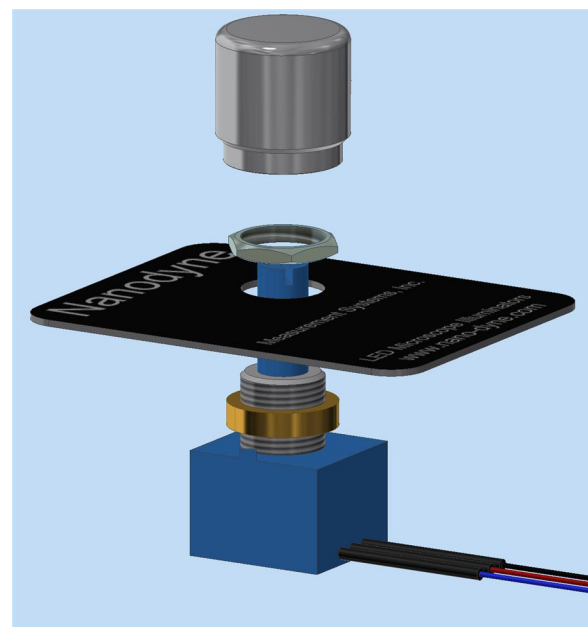


(3) Position the Nanodyne illuminator over the collector lens assembly (black metal with glass lens in the center). Secure it using the two screws provided. Tighten with the 2.5mm hex key.

(the photos above show an old circuit board with an obsolete connector on it)



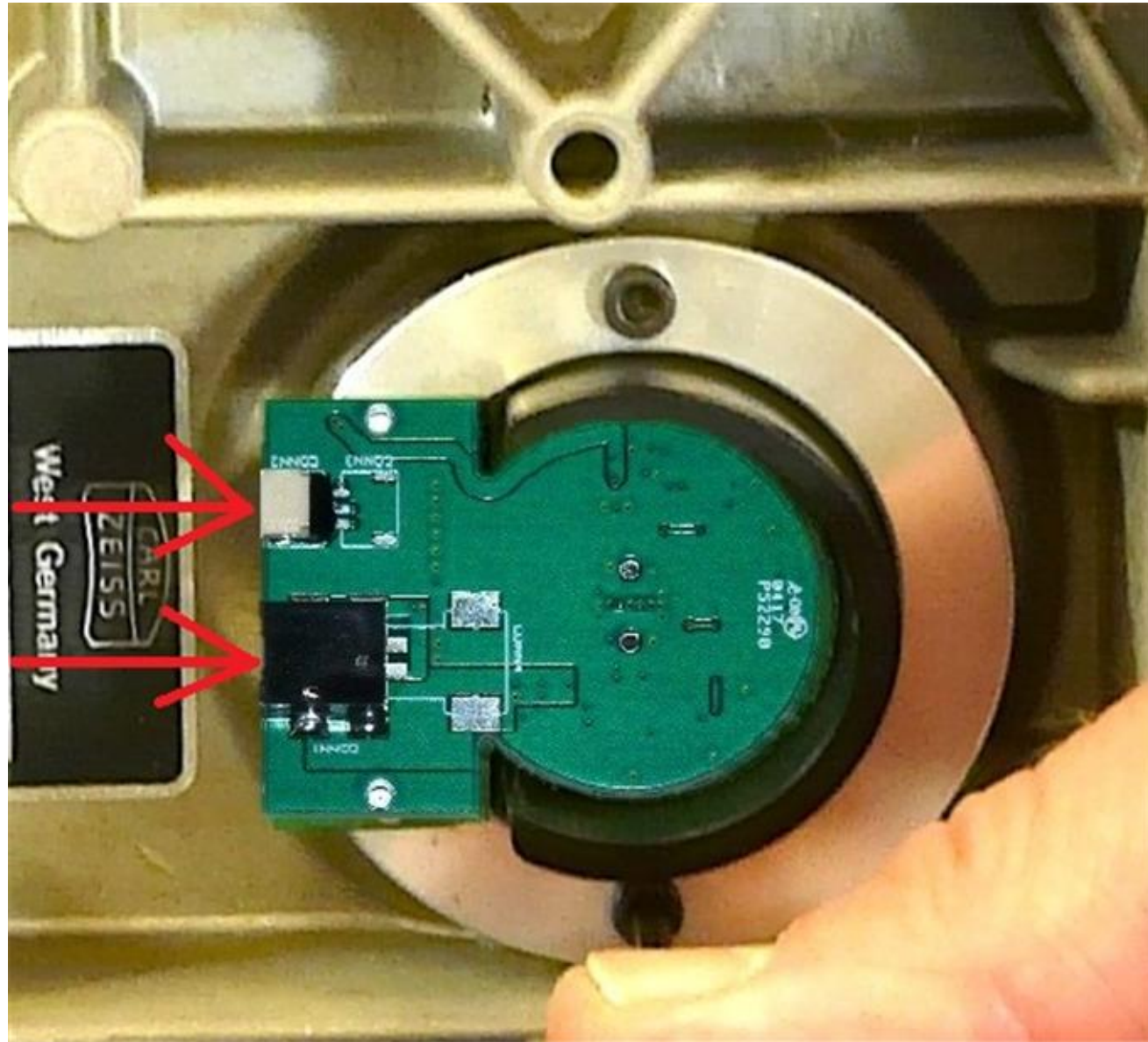
(4) Remove the release film from the back of the pot plate. Attach it to the microscope as shown above. Be sure the hole in the plate is centered on the hole in the microscope.



(5) With the pot plate installed on the microscope, install the pot. Adjust the brass collar so just enough thread comes past the plate to engage the silver colored nut. Tighten the nut, then install the knob. Secure the knob with the 1/16 hex key.

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PN 10495 Zeiss Standard Illuminator Installation Instruction	REV 2
SHEET 2 OF 3	

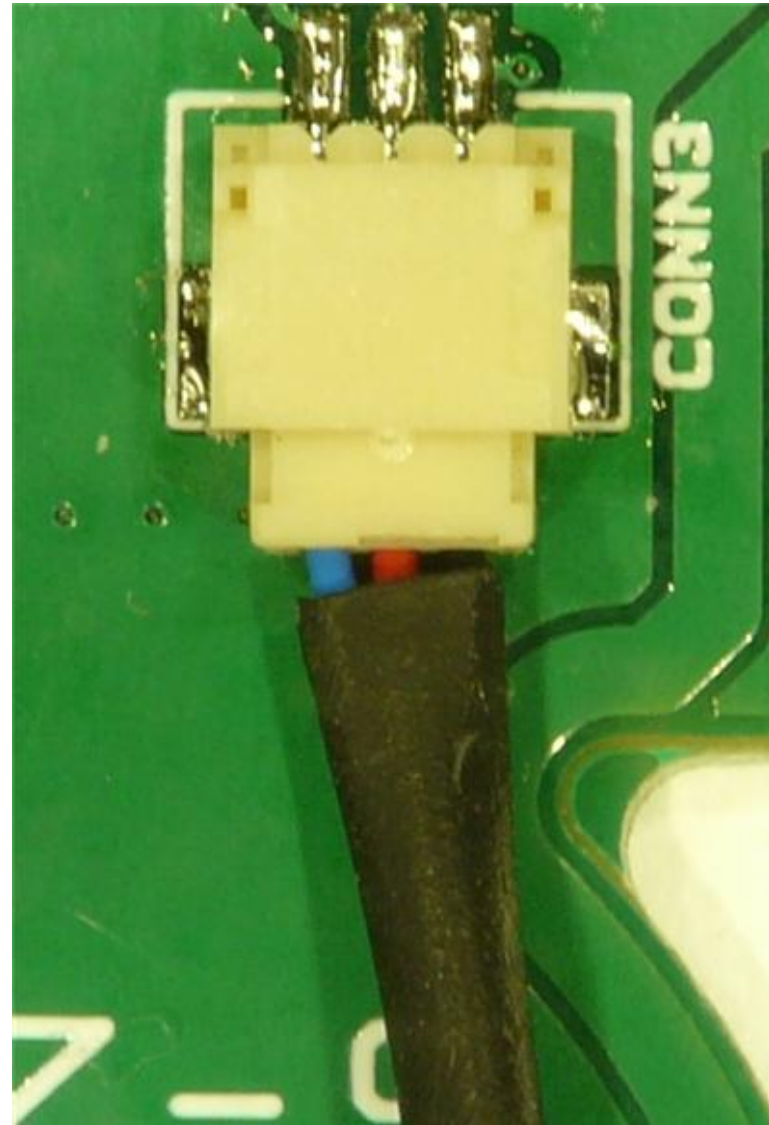
Nanodyne Replacement Illuminator for Zeiss Standard Microscope Installation Instructions - Step 2. Connect new pot cable and power supply.



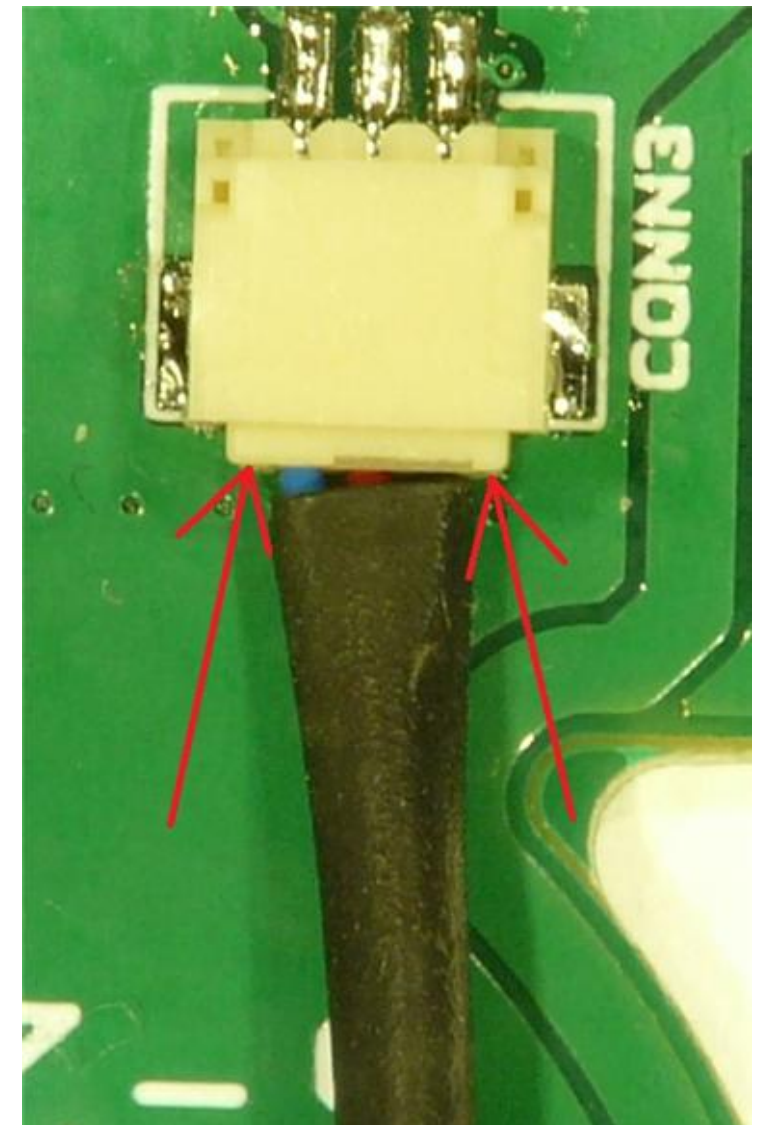
(1) Connect the power supply cable to the black socket (lower arrow above). Connect the pot cable to the lighter socket (upper arrow above).

See photos at right for pot connection details.

(this photo is a composite of an old photo with the current pcb pasted over it so there some slight anomalies)



(2) The plug for the intensity adjustment will go in this far while held by the wires. The connector is keyed. It must be oriented as shown. It cannot be fully engaged by pushing on the wires as they would just collapse.



(3) Push the plug into the socket using your fingernails, tweezers or a tiny screwdriver. There will be a small snap as the connector engages. The required force should be quite small.

(4) Replace any covers that were removed. Connect the new power supply to an AC outlet and it is ready to operate.

Wayne Bonin	4/20/2019
PN 10495 Zeiss Standard Illuminator Installation Instruction	REV 2
SHEET 3 OF 3	