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龙虎系列产品手册

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DT 振镜电机系列

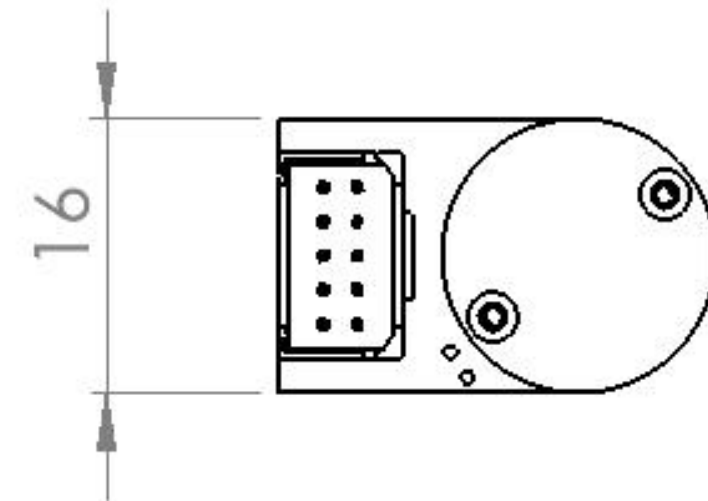
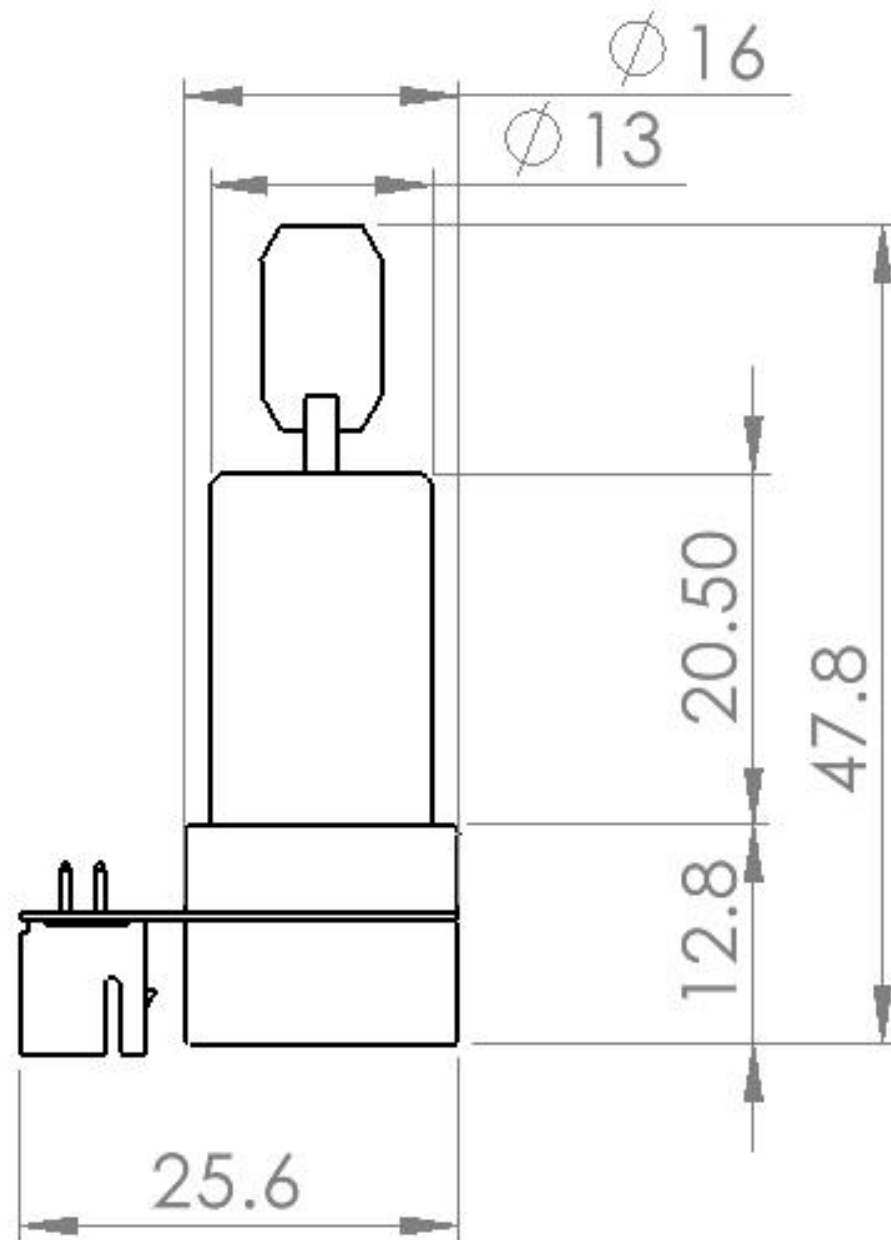
简介：

1. 龙虎振镜自 2005 年投入市场至今，产品不断升级优化，技术成熟，质量稳定
2. 2023 年起所有电机内置温度探头（中国，美国，德国专利）

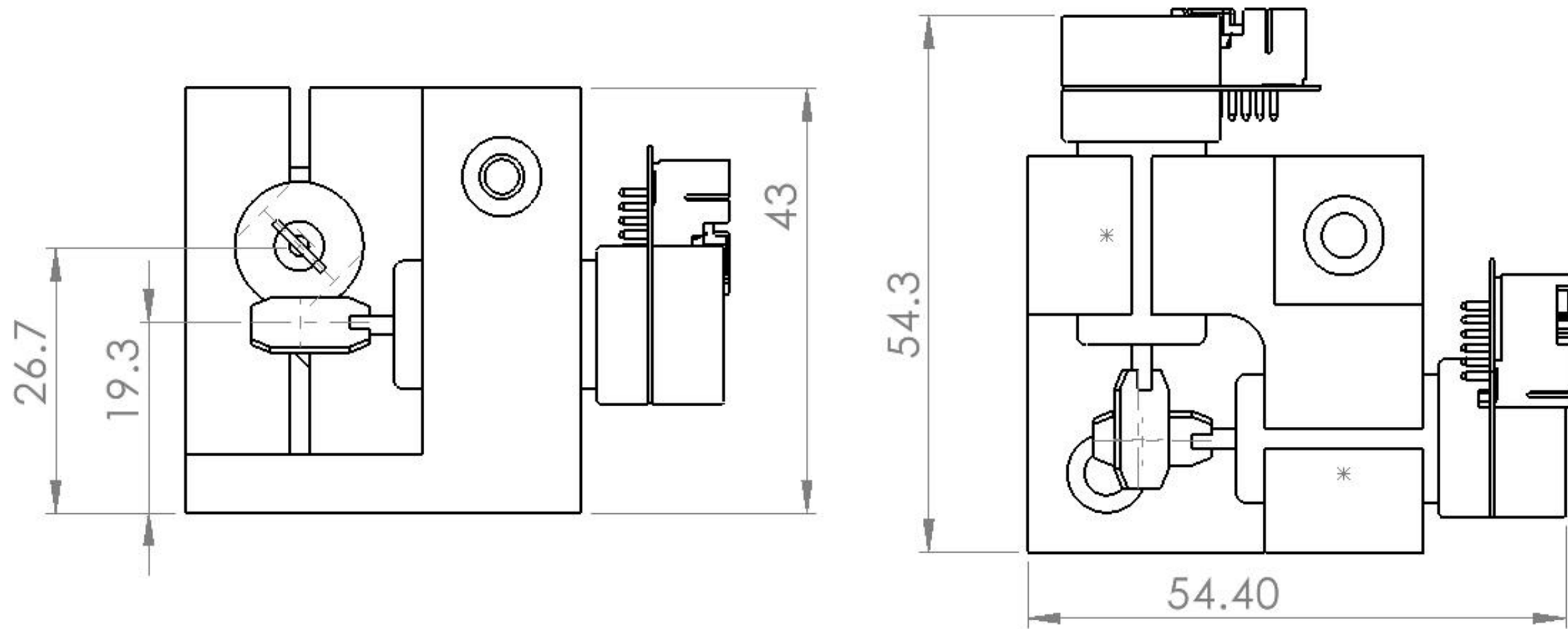
产品规格	DT40	DT50	DT50W	DT50B	DT50BB	DT30Plus	DT30Plus+
光斑 (mm)	3-4	5-5.5	5	6-7	7-8	8-10	10-12
*镜片波长 (nm)	标配400-700nm, 高反介质膜, 反射率>98%						
镜片尺寸 (mm)	12*7*0.8 X/Y	X 10.5*8.5*1 Y 13*8*1	X 10.5*8.5*1 Y 17*7*1	X 10.5*10.5*1 Y 16*9*1	X 14*12*1 Y 20*10*1	X 15*14*1.3 Y 23*12*1.3	X 16*18*1.3 Y 25*16*1.3
最大扫描角度 (°)	60	60	85	60	60	50	40
最高转子温度 (°C)	110						
最大扫描速度pps (ILDA@8 °)	40K	40K	38K	35K	28K	25K	20K
入光高度 (mm)	19.3	19.4	19.4	19.4	19.4	19.3	19.5
出光高度 (mm)	26.7	27.4	27.4	28.9	30.1	32.6	36.1
单个电机重量 (g)	30	23	23	23	23	42	43
电机整体装配重量 (g)	152	239	239	239	254	283	306
电源需求	±24V 1A	±24V 2.5-3A					
最大功耗 (W)							

*可定制其它波长及镀膜镜片，如 1064nm，980nm，10.6u，镀银，镀铝，镀金

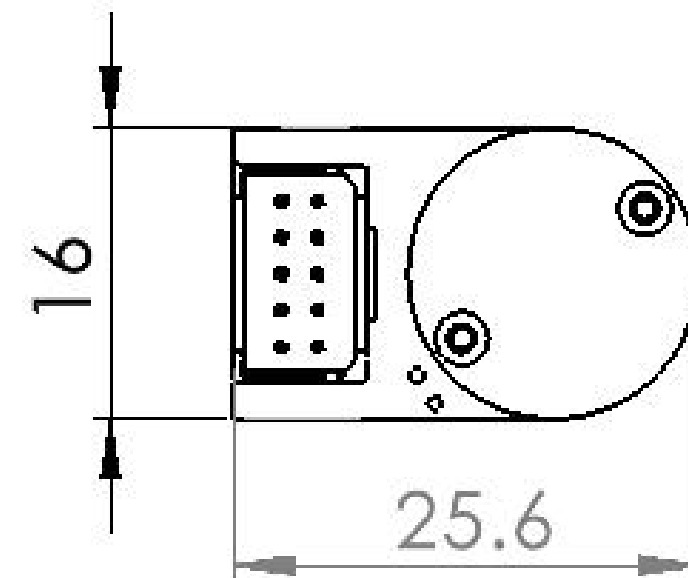
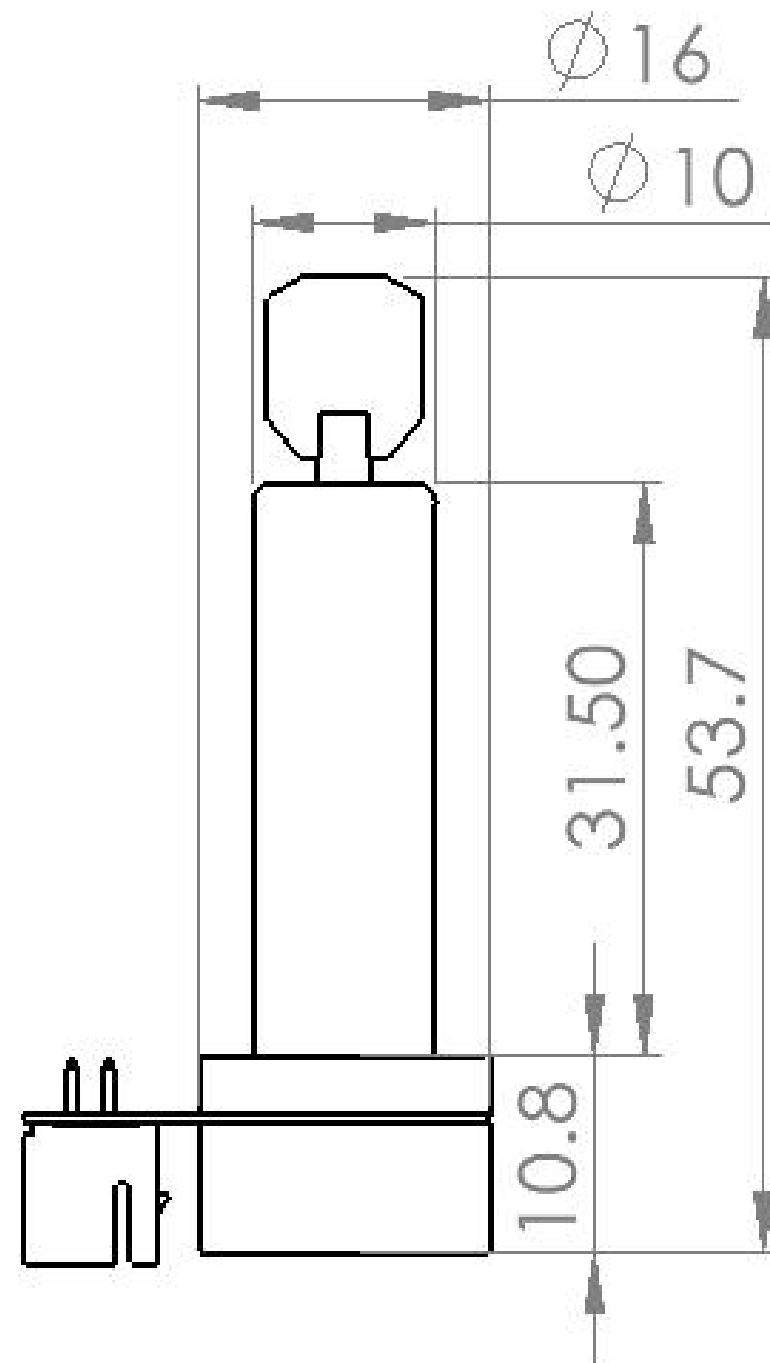
DT40_X/Y galvo



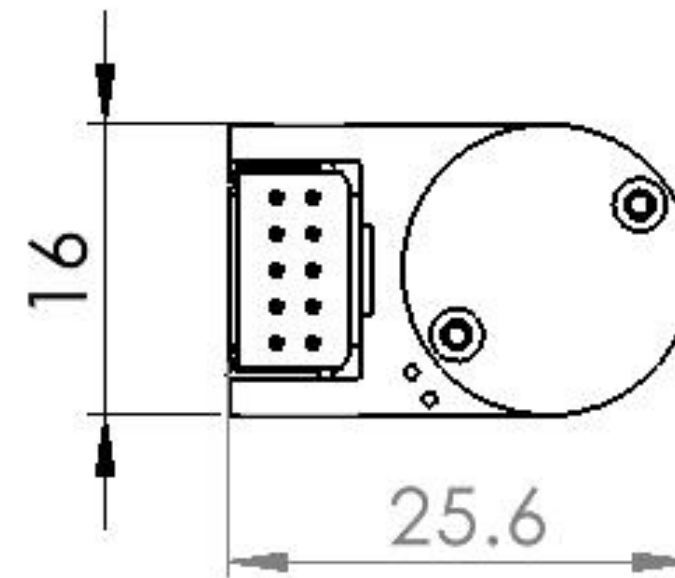
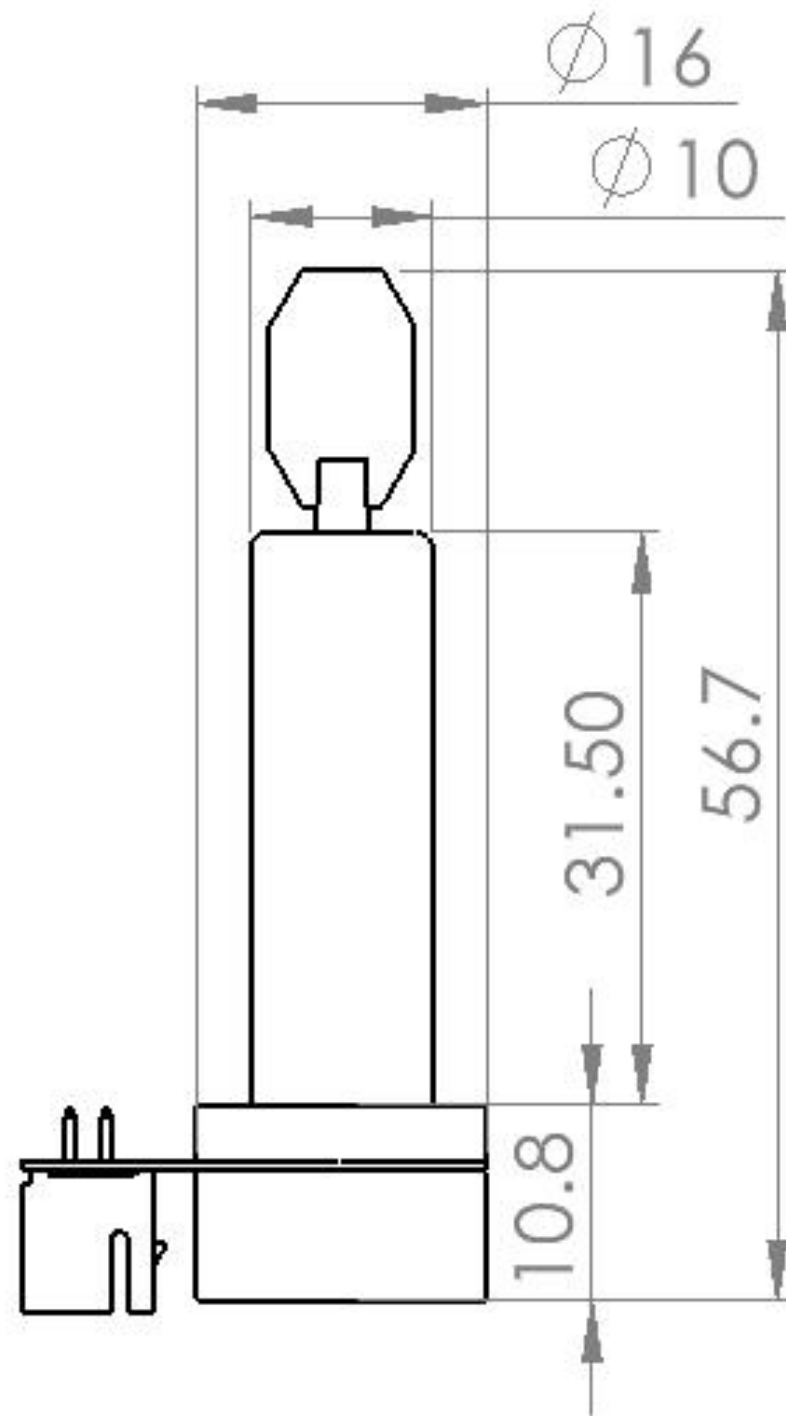
DT40 assemble



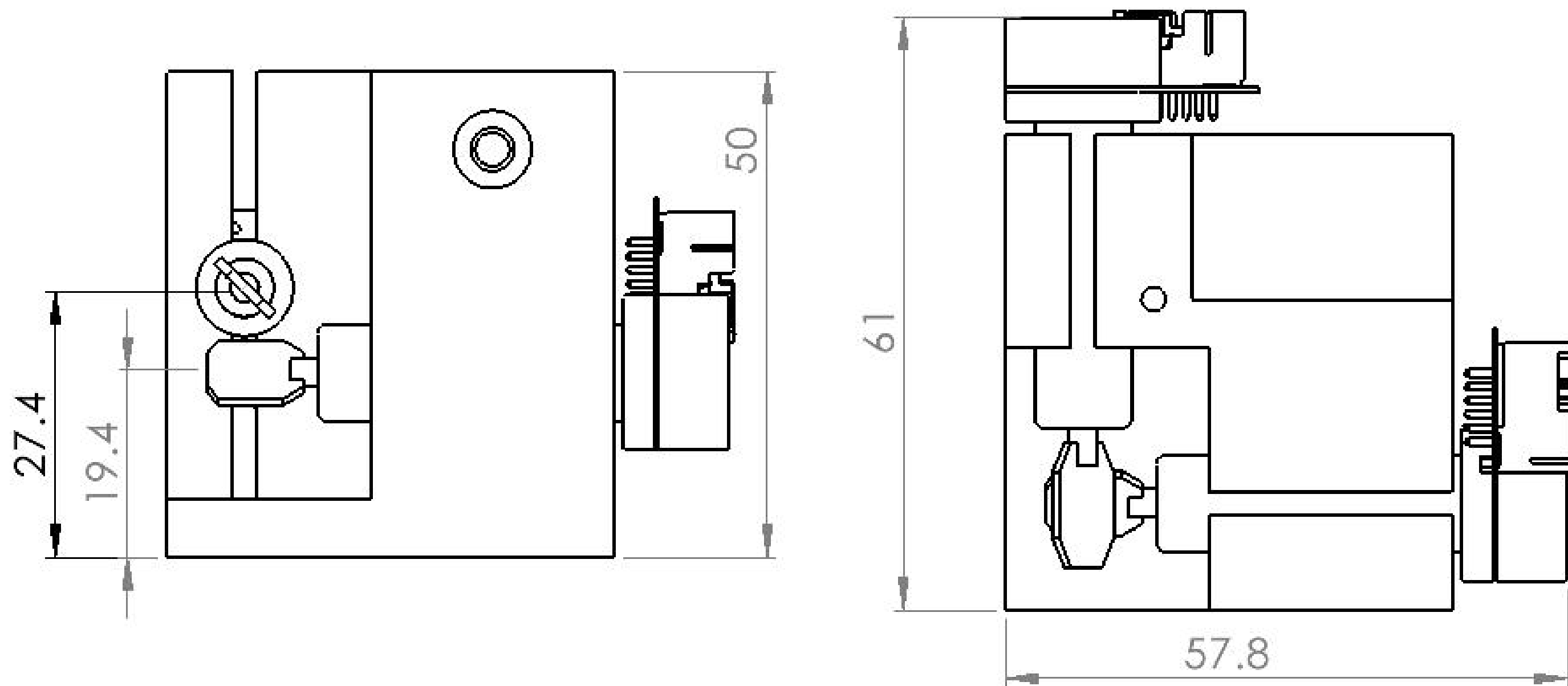
DT50_X_galvo



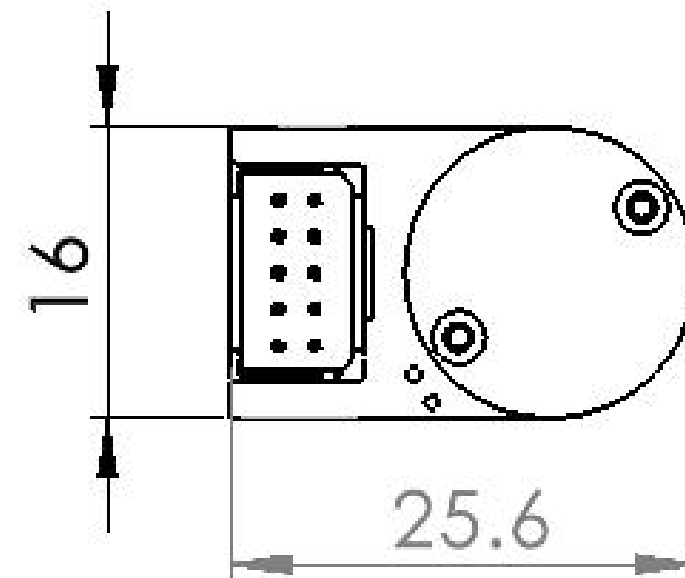
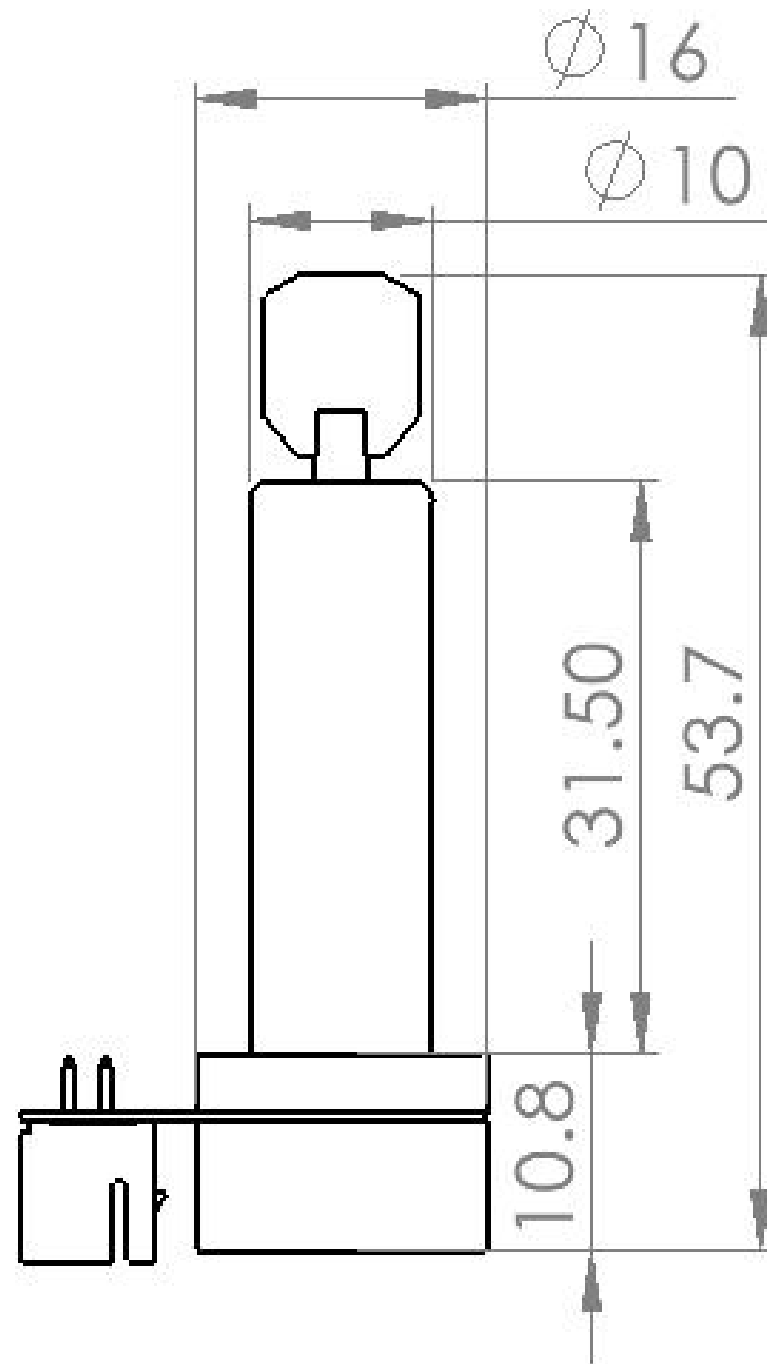
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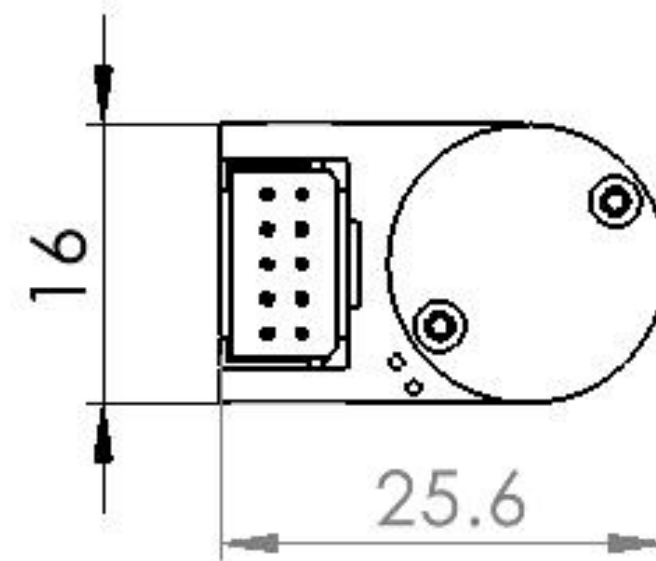
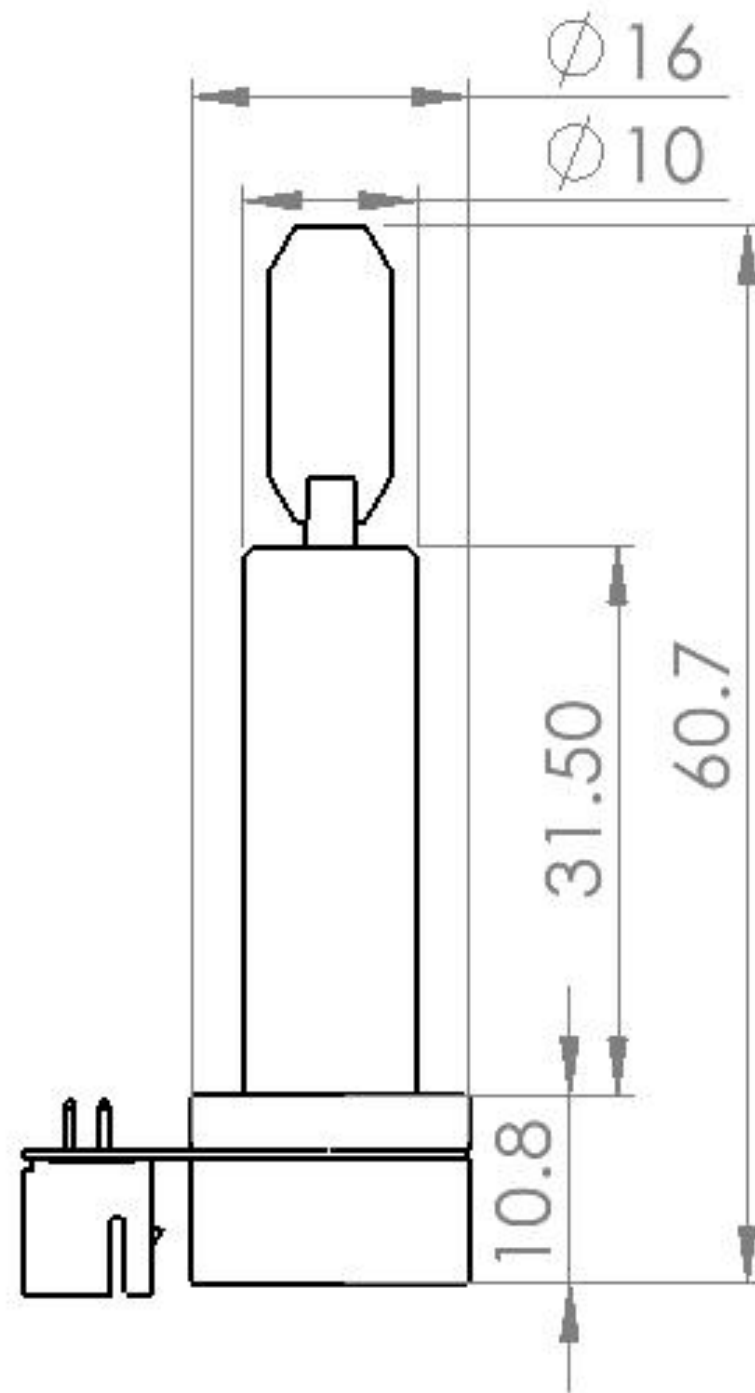
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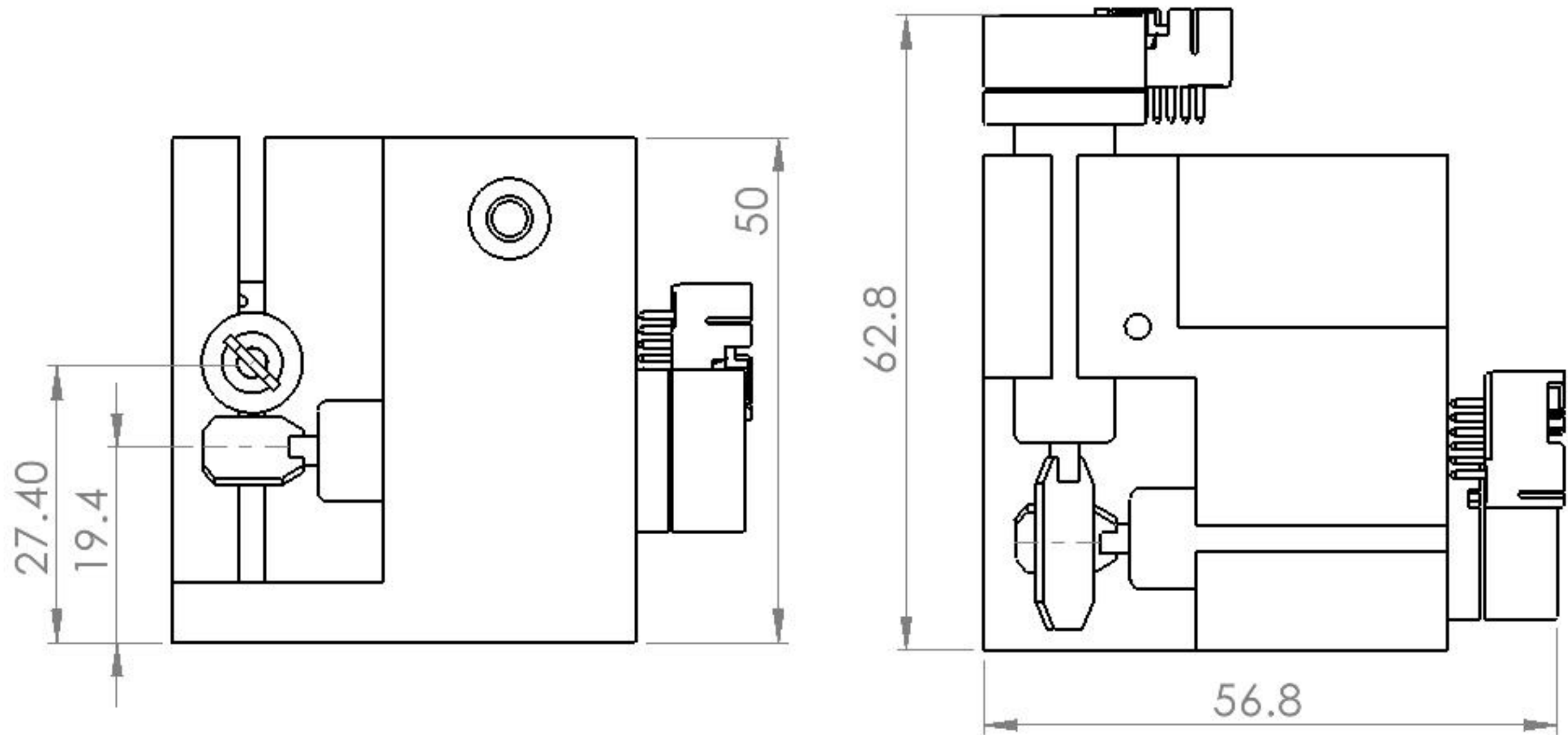
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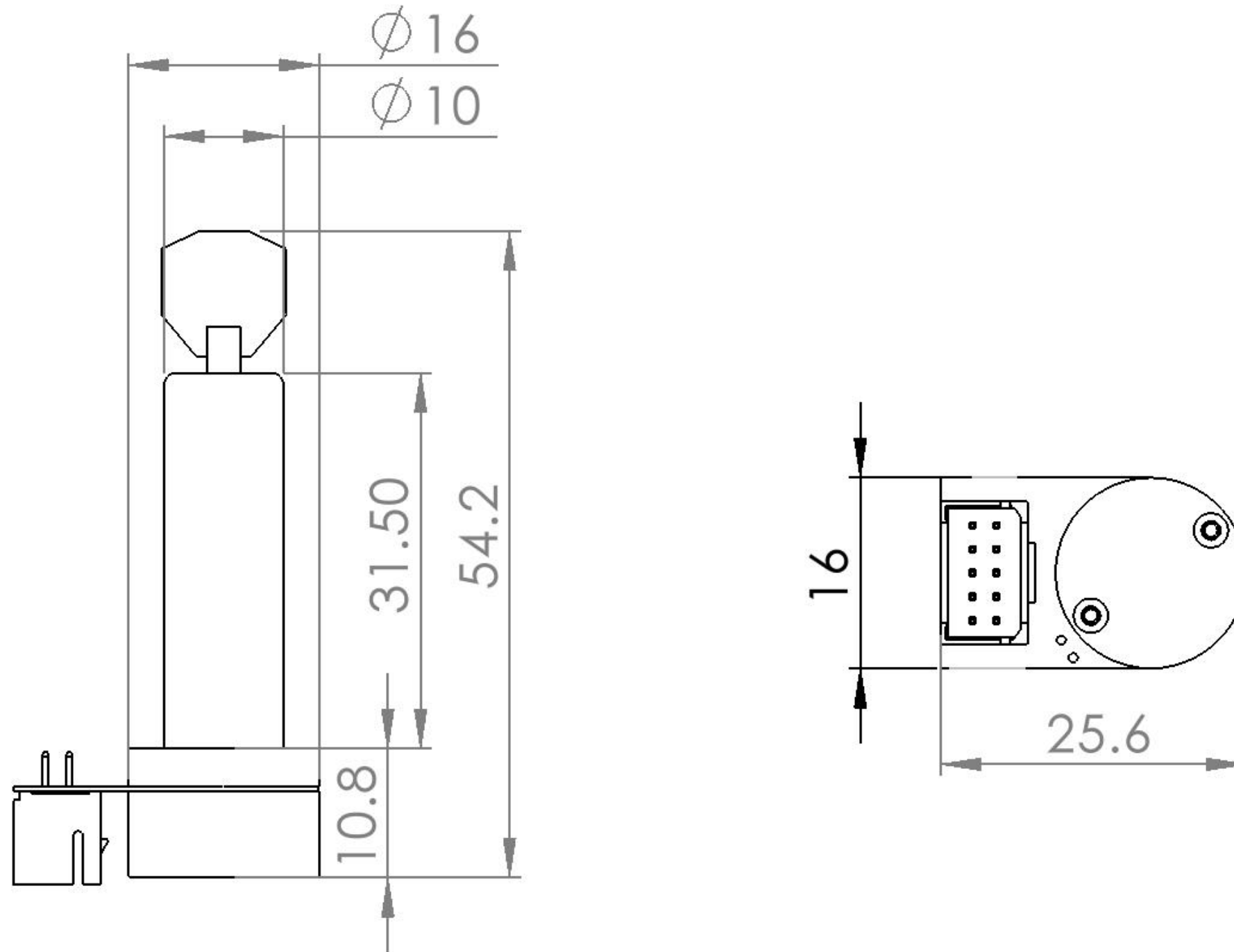
DT50W_Y_galvo



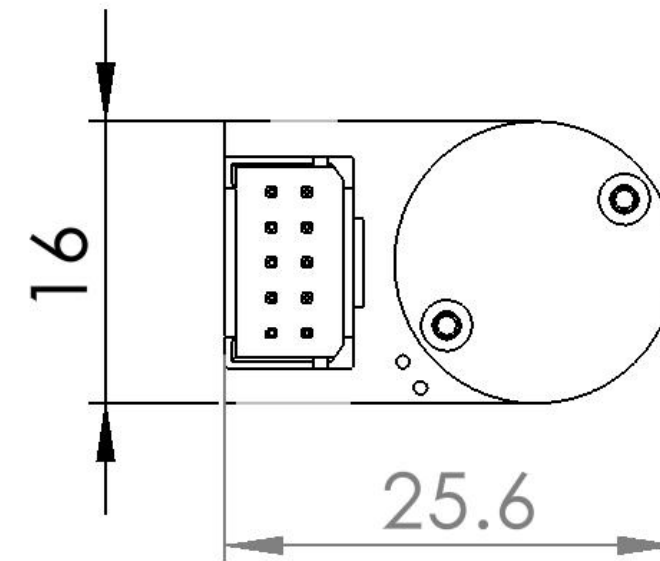
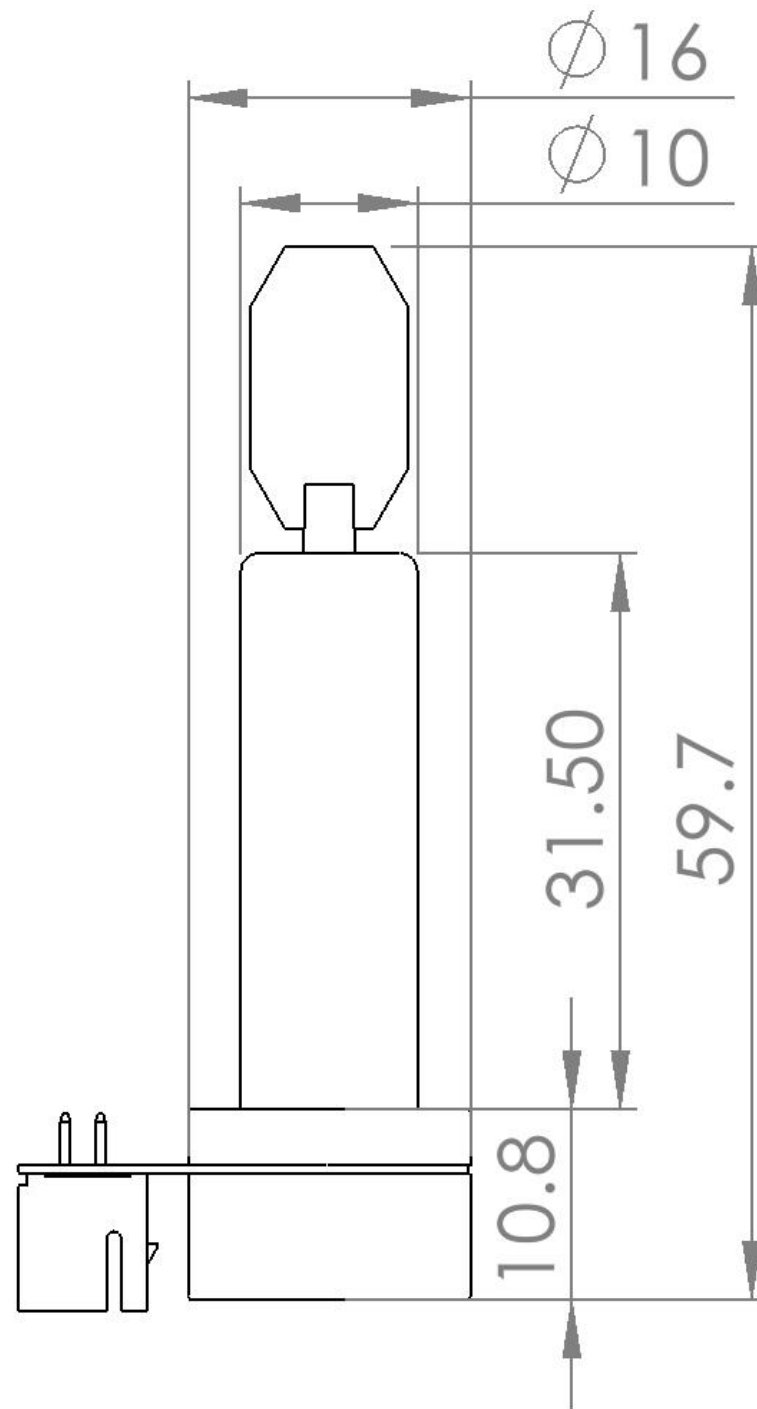
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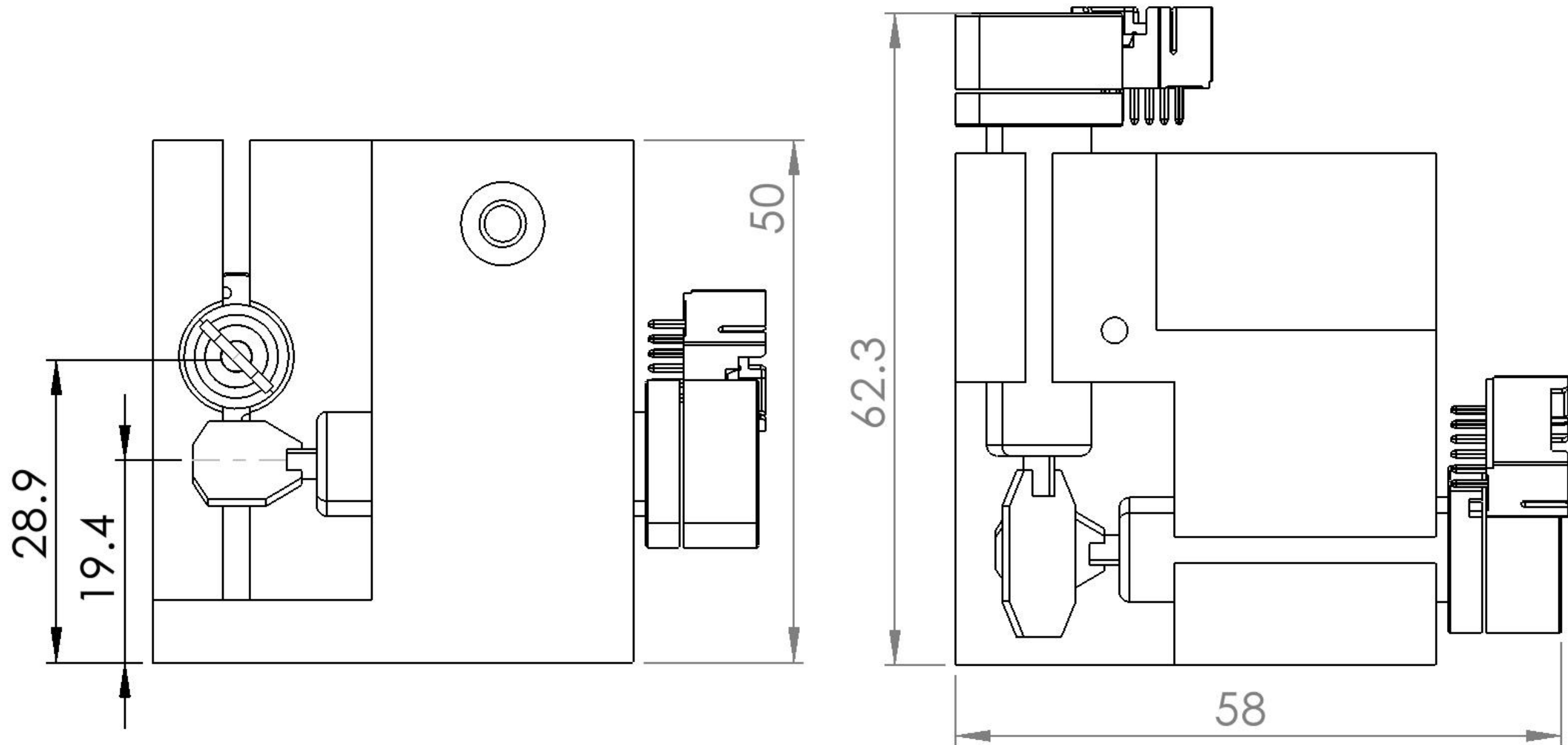
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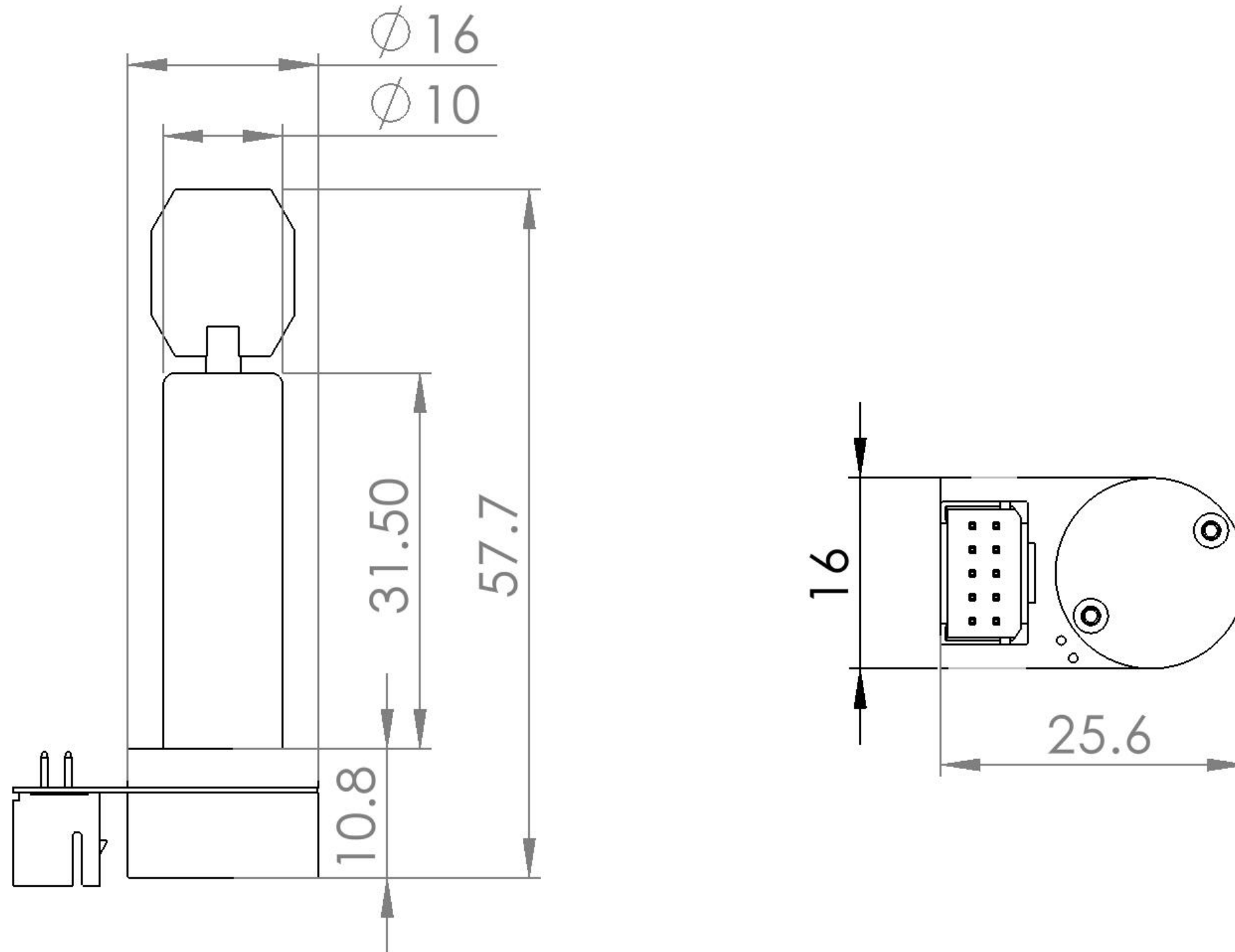
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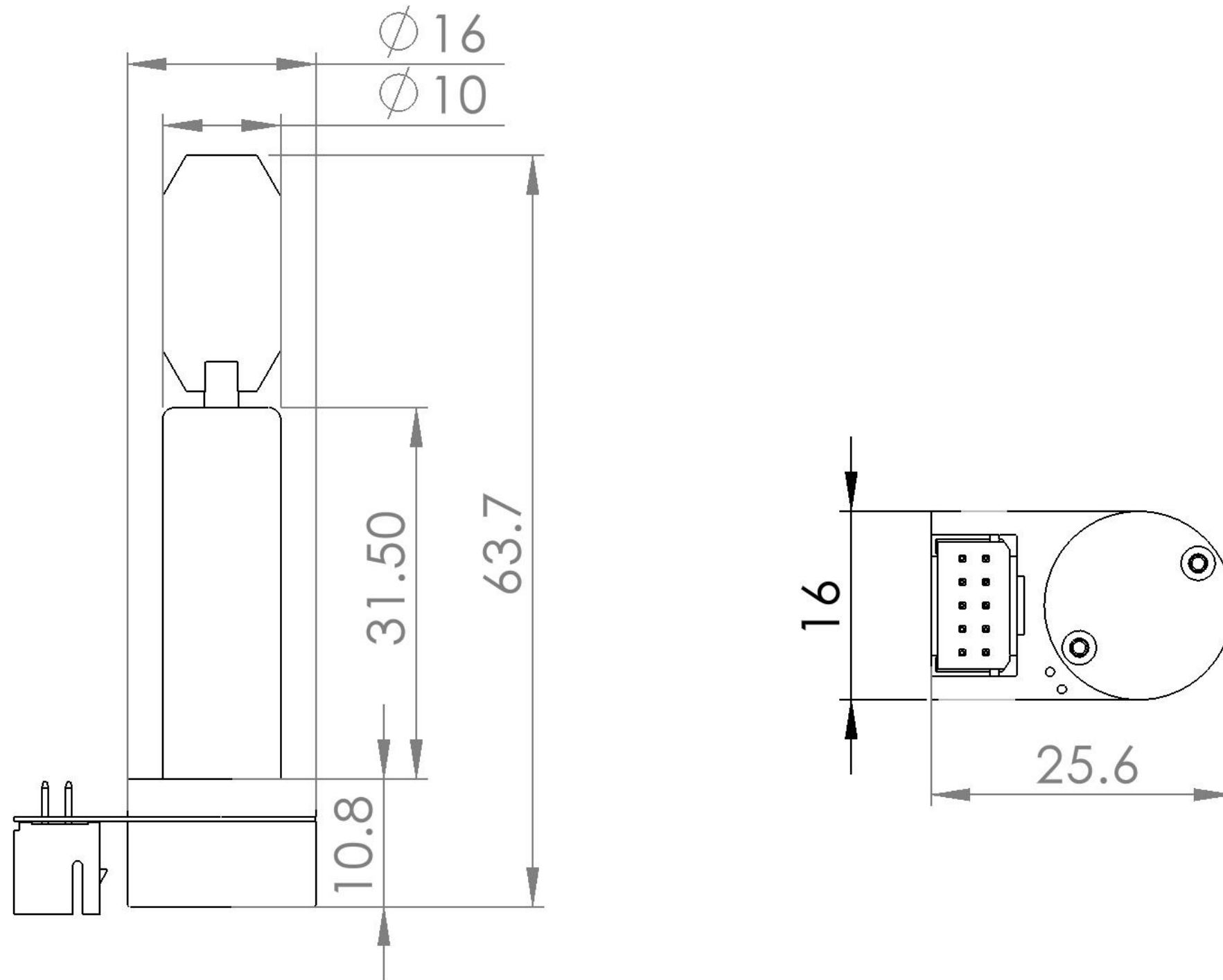
DT50B assemble



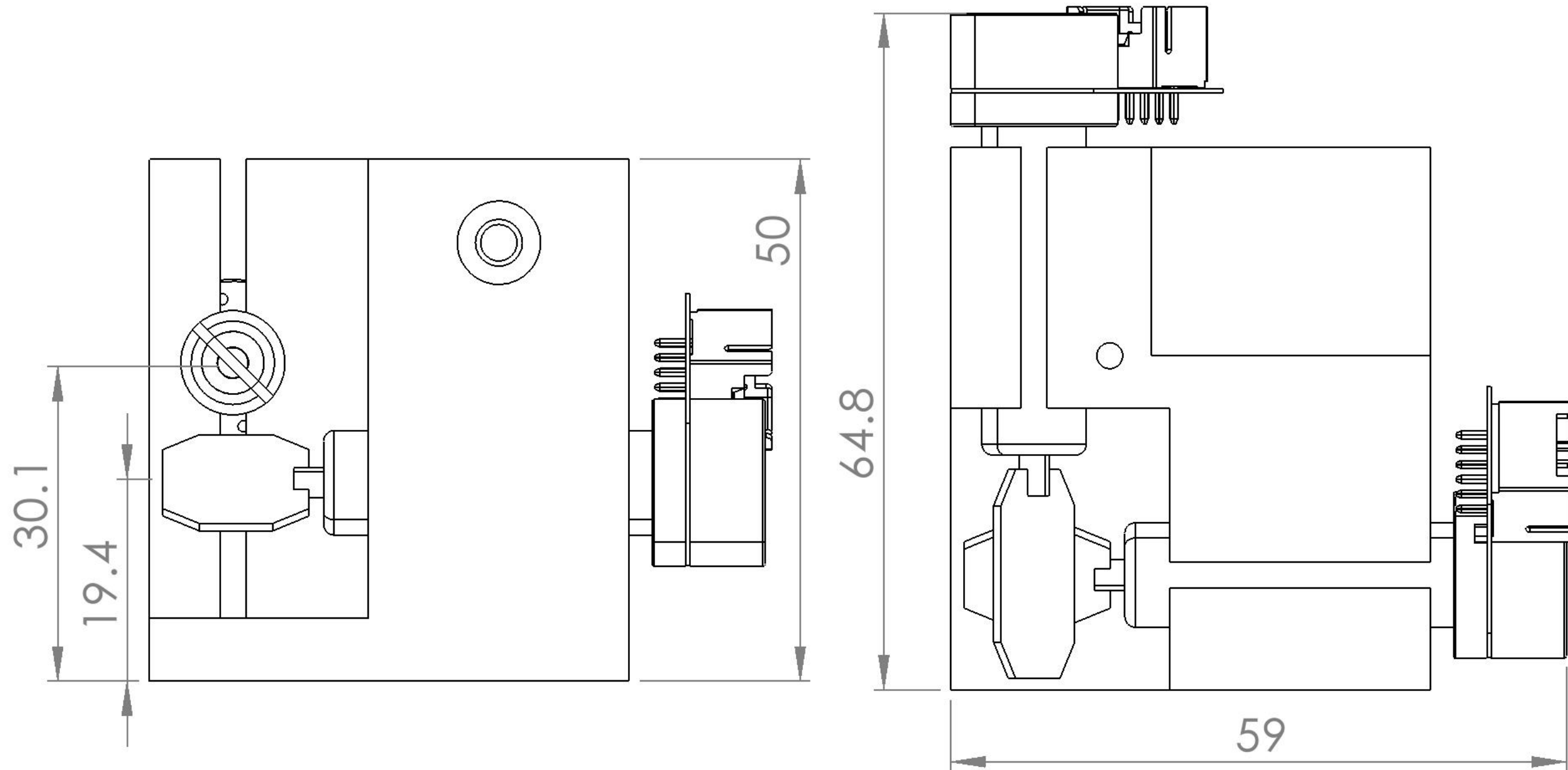
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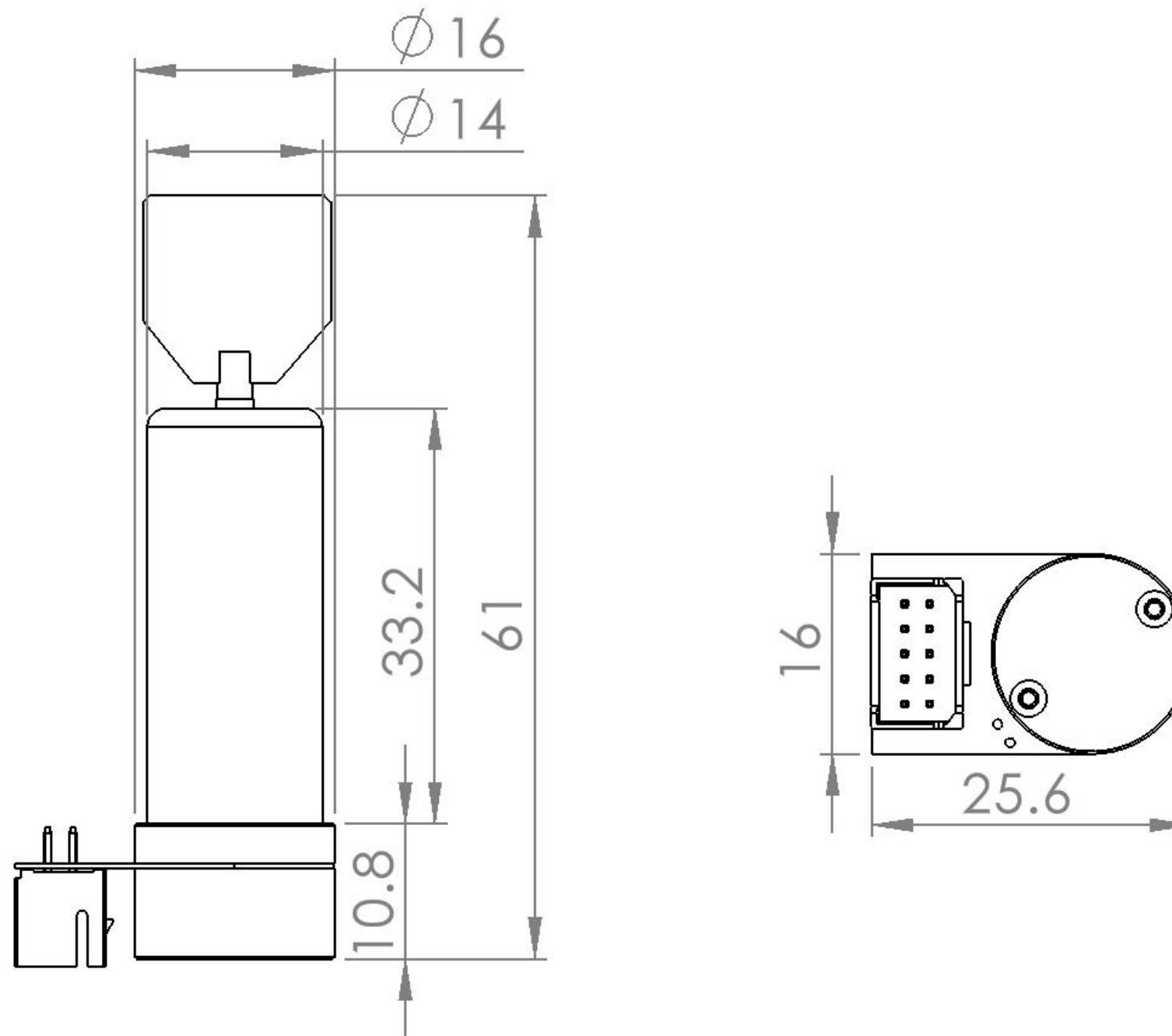
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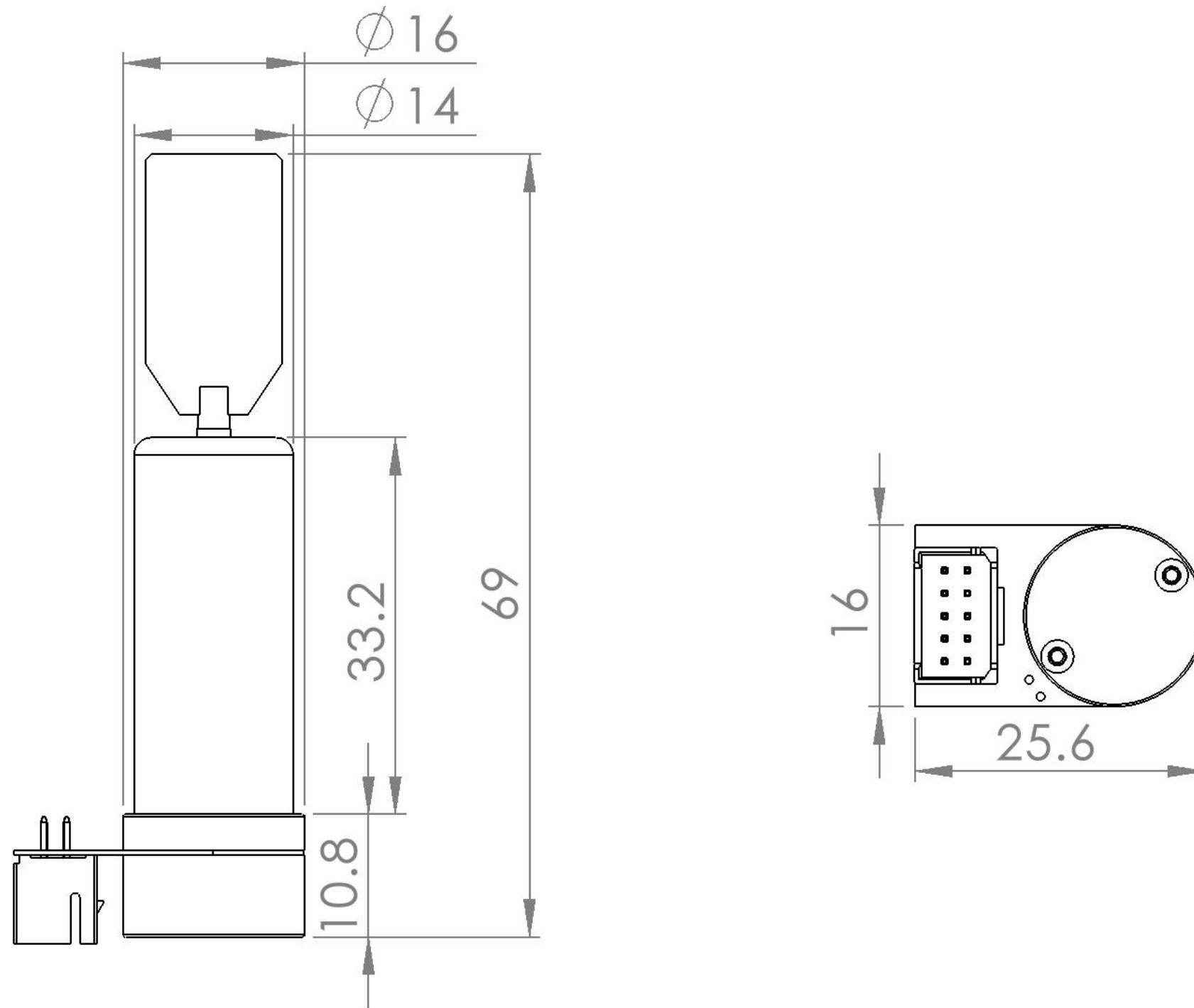
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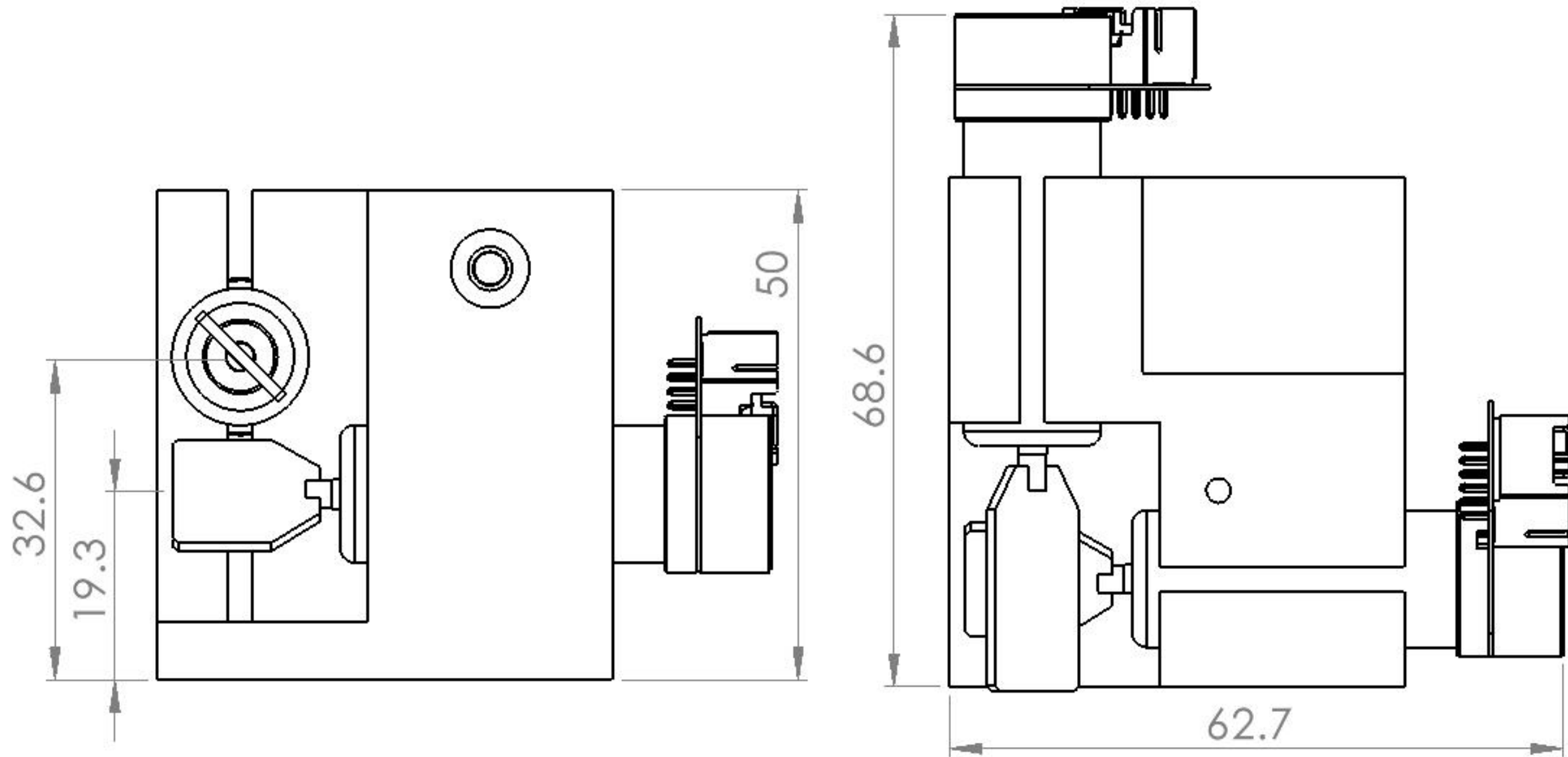
DT30Plus_X_galvo



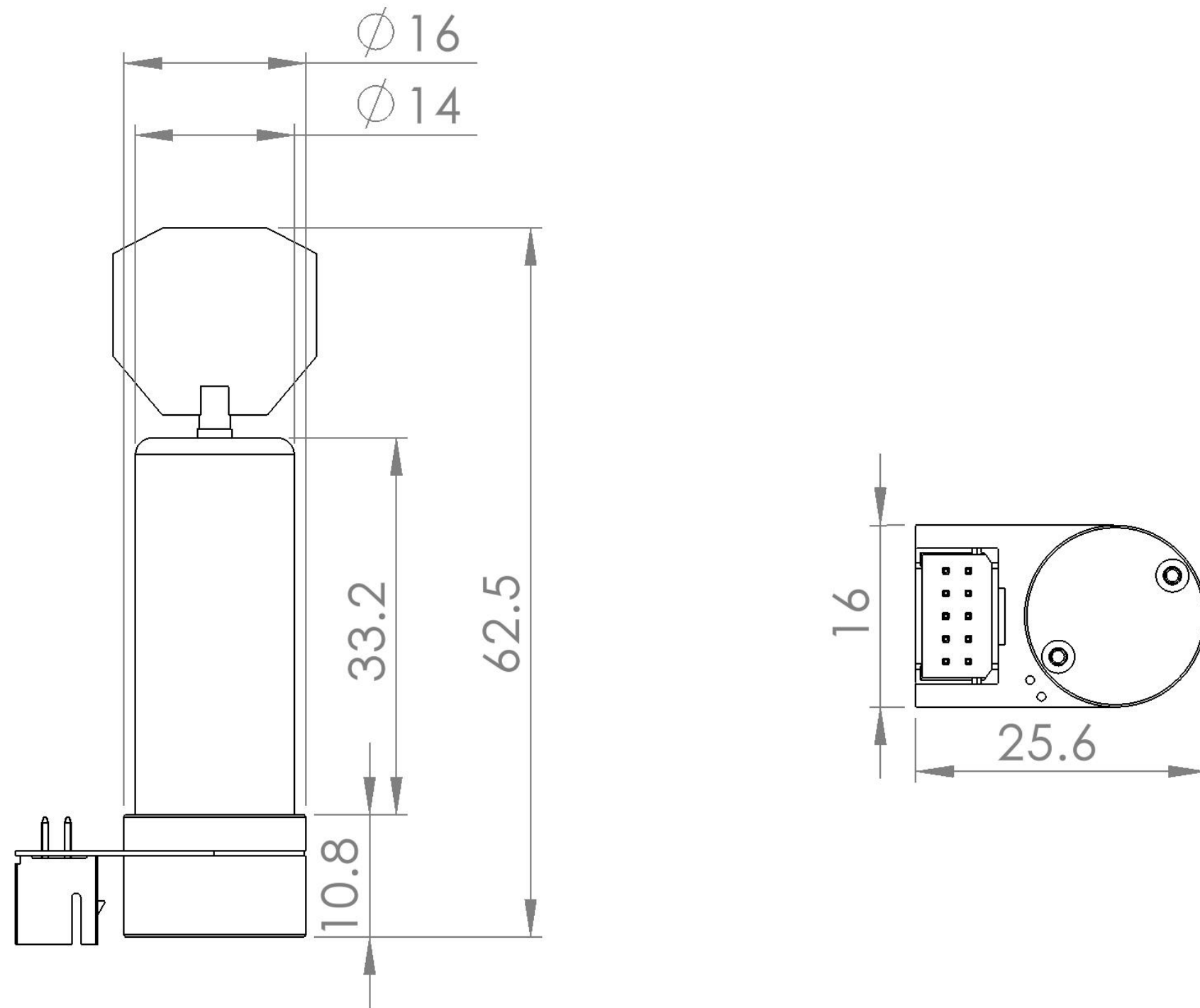
DT30Plus_Y_galvo



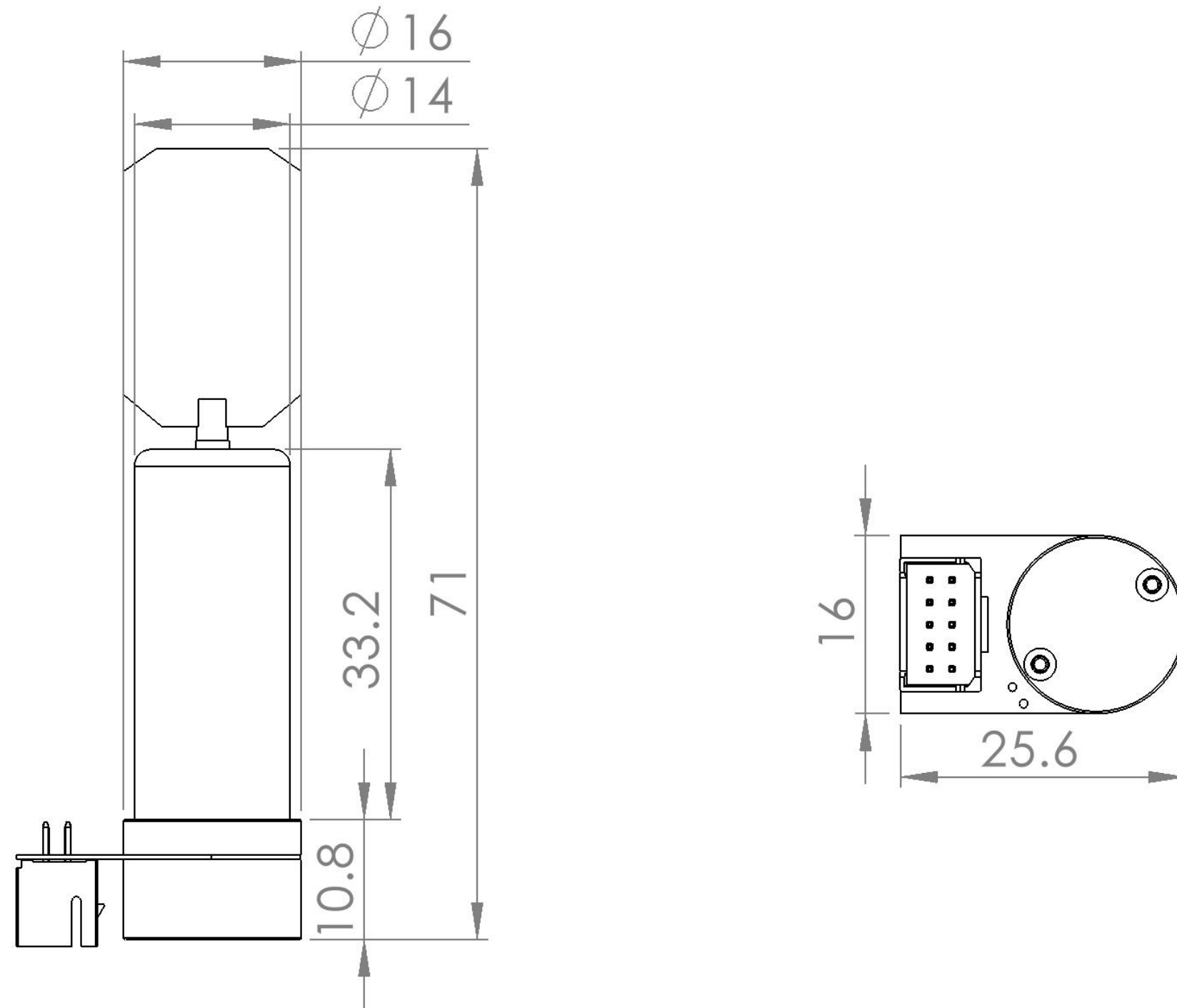
DT30Plus assemble



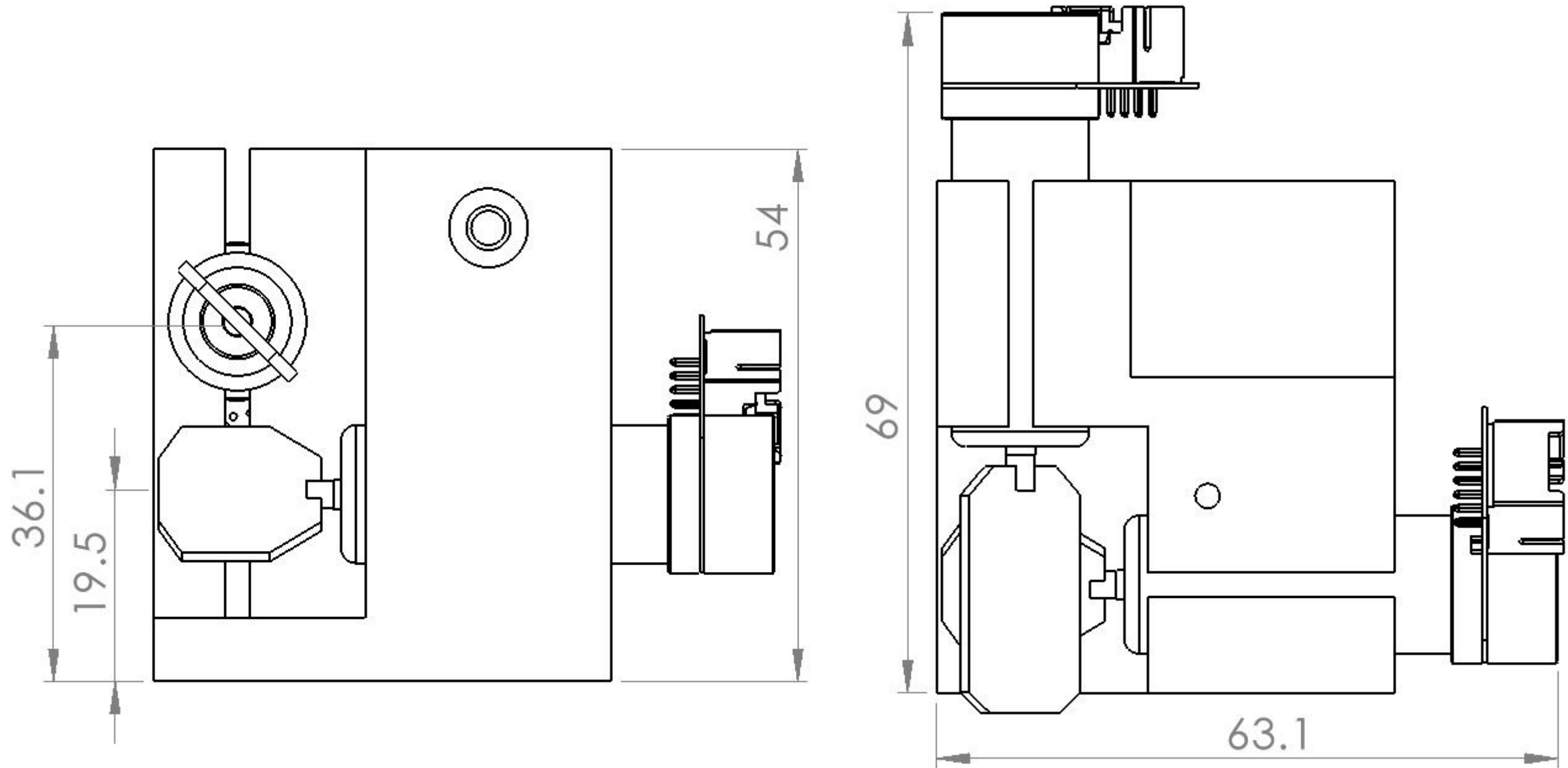
DT30Plus+_X_galvo



DT30Plus+_X_galvo



DT30Plus+ assemble



DT 振镜驱动板系列

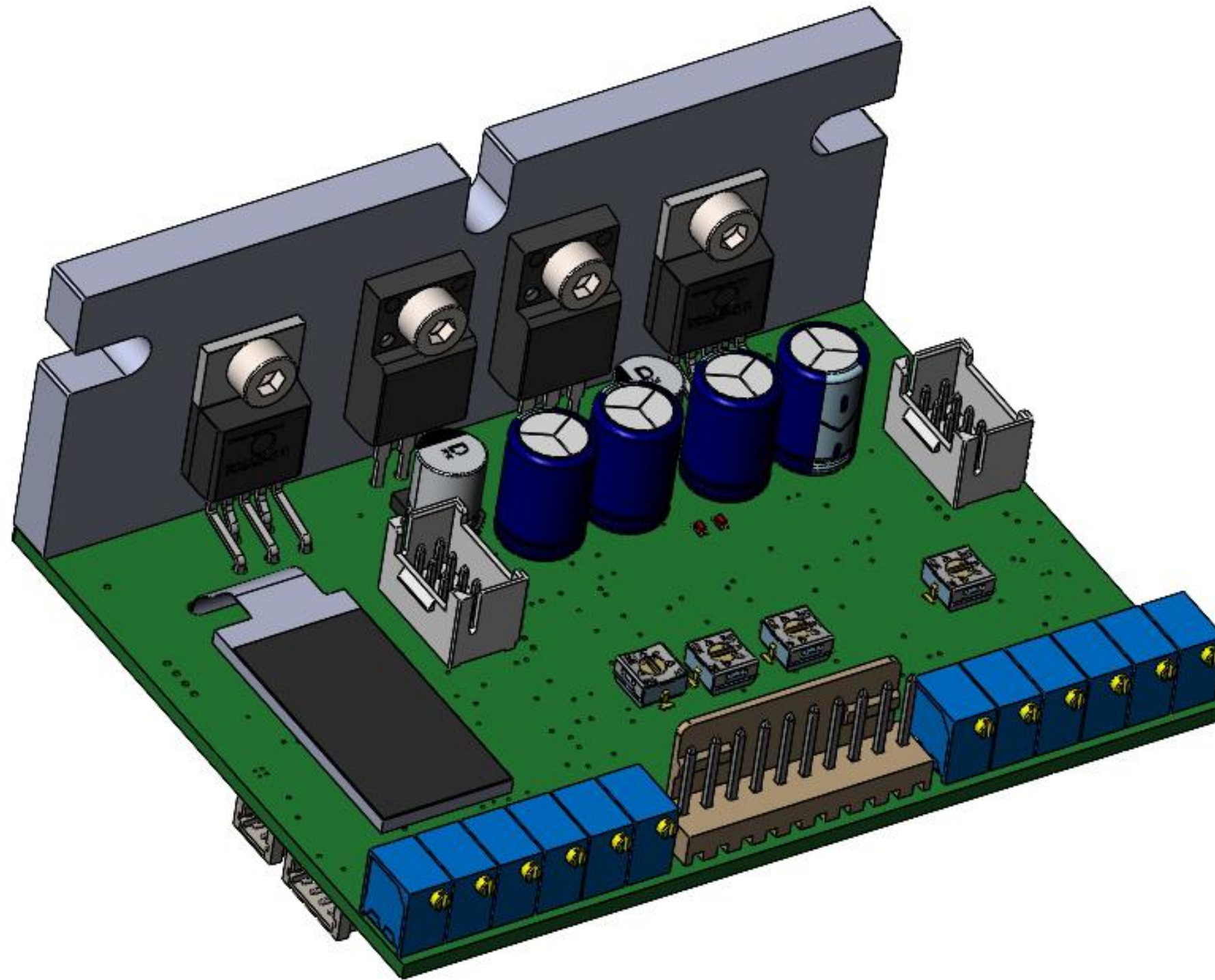
简介：

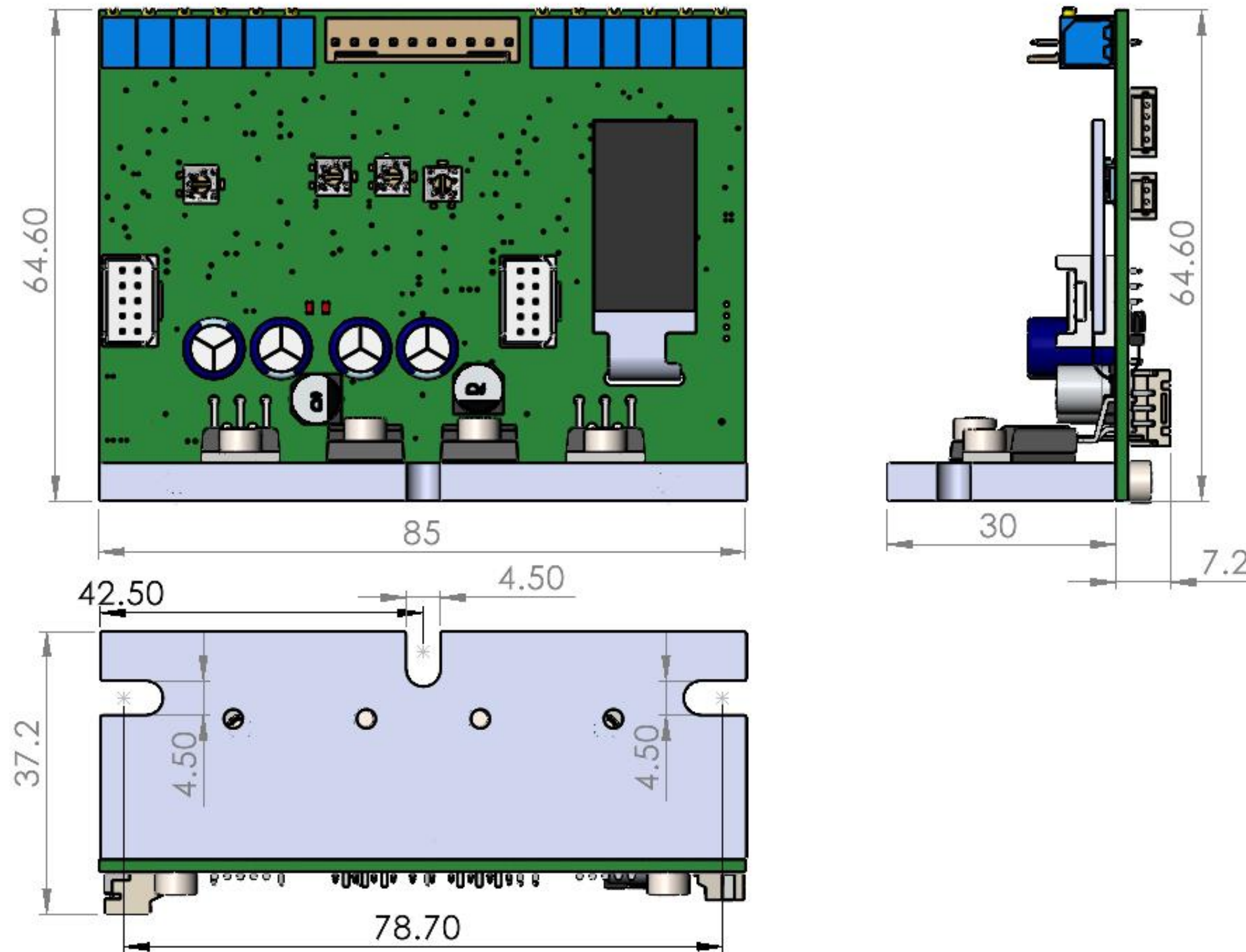
- 1.可适配所有型号振镜电机
- 2.首创数字式振镜保护功能（中国，美国，德国专利）
- 3.板载显示屏可监控设备的工作温度和工作状态
- 4.六层线路板，抗干扰强，工作稳定
- 5.保护触发闭光控制

	尺寸 (mm)	重量 (g)	供电电压 (V)	适配所有 电机	温度检测及保护	板载数据显示屏	电机电缆 (mm)
双通道驱动板	85*65*37	81	±24	√	√	√	200/400
单通道驱动板	45*45*27	34	±24	√	×	×	200/400

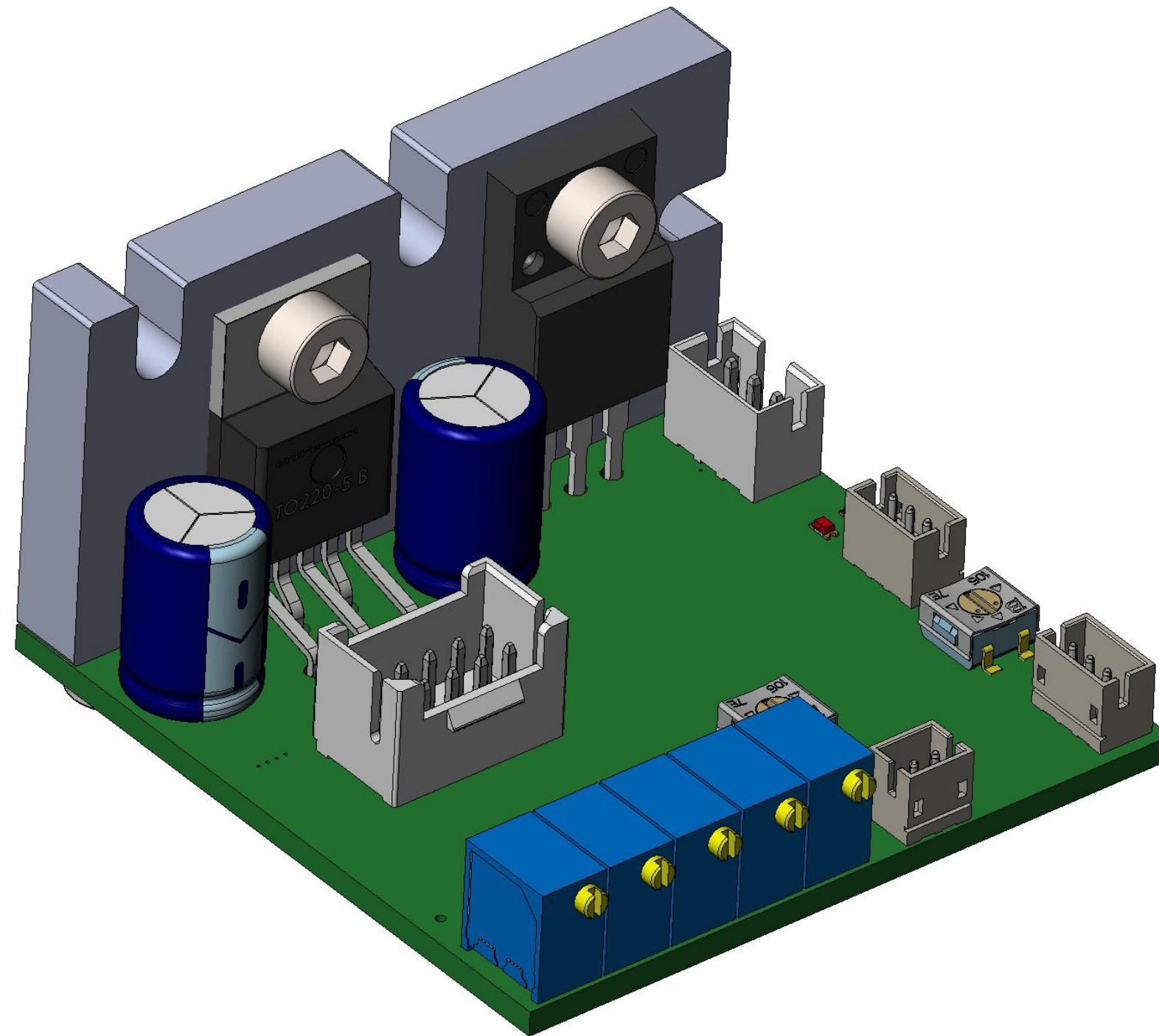
*可定制电机连接电缆长度，我们曾经定做最长的电机电缆是 9 米，振镜工作很稳定没有异常

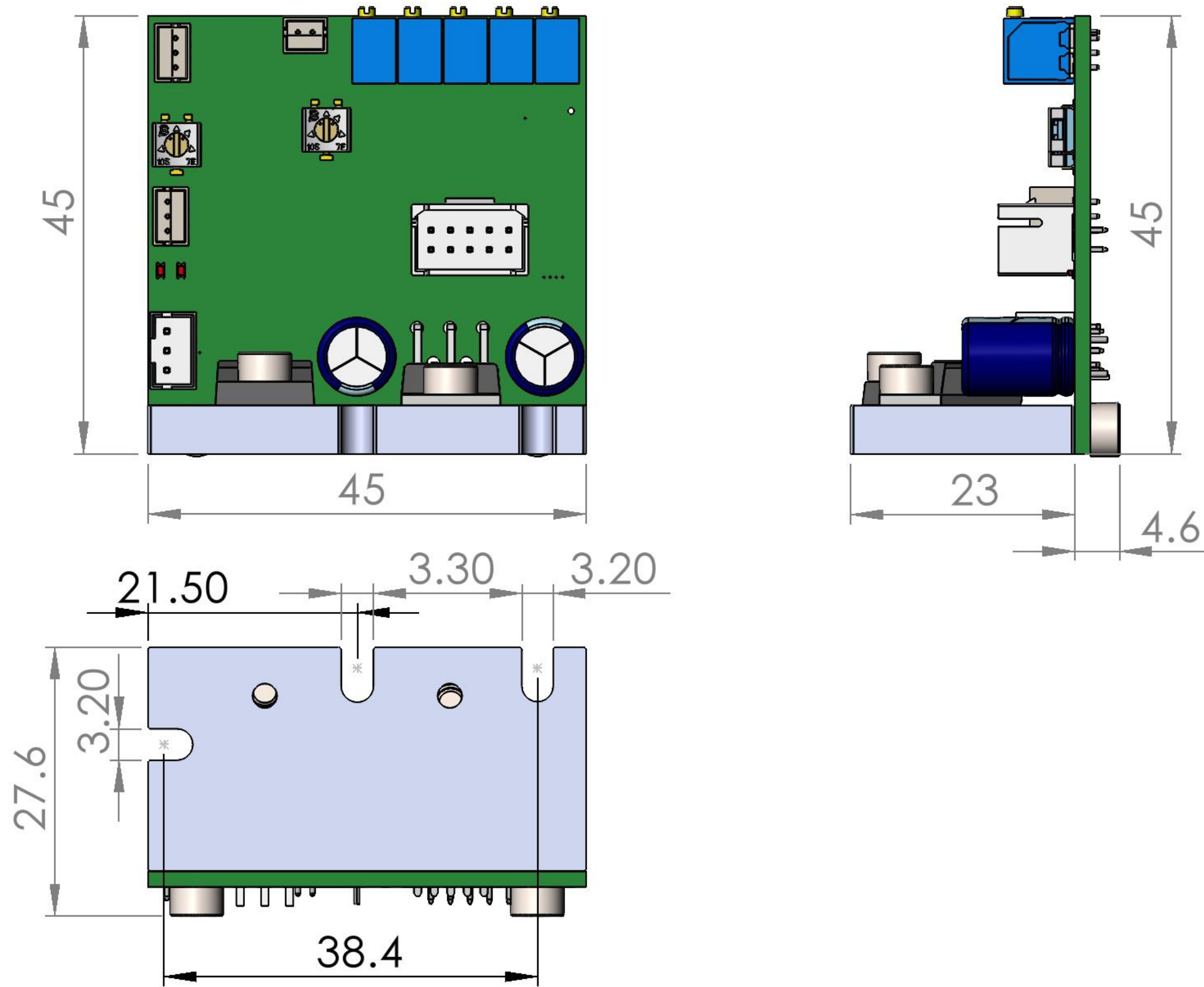
双通道驱动板





单通道驱动板





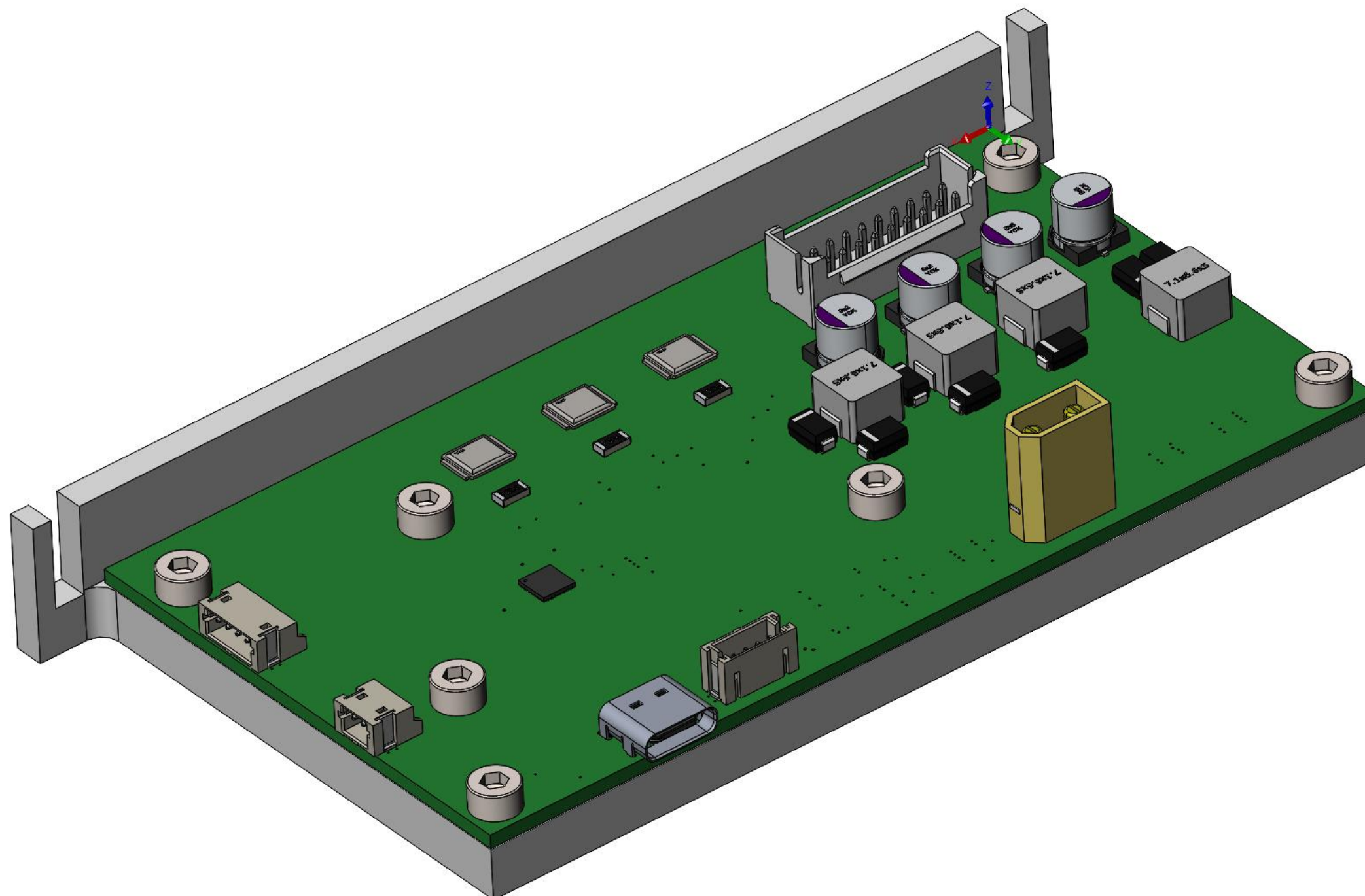
DT 激光器驱动板系列

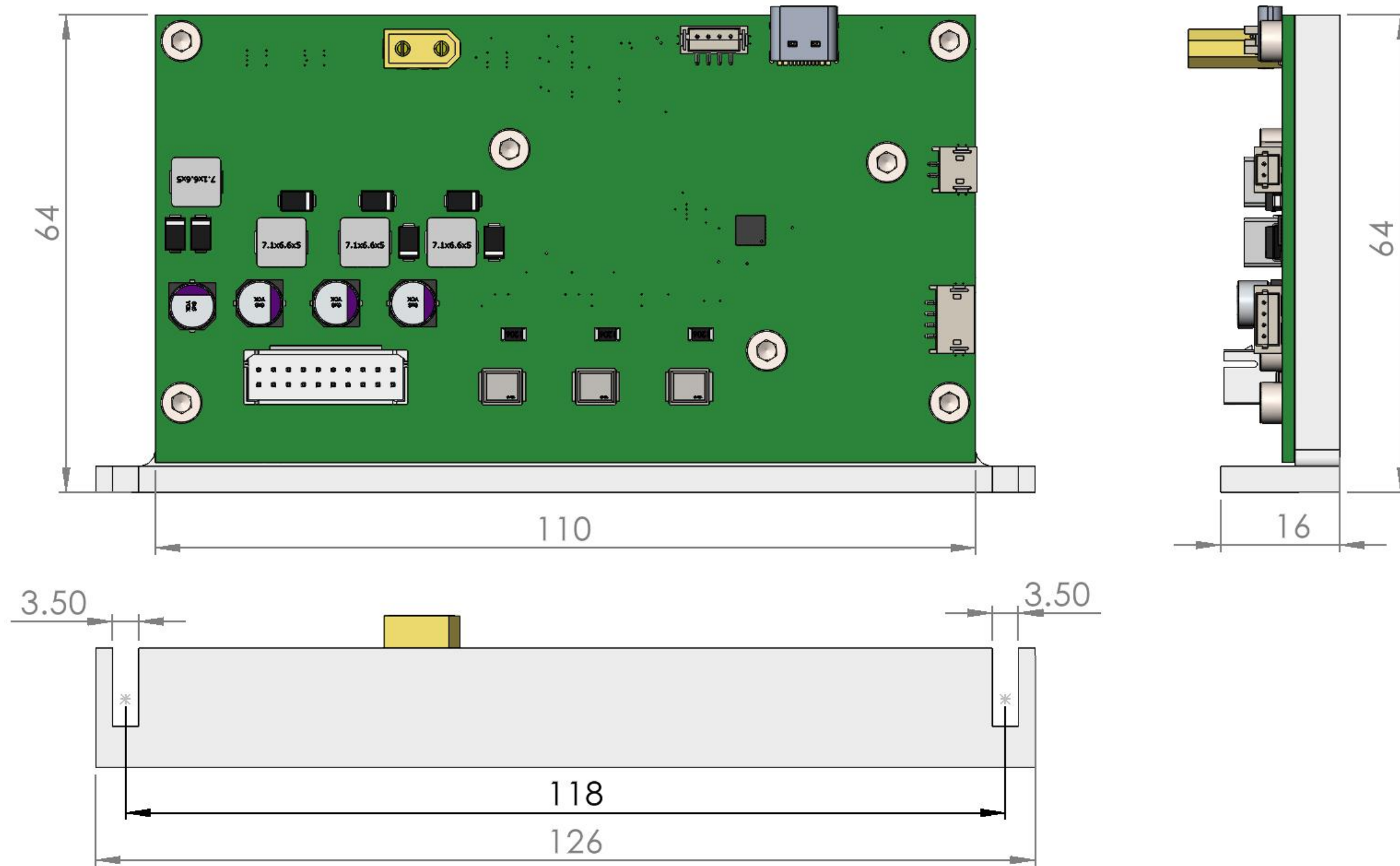
简介：

- 1.首创数字化激光驱动，电流，电压，开光及闭光数字化调节
- 2.高速，高精度调制
- 3.转换效率高，发热量低
- 4.最低 1%亮度可视
- 5.1-100%亮度调节不偏色，线性好
- 6.设置参数保存和写入，批量生产效率高，无需专业培训即可调整到完美
- 7.体积小，安装及接线简单
- 8.一体化多通道制冷，精准恒温
- 9.高速处理器实时监控驱动板工作状态
- 10.对于过载和异常状态有完善的保护机制

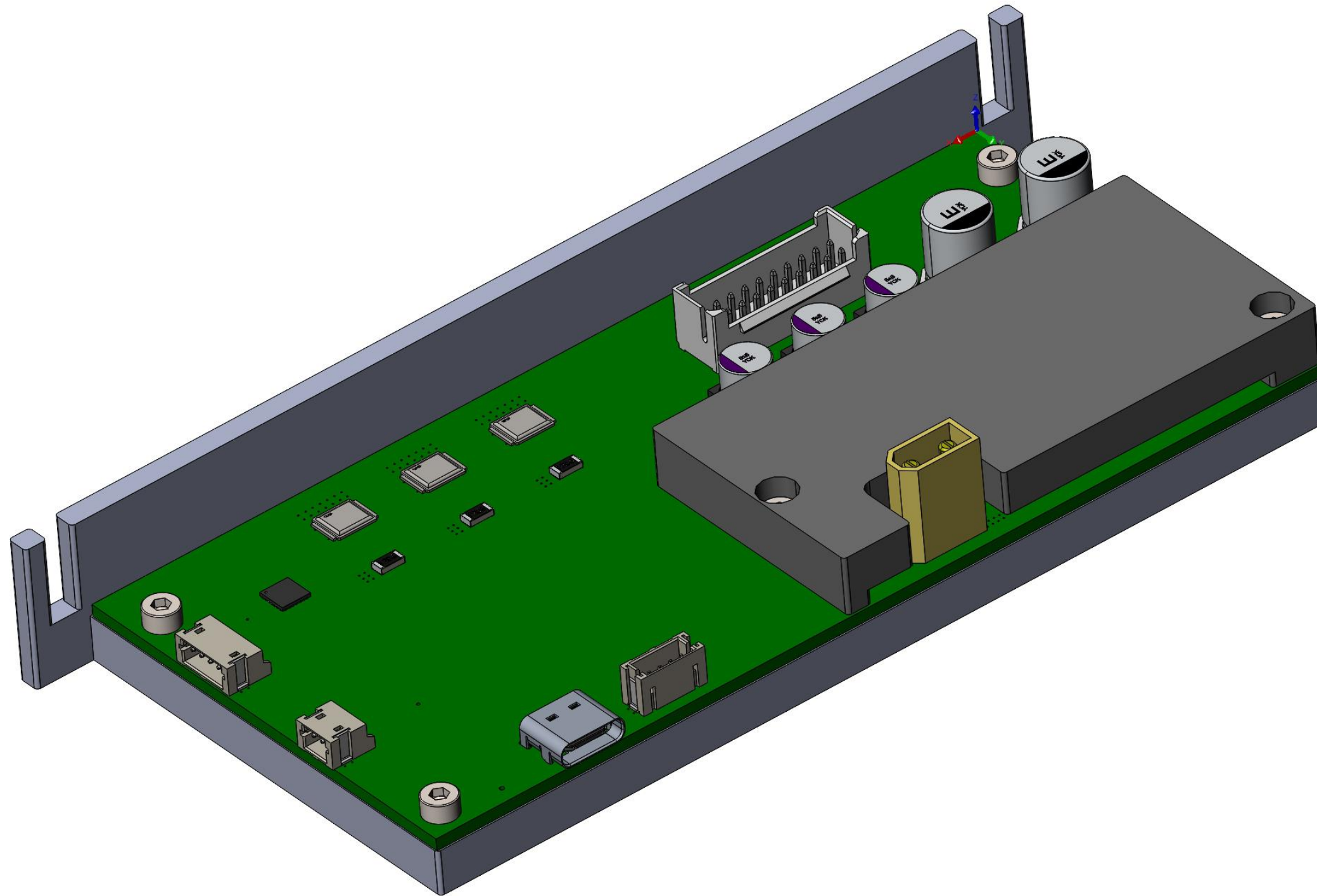
	Size (mm)	Weight (g)	Supply Voltage (V)	Modulation Frequency (KHz)	Color Channels	Color Voltage Range (V)	Color Current Range (A)	Tec Channels	Tec Power (W)
5W-10W	110*63.5*19	175	24	200	3	0.8-22.5	0.2-3.3	1	40/80
12W-20W	125*63.5*19	222	24	200	3	0.8-22.5	0.2-3.3	2	40/80
22W-30W	155*63.5*19	297	24	200	4	0.8-22.5	0.2-3.3	3	40/80

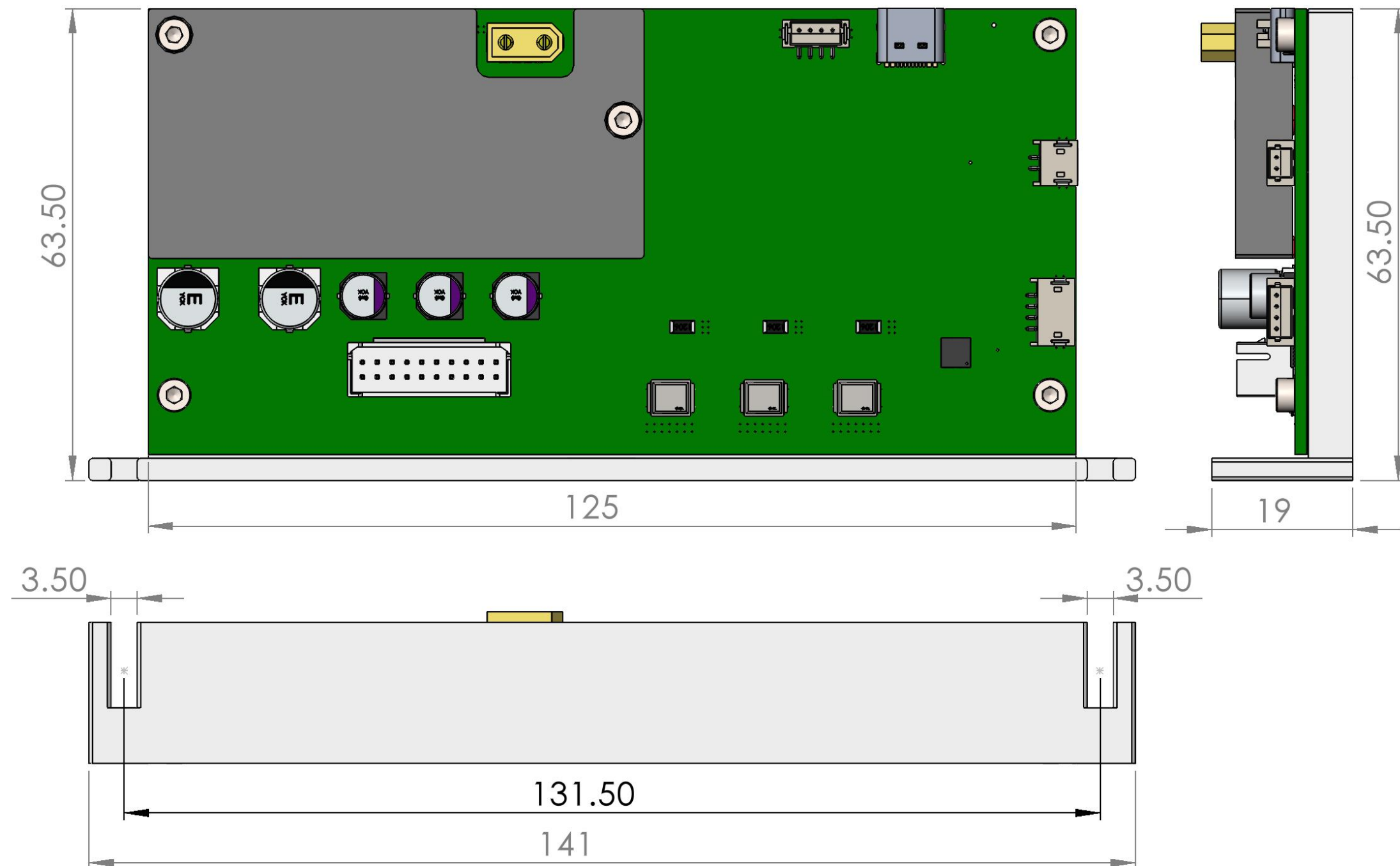
5W-10W 激光驱动板



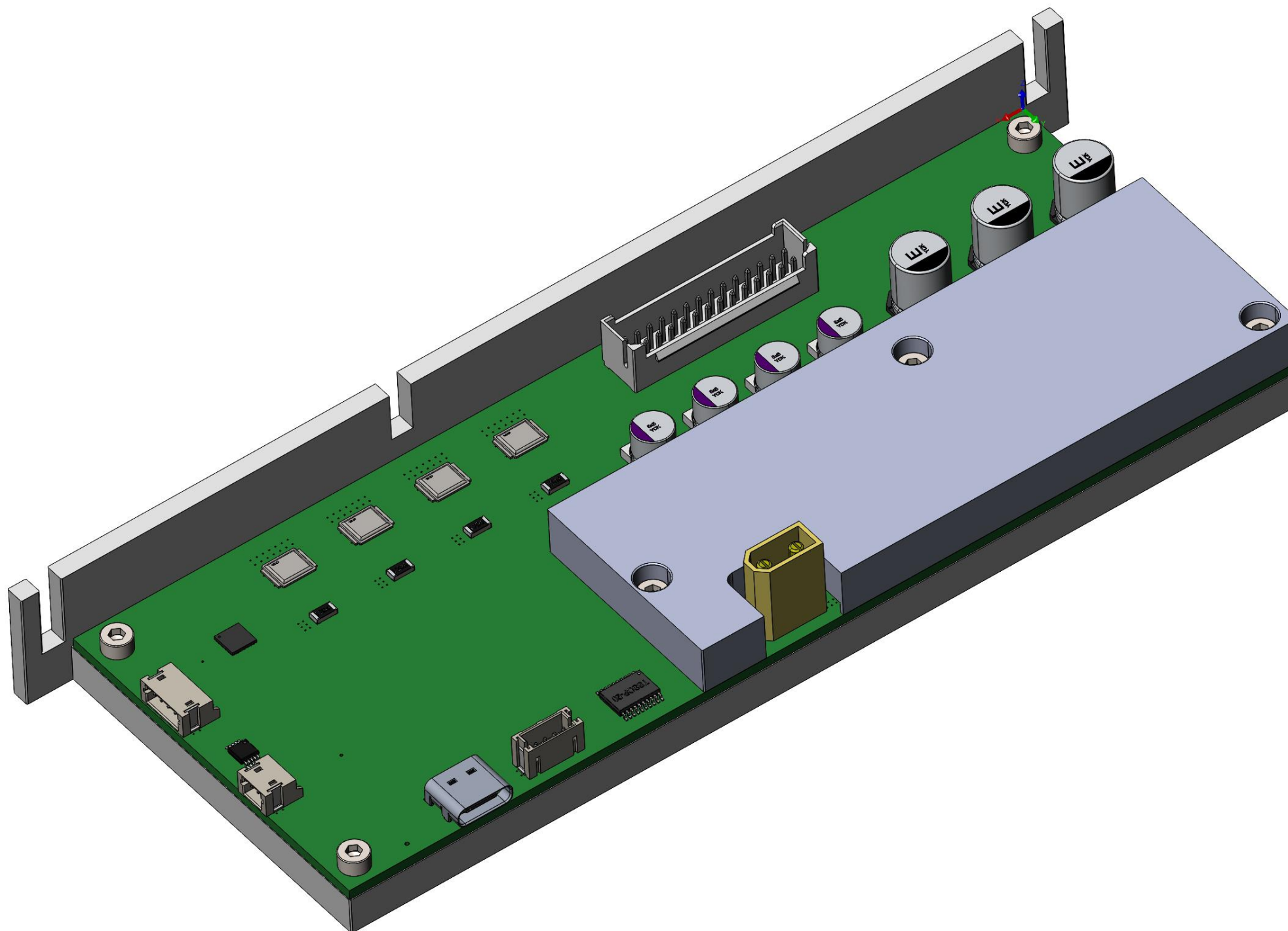


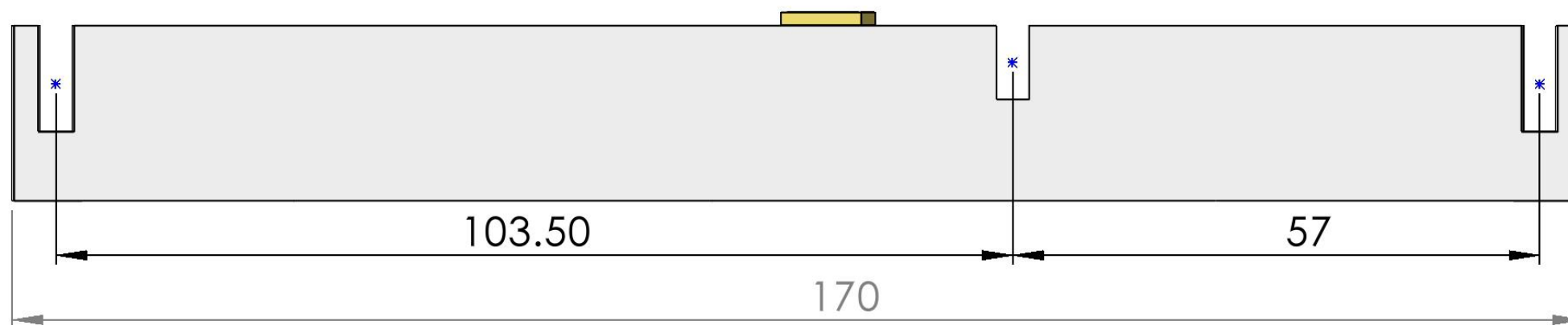
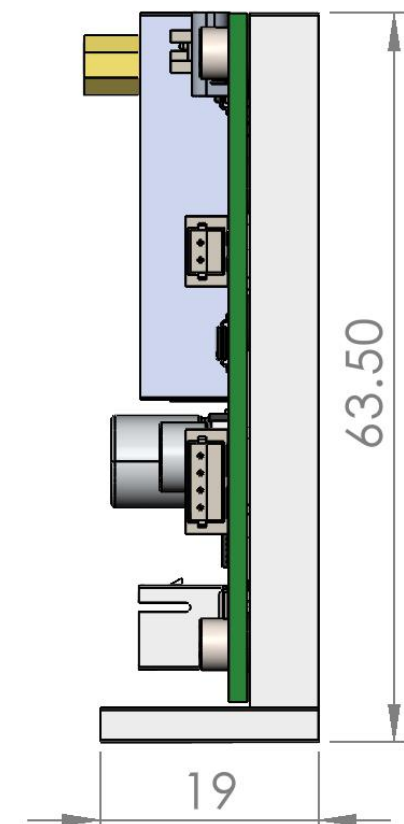
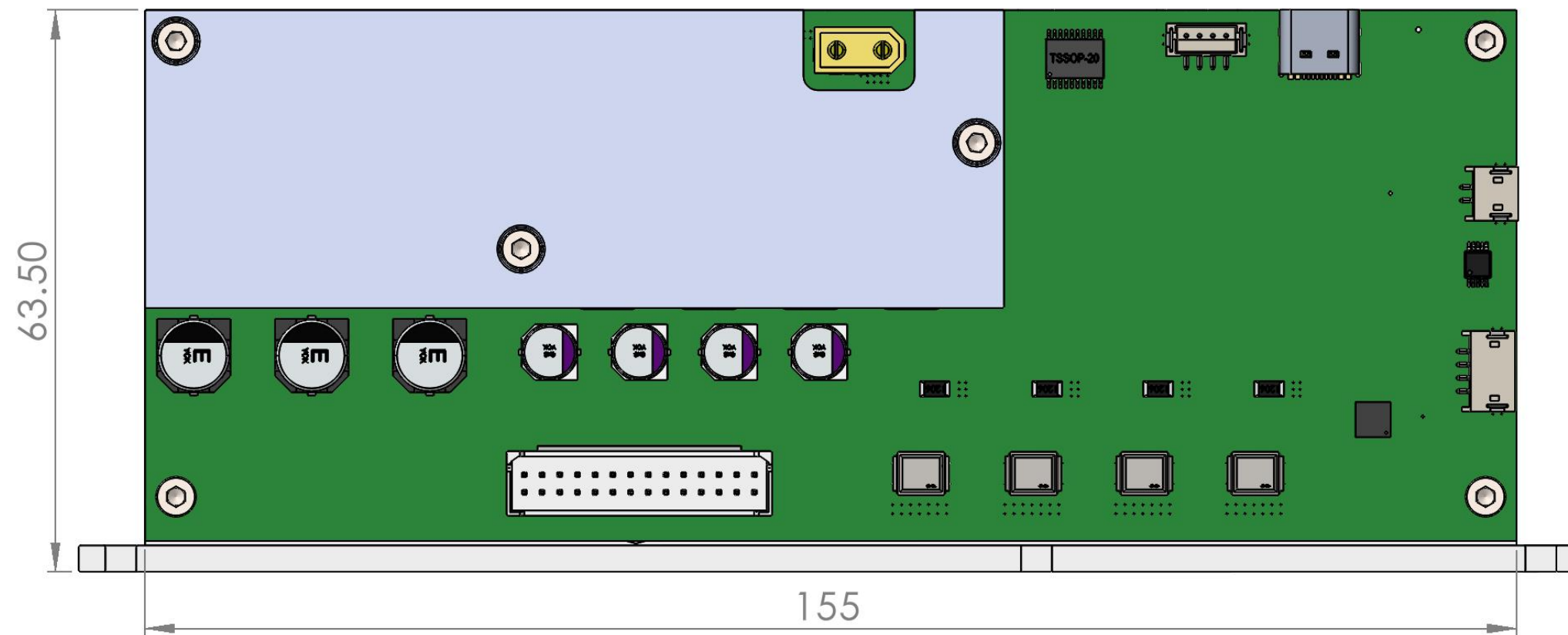
12W-20W 激光驱动板





22W-30W 激光驱动板





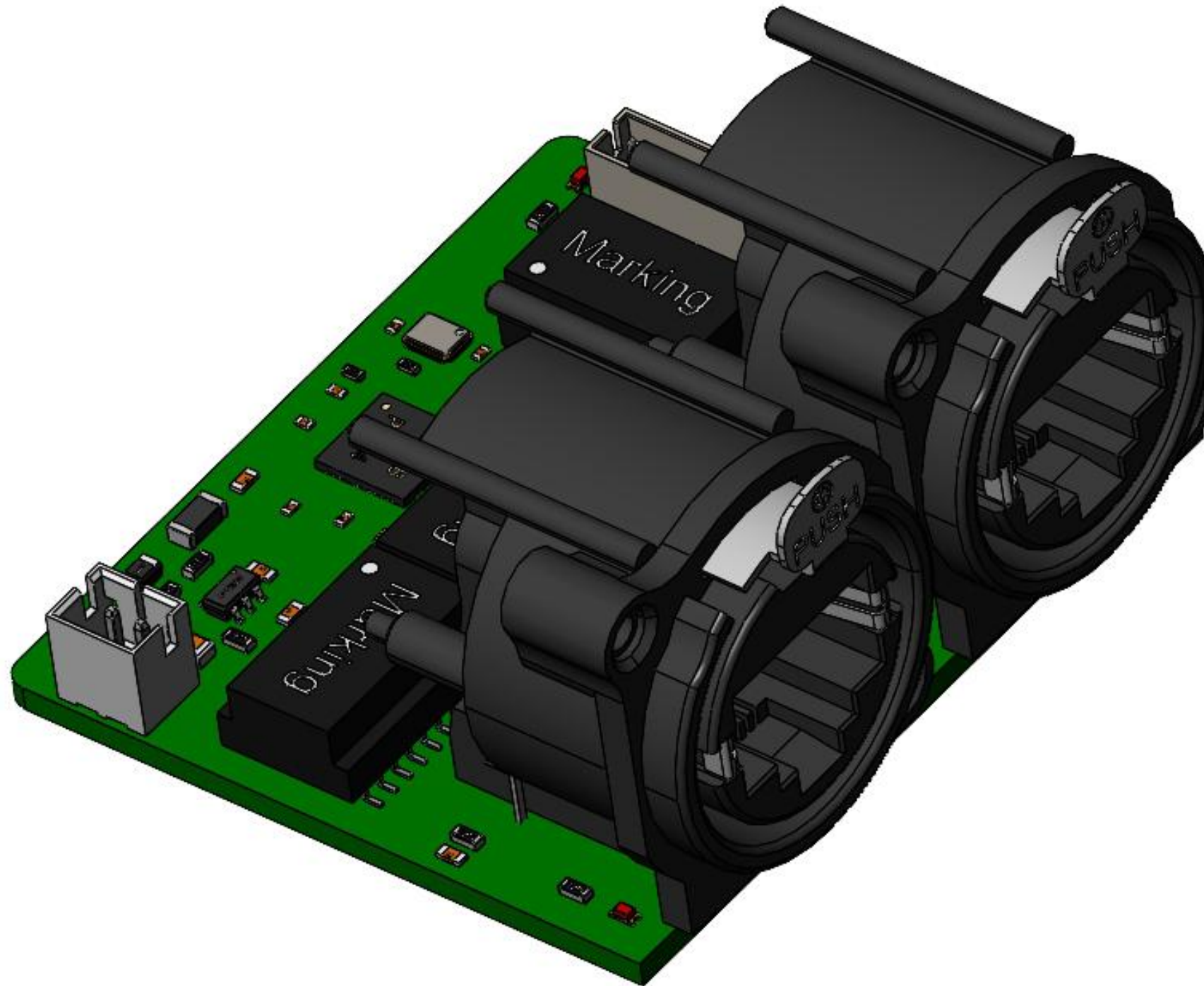
其它配套配件

简介：

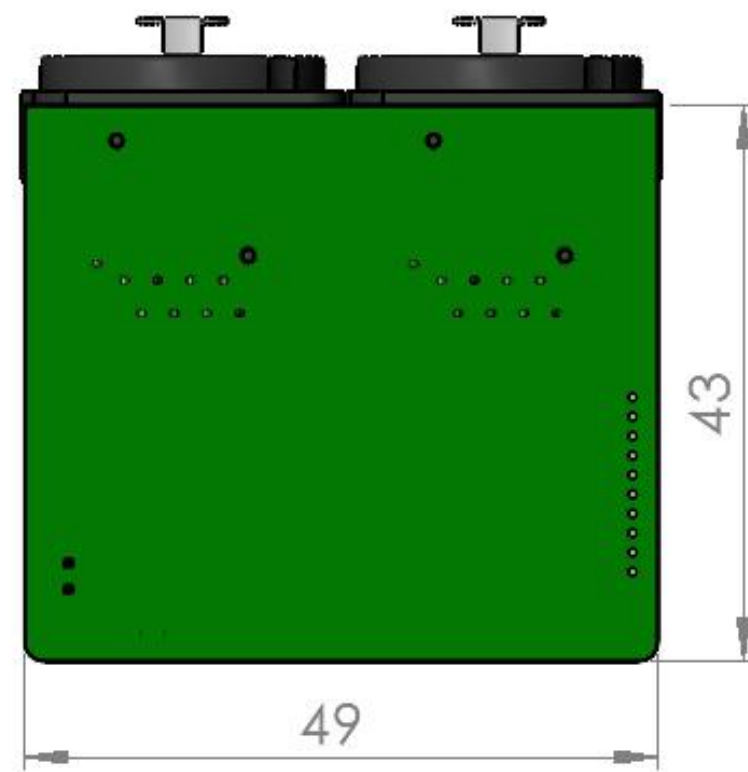
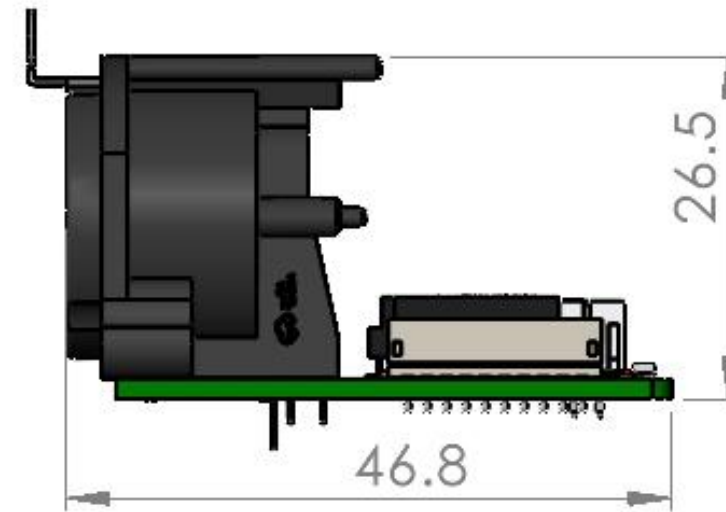
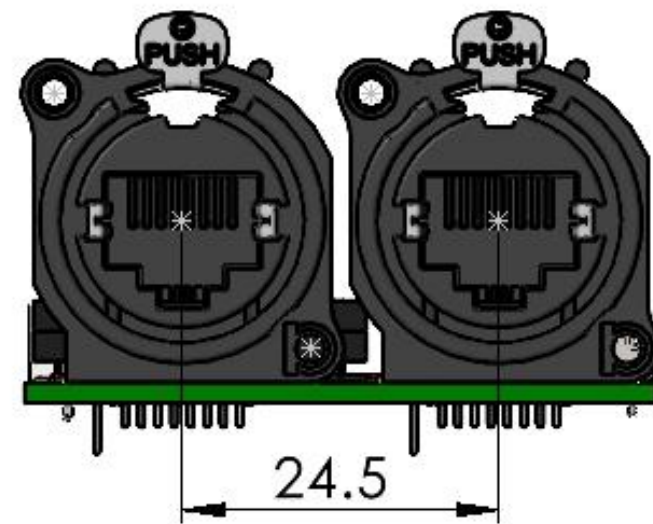
- 1.100M，1000M 交换机，兼容 FB4，即插即用
- 2.宽电压供电，低功耗，发热量低
- 3.连接稳定，抗干扰强

	Supply Voltage (V)	Weight (g)	Size (mm)	Max Power Consumption (W)	Maximum Number of Online (set)
100M switch	8-24	25	49*43*26.5	<1.5	10-12
1000M switch	8-24	30	49*49.8*26.5	<1.5	18-20

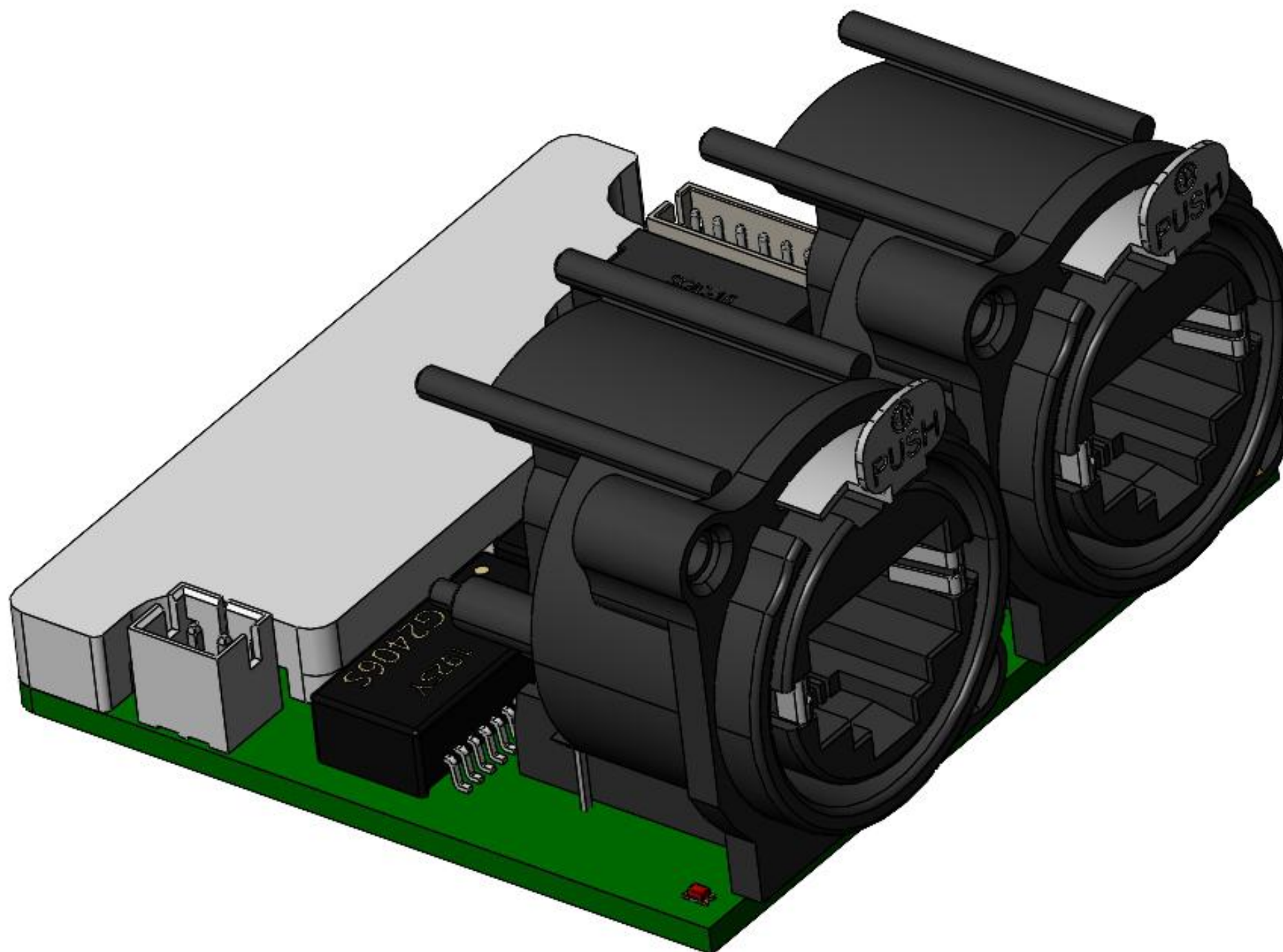
100M 交换机



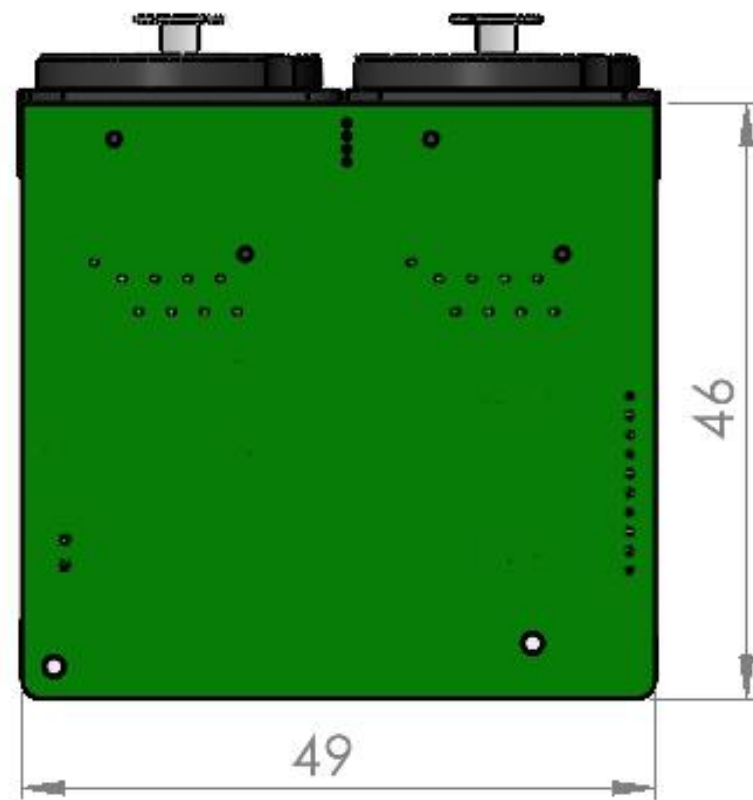
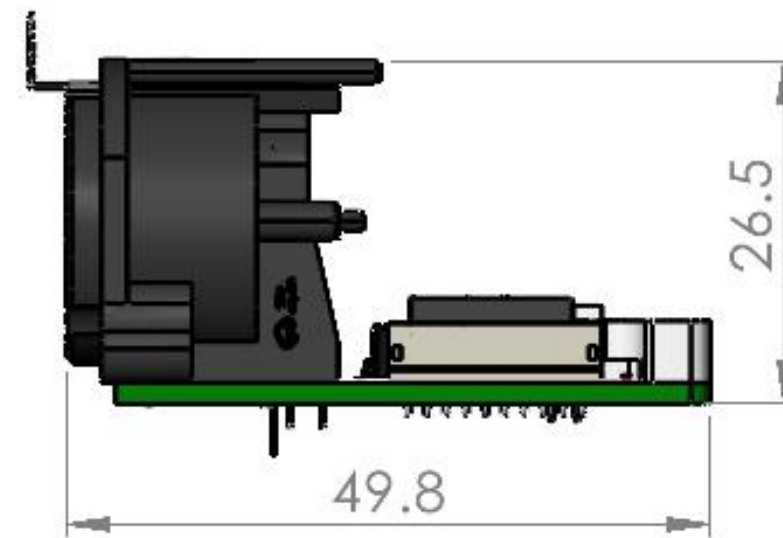
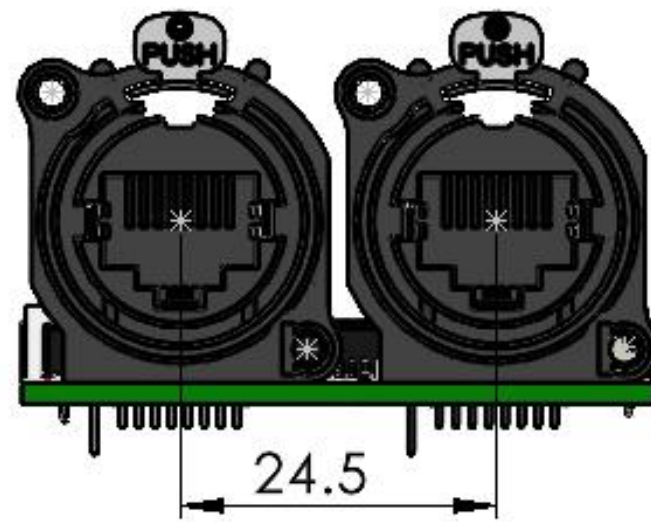
100M 交换机



1000M 交换机



1000M 交换机



1.振镜电机，驱动板三维设计文件及说明书下载

<http://dtscanner.cn/en/suportsen>

2.激光驱动调试教程

https://drive.google.com/file/d/1FXsrQmL6obg8txOGw8IA1sbFG9BznL5p/view?usp=drive_link