

# Deformable Mirrors Correct Optical Distortions

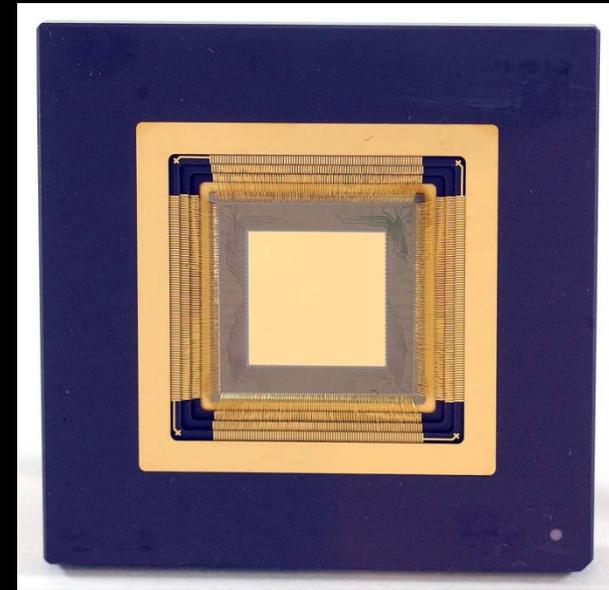


*Jet Propulsion Laboratory*

*Boston Micromachines Corporation  
Cambridge, Massachusetts*

## Originating Technology/NASA Contribution

- ◆ NASA's Terrestrial Planet Finder instrument will combine the high sensitivity of space telescopes with new imaging tools employing adaptive optics
- ◆ To this end, NASA is exploring uses for deformable mirror (DM) technologies



## Partnership

- ◆ Through Small Business Innovation Research (SBIR) contracts, the company created a microelectromechanical (MEMS) DM
- ◆ The company claims the SBIR program accelerated the development of the technology by years

## Product Outcome

- ◆ The company now features a full product line of MEMS DMs providing image correction for astronomical imaging
- ◆ Observatories around the world employ the technology
- ◆ The DMs are applied for laser communications and microscopy for medicine and biotechnology