

U GCG 18.1

Reference

1

COM

$R_{Th} = 0\Omega$

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LED: Red

3

$\langle R_{Th}$

R_d

D

$i_{LED}^* = \frac{\langle v_{Th} - 1.5V}{\langle R_{Th} + R_d}$

*LED on if $\langle v_{Th} > 1.5V$

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Reference

2

COM

$R_{Th} = 0\Omega$

U GCG 18.1

LED: Green

4

$\langle R_{Th}$

R_d

D

$i_{LED}^* = \frac{\langle v_{Th} - 1.5V}{\langle R_{Th} + R_d}$

*LED on if $\langle v_{Th} > 1.5V$

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Voltage Reference

9

$G = \frac{R_b}{R_a + R_b}$

$R_{Th} = R_a \parallel R_b$

$R_{pot} = R_a + R_b$

V_{CC}

R_a

R_b

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4

U GCG 18.1

Voltage Reference

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$G = \frac{R_b}{R_a + R_b}$

$R_{Th} = R_a \parallel R_b$

$R_{pot} = R_a + R_b$

V_{CC}

R_a

R_b