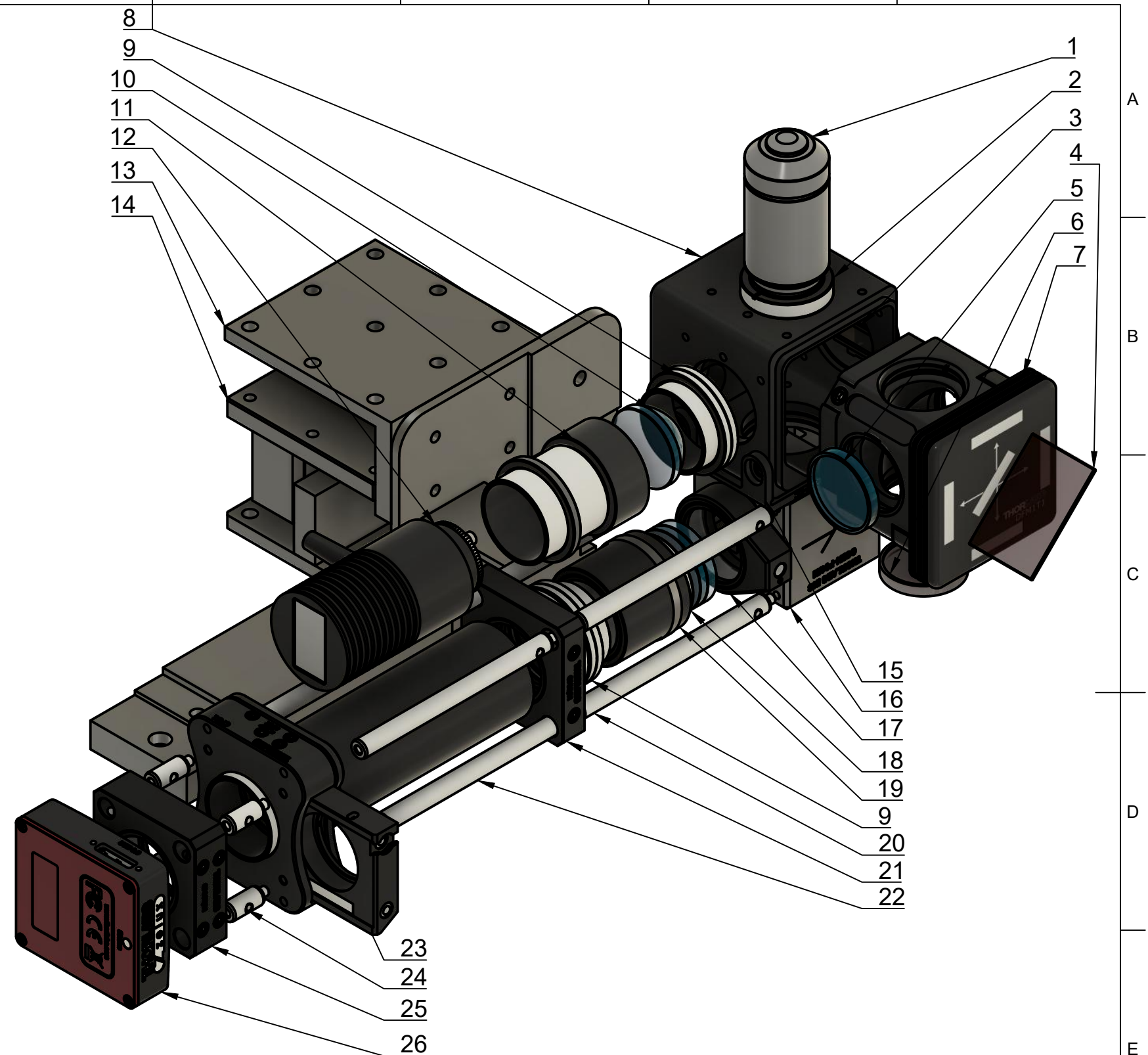


| | 1 | 2 | 3 | |
|---|---|----------|------------------------------------|-----------------------|
| A | List of Parts In Flexiscope Configuration | | | |
| | Number | Quantity | Component | Fusion 360 Sub-System |
| | 1 | 1 | 20x Objective (Optics 1) | LED Modue |
| | 2 | 1 | SM1-RMS Adapter (LED 1) | LED Modue |
| B | 3 | 1 | Dust Cap (Aux 1) | LED Modue |
| | 4 | 1 | Dichroic Mirror (Optics 2) | LED Modue |
| | 5 | 1 | Excitation Filter (Optics 3) | LED Modue |
| | 6 | 1 | Emission Filter (Optics 4) | LED Modue |
| C | 7 | 1 | Filter Insert (LED 2) | LED Modue |
| | 8 | 1 | Kinematic Cube (LED 3) | LED Modue |
| | 9 | 2 | Mini Couple (LED 4) | LED & CAM |
| | 10 | 1 | Condenser Lens (Optics 5) | LED Modue |
| D | 11 | 1 | Tube Adapter (LED 5) | LED Modue |
| | 12 | 1 | LED Light (LED 6) | LED Modue |
| | 13 | 1 | Flexi-Scope Bracket (Struct 1) | Structural |
| | 14 | 1 | Z-axis Stage (Struct 2) | Structural |
| E | 15 | 1 | Box Link (Aux 2) | Structural |
| | 16 | 1 | Mirror Cube (Cam 1) | CAM Module |
| | 17 | 1 | Achromatic Holder (Cam 2) | CAM Module |
| | 18 | 1 | Achromatic Doublet (Optics 6) | CAM Module |
| F | 19 | 1 | Medium Lens Tube (Cam 3) | CAM Module |
| | 20 | 4 | Long Optical Posts (Struct 3) | Structural |
| | 21 | 1 | Pass-Through Cage Mount (Struct 4) | Structural |
| | 22 | 4 | Medium Optical Posts (Struct 5) | Structural |
| G | 23 | 1 | Emission Filter Holder (Cam 6) | CAM Module |
| | 24 | 4 | Miniature Optical Posts (Struct 6) | Structural |
| | 25 | 1 | End Cage Mount (Sturct 7) | Structural |
| | 26 | 1 | Zelux Camera (Cam 7) | CAM Module |

Notes:

* Dust Cap (Aux 1) used on kinematic cube right when in use, and both right and top (objective local) when not in use to protect lenses and filters from particulates.



| | | | | | |
|---|-----------------------------------|--|----------------------------|--------------------------------|--------------|
| Dept. MAAE | Technical reference Flexiscope | Created by Daniel Delgado 2022-07-27 | Approved by | | |
| All Listed Components Are Available in the Supplimentary Materials Excel Sheet Containing Pricing and Purchasing URL | | Document type Expanded Drawing | Document status Pending | | |
| | | Title Inverted Flexiscope Configuration | DWG No. NO. 1 | | |
| | | | Rev. 6 | Date of issue June 21, 2024 | Sheet 1/1 |