



T10: Color Sensing Infinity Mirror (Level-1 system view)	
Brief Description	System responds to color of ambient light input by generating a corresponding color LED output and selects a single audio tone from a bank of six corresponding audio sequences that are assigned a range of color.
Inputs	Light intensity reading: $\lambda = 300 - 1100\text{nm}$ Power: 5VDC 12W
Outputs	LED emission: RGB color corresponding to light intensity input Audio output: Tone sequence corresponding to light intensity input