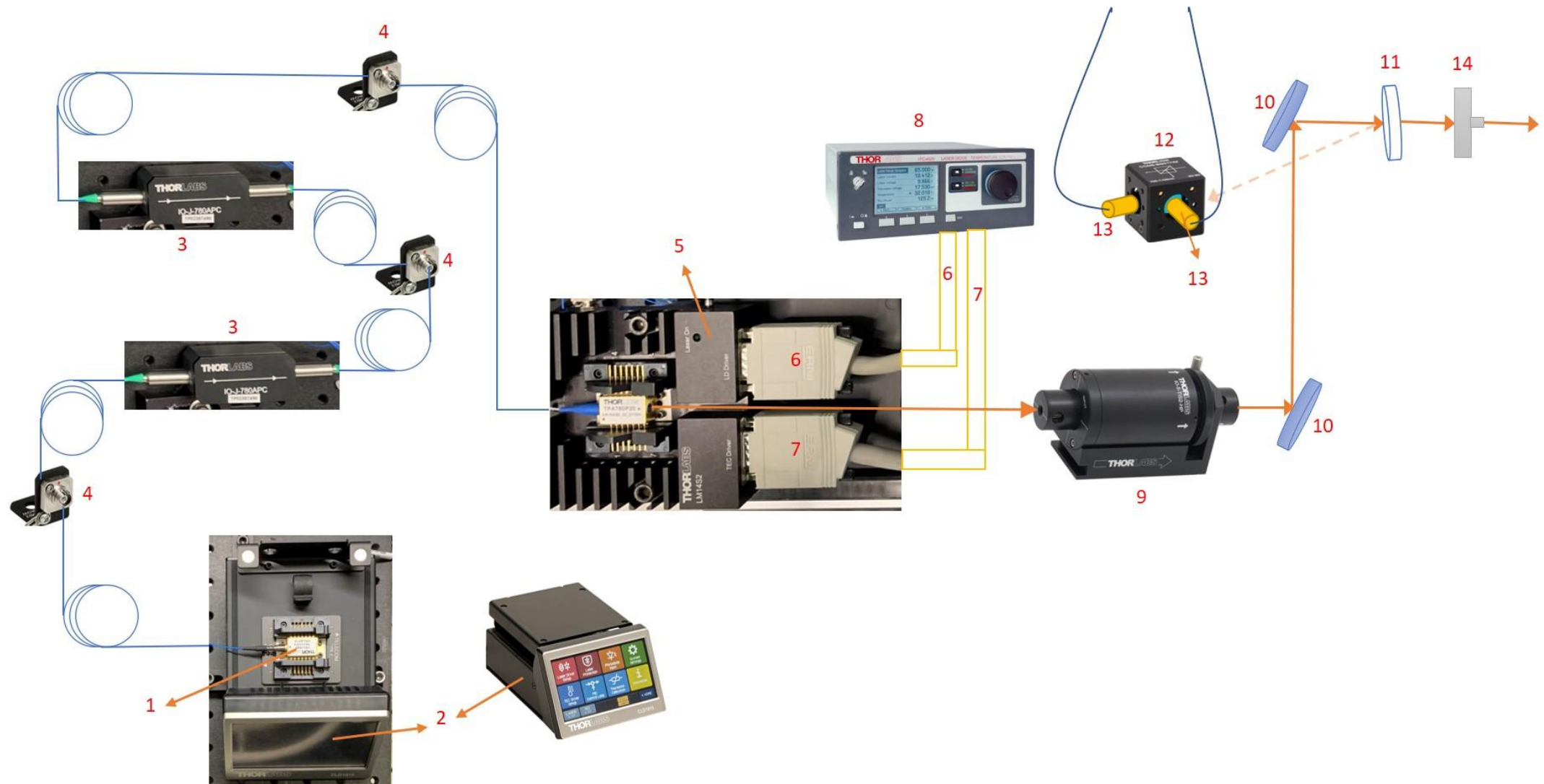


Lay out of gen1-b laser- 785nm from Thorlabs



Bill of materials for Gen1-b laser- 785nm from Thorlabs

	Part name	Part number	Manufacturer	quantity
1	Seed laser	FPV785P	Thorlabs	1
2	Laser Diode and Temperature Controller with Mount	CLD1015	Thorlabs	1
3	Fiber Isolator	IO-J-780APC	Thorlabs	0 or 1 or 2
4	FC to FC single L-bracket mating sleeve, narrow precision key	ADAFCPMB2	Thorlabs	1 or 2 or 3
5	Universal 14-Pin Butterfly Laser Diode Mount	LM14S2	Thorlabs	1
6	Laser diode driver connection cable	CAB4005	Thorlabs	1
7	TEC driver connection cable	CAB4000	Thorlabs	1
8	Benchtop Laser Diode/TEC Controller, 20 A / 225 W	ITC4020	Thorlabs	1
9	Free-Space Isolator	IO-5-TIS2-HP	Thorlabs	1
10	1" Broadband Dielectric Mirror-Kinematic mirror mount	BB1-E03	Thorlabs	2
		KM100-E03	Thorlabs	2
11	0.5" Optical wedge-Kinematic mount	WG10530-B	Thorlabs	1
		KM05/M	Thorlabs	1
12	16 mm Cage Cube-Mounted Non-Polarizing Beam splitter	CCM5-BS017/M	Thorlabs	1
13	Large Area Mounted Silicon Photodiode	SM05PD1A	Thorlabs	2
14	Achromatic Fiber Port, SMA	PAF2S-A7B	Thorlabs	1