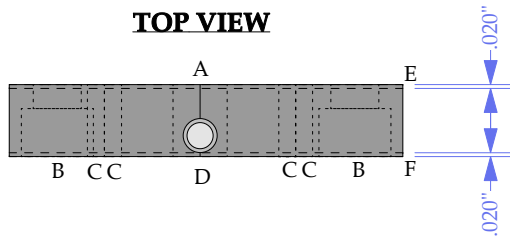
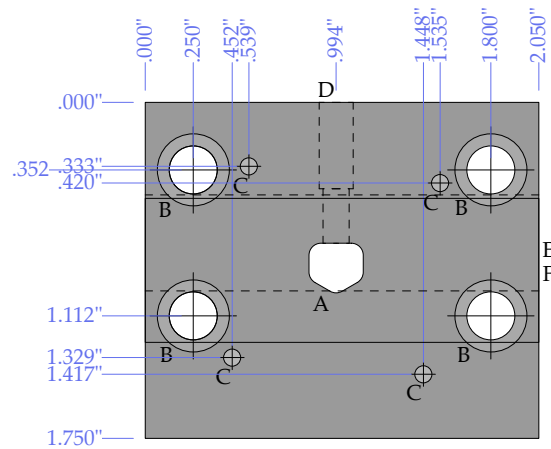


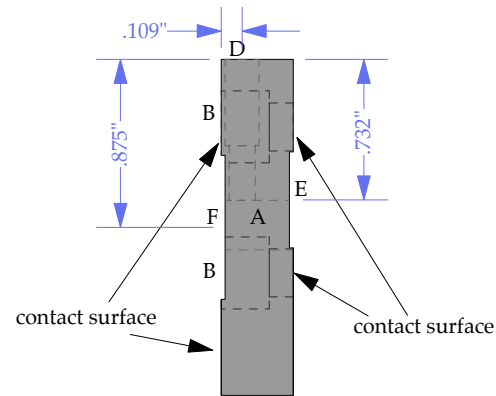
### TOP VIEW



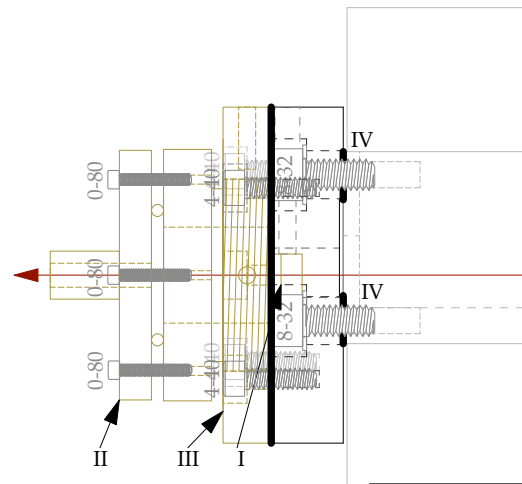
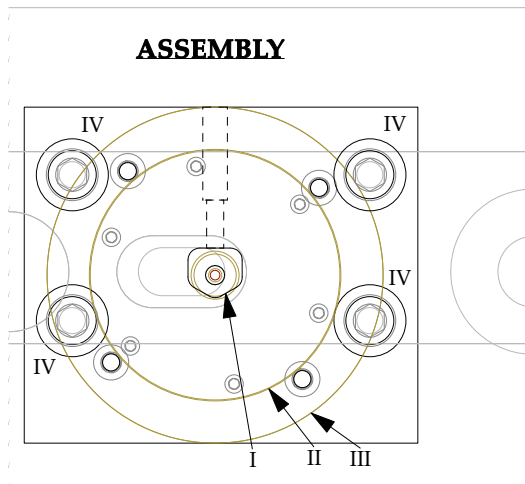
### FRONT VIEW



### SIDE VIEW



### ASSEMBLY



### NOTES:

- Cavity thru piece, corner fillets  $\varnothing 0.125$ "
- 8-32 clearance, extra loose fit ( $\varnothing 0.250$ " ), with loose counterbore  $\varnothing 0.375$ ", 0.250" deep (screw requires a 0.310" outer diameter washer for assembly). (x4)
- 4-40 tapped through part (x4, located on square side length 1" rotated 5 deg clockwise). Holes not included in side view for clarity.
- 8-32 clearance, free fit, to 0.450" deep, then 8-32 tapped through to cavity A.
- 0.500" wide relief cut, 0.020" deep. On back of part and centered as shown.
- 0.750" wide relief cut, 0.020" deep. On front of part and centered as shown.

### PERIPHERALS:

- OFR tablet optical isolator, Thorlabs P/N IO-D-780-VLP
- Fiber coupler assembly: tilt plate with FC connectorized fiber port, Oz Optics P/N
- Fiber coupler assembly to laser head adapter Oz Optics adapter #15.
- 8-32 x 0.375" ss socket-head cap screw, w / narrow profile ( $\varnothing 0.310$ " OD) washer.

### ADDITIONAL NOTES:

- Material is 6061-T6 aluminum. Starting block is 1.75" x 2.05" x .375".
- Standard tolerance is 0.005" unless otherwise noted.
- Surfaces marked "contact surface" must be made very flat (finishing pass with end mill, as little chatter as possible, lapped).

## UNIBODY LITTROW LASER -- CAVITY-COUPLER ADAPTER I