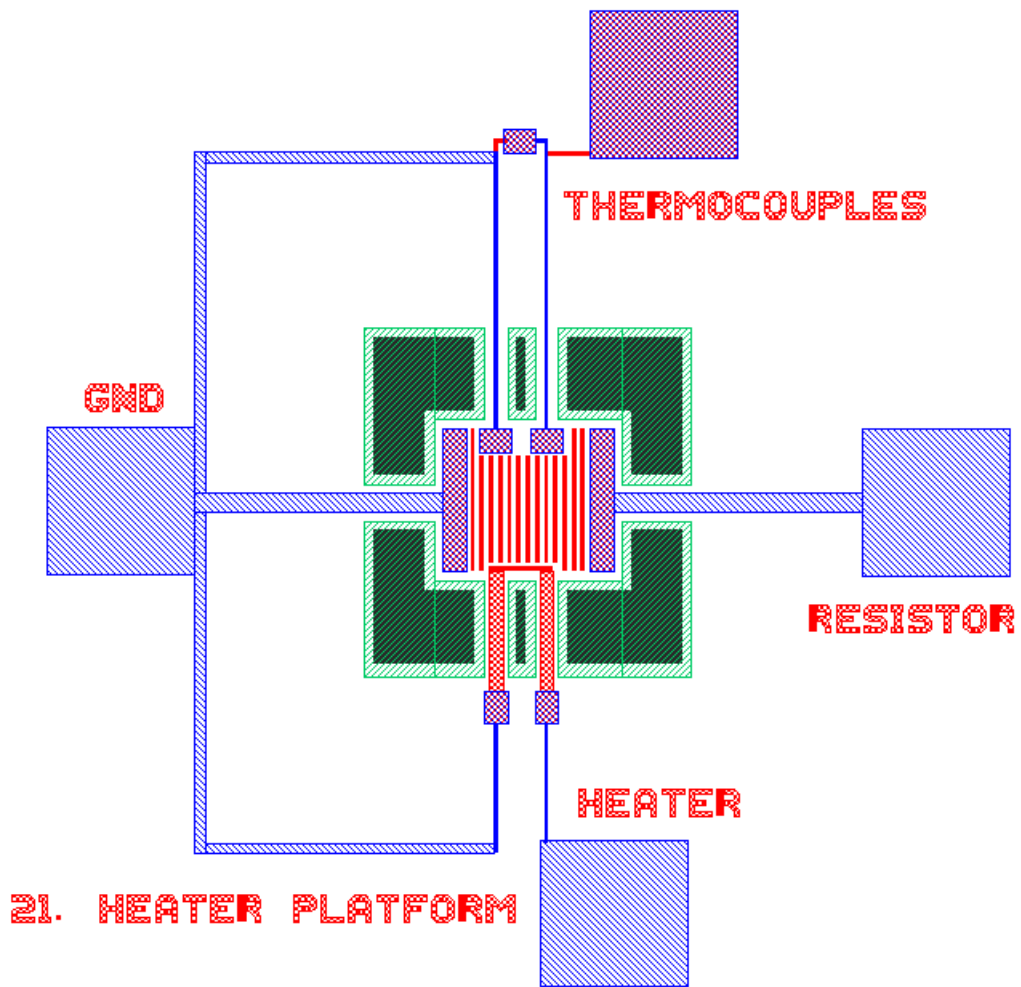


MEMS Heater Platform

Close-ups are available of [thermopile](#) and center of [heat platform](#).

Important Details

- 3 embedded instruments: heater, thermopile, & sensing resistor
- Heater
 - Poly-Si Line:
 - $W = 4 \mu\text{m}$
 - $L = 4 + 116 + 4 + 92 + 4 + (8 * 84) + (7 * 4) + 4 + 92 + 4 + 116 + 4 \mu\text{m}$, Plus 26 corner squares
 - Platform Area: $140 \times 164 \mu\text{m}$ (determined by ACTV mask)
- Thermopile
 - 2 series Al/Poly-Si thermocouples
 - Poly-Si Lines (total): $W = 4 \mu\text{m}$, $L = 248 \mu\text{m} + 1 \text{ corner} + 4 \mu\text{m} + 236 \mu\text{m} + 1 \text{ corner} + 36 \mu\text{m}$
- Sensing Resistor
 - Poly-Si Line:
 - Segment A: $W = 12 \mu\text{m}$, $L = 108 \mu\text{m}$
 - Segment B (on heat platform): $W = 4 \mu\text{m}$, $L = 32 \mu\text{m}$
 - Segment C: $W = 12 \mu\text{m}$, $L = 108 \mu\text{m}$
- Width of ACTV-CONT lip = $8 \mu\text{m}$



Masks:	 ACTV	 POLY	 CONT	 METL
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