

µPatternScope Hardware Parts List

1. Optical engine
 - Contact <https://www.optecks.com/Portal/> for Telecentric DLP6500 Optical Engine – F – mount / Visible Spectrum
2. Optical engine projection lens
 - Parts required: Nikon AF NIKKOR 50mm 1:1.8D camera lens
3. Thorlabs component order
 - Go to: <https://www.thorlabs.com/rapidorder.cfm>
 - Upload *Thorlabs_Shopping_Cart.xls* file
4. Metallic components
 - TI2_LA_BF adapter (**Note: Please check README.pdf file for printing details;** made with any material, preferably Aluminium, which can be anodized black)
 - Heat sink for DMD (Made with Aluminium or Copper alloys; no need to anodize)
 - Parts required:
 - (1) Screw (Qty. 4): M3, 25mm long (shank length)
 - (2) Washer (Qty. 4): ID 3.2mm, OD 9mm (OD can be larger than 9mm)
 - (3) Spring (Qty. 4): Similar to this <https://www.brw.ch/en/compression-spring-with-round-wire-864840?art=0915>
 - (4) Heat sink compound paste (Qty. 1): Similar to this <https://www.distrelec.ch/en/heat-conducting-paste-55-mk-100-dow-corning-dc-340-100g/p/17559883>
5. DMD evaluation board
 - Parts required:
 - (1) DLPLCR65EVM (Qty. 1): [DLPLCR65EVM | Buy TI parts | TI.com](#)
 - (2) DLPLCRC900EVM (Qty. 1): [DLPLCRC900EVM | Buy TI parts | TI.com](#)
 - (3) USB A (male) to B (male) cable (Qty. 1)
 - (4) Power supply adapter (Qty. 1): Similar to this [SDI65-12-U-P6 CUI Inc. | Power Supplies - External/Internal \(Off-Board\) | DigiKey](#)
6. HEX Keys (Metric) full set (tool kit)