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| **Modules** | **Description** | **Enabled devices** |
| 2 SiN flavors | 2 SiN thicknesses:150nm (BioPIX150)300nm (BioPIX300) | 2 flavors optimized for wavelengths 300nm – 1000nm |
| 2 SiN patterning steps each | 2 etch depthsBioPIX150: 90nm / 150nmBioPIX300: 150nm / 300nm | Strip / rib waveguides, shallow etched grating couplers |
| Clad oxide removal | Exposure of waveguides for sensing by removing local clad SiO2 | Micro-channels for evanescent sensing by waveguides. |
| Metal heater | TiN metal lines for resistive heating | Thermo-optic tuners, switches, modulators etc. |
| Metal interconnect | Al metal lines and pads for interconnects | Metal interconnects, probe-pads, bond-pads |
| Deep trench | Deep trench to expose edge coupler facets | Edge couplers |

PIX4life

BioPIX platform