


The following specifications have changed in the **LTC<sup>®</sup>1421** data sheet as indicated in **Bold**. All other specifications remain unchanged. For complete specifications, typical performance characteristics and applications information, please see the **LTC1421** data sheet.

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## ELECTRICAL CHARACTERISTICS

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
<b>DC Characteristics</b>						
$\Delta V_{\text{GATEHI}}$	GATEHI N-Channel Gate Drive	$V_{\text{GATEHI}} - V_{\text{OUTH}}$	<b>6</b>		16	V
<b>AC Characteristics</b>						
$t_5$	PWRGD $\downarrow$ to RESET $\downarrow$	Figure 1, $R_L = 10k$ to $V_{\text{CCLO}}$ , $C_L = 15pF$		<b>32</b>		$\mu s$

## PIN FUNCTIONS

**GATEHI (Pin 17):** The High Side Gate Drive for the High Supply N-Channel. An internal charge pump guarantees at least **6V** of gate drive. The slope of the voltage rise at GATEHI is set by the external capacitor connected between GATEHI and RAMP. When the circuit breaker trips, GATEHI is immediately pulled to GND.

## APPLICATIONS INFORMATION

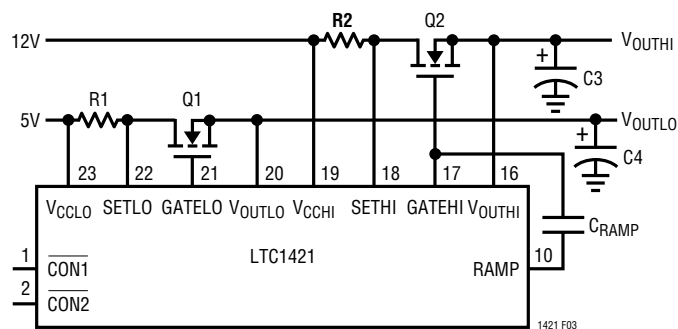


Figure 3. Supply Control Circuitry

For further information regarding this specification notice contact:

Linear Technology Corporation  
1630 McCarthy Blvd.  
Milpitas, California 95035-7417  
Attn: Product Marketing Manager  
Phone: (408) 432-1900