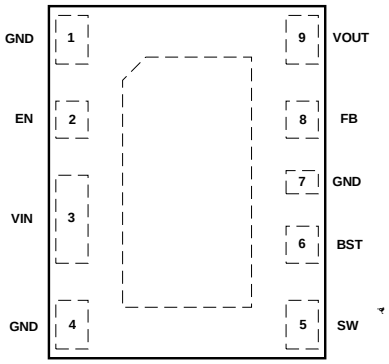
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ORDERABLE DEVICE	PACKAGING TYPE	STANDARD PACK QTY	PINS	PACKAGE DESCRIPTION	MSL
		)))		&	

&

DESCRIPTION	MIN	MAX	UNIT
%	8)		
	8)		
%	&		
)	&		
&	8)		
	8)		
	&)	)	
	&		



&

)

NAME	NO.	PIN FUNCTION
	1, 4, 7	Ground
		Enable logic input. This pin supports high voltage input up to VIN supply to be connected VIN directly to enable the device automatically. The device has precision enable thresholds 1.21V rising / 1.1V falling for programmable UVLO threshold and hysteresis.

& % &

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PARAMETER	DEFINITION	MIN	MAX	UNIT
			)	

% &) %

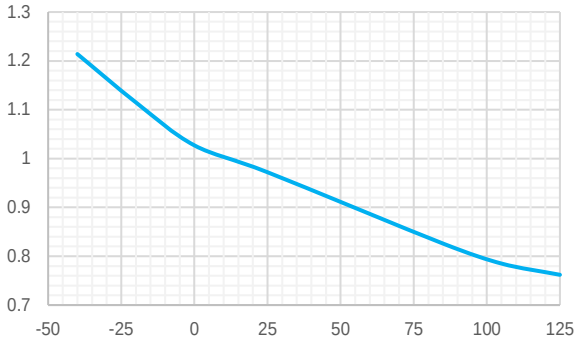
SYMBOL	PARAMETER	TEST CONDITION	MIN	TYP	MAX	UNIT
Power Supply and Output						
					)	

%

%

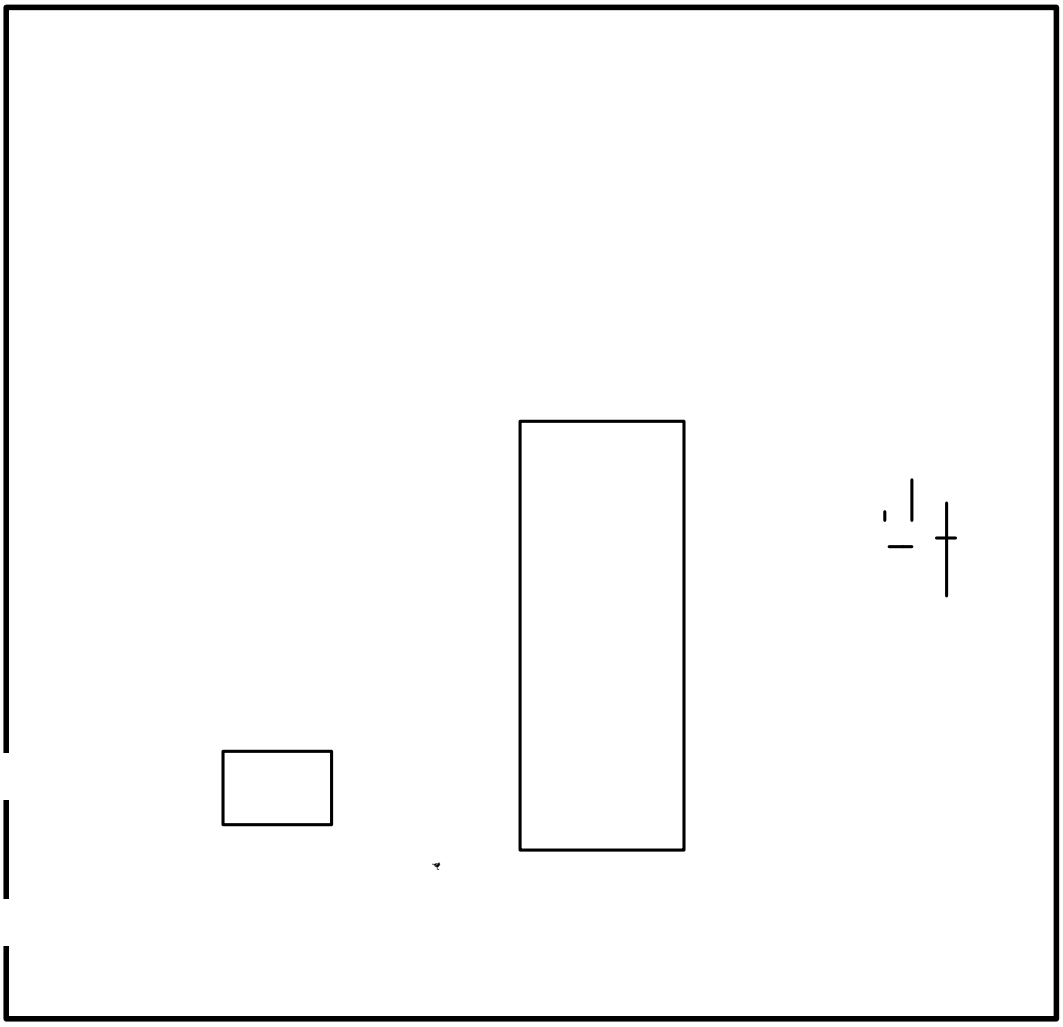
%

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1.3
1.2
1.1
1
0.9
0.8
0.7
-50
-25
0
25
50
75
100
125

%

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Overview

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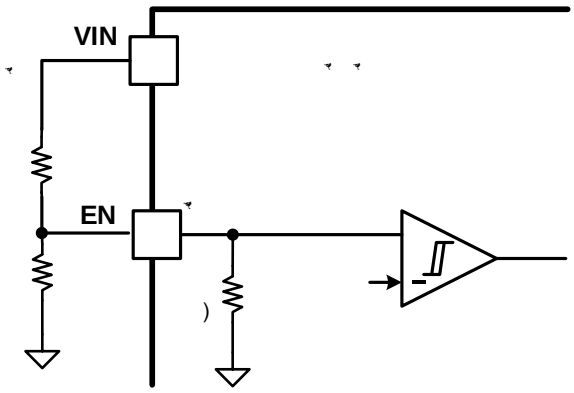
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Output Voltage

)

Peak Current Limit

& &
%
&
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& &
& &

Bootstrap Voltage Regulator

Over voltage Protection

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) % &

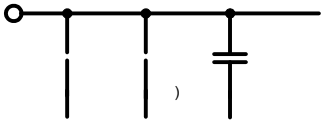
)) % &

Thermal Shutdown

) ° %

°

Typical Application



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Design Parameters

Design Parameters	Example Value
	))

Output Voltage

)

V_{OUT}	R_3	R_4
		)
		)
		)
	)	)
	)	)

- %
)

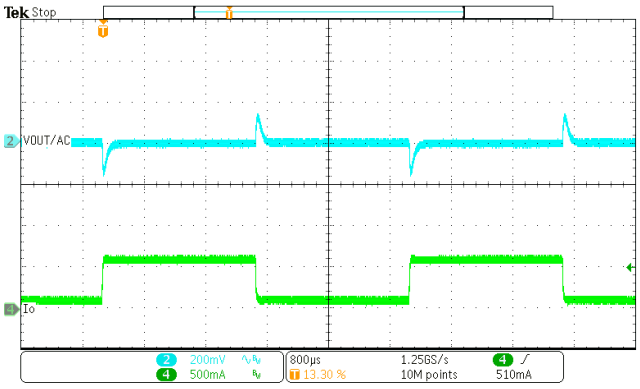
Under Voltage Lock-Out

% %)) &

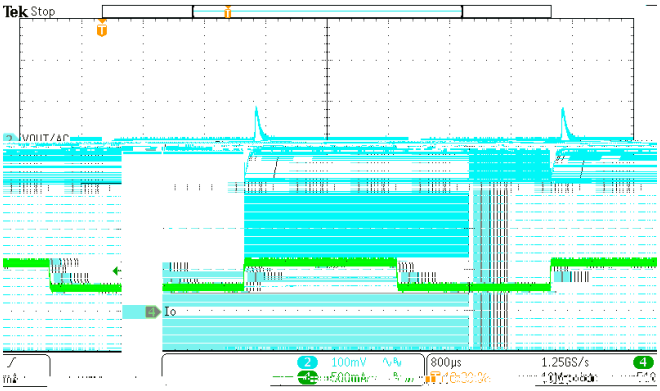
Bootstrap Capacitor Selection

)

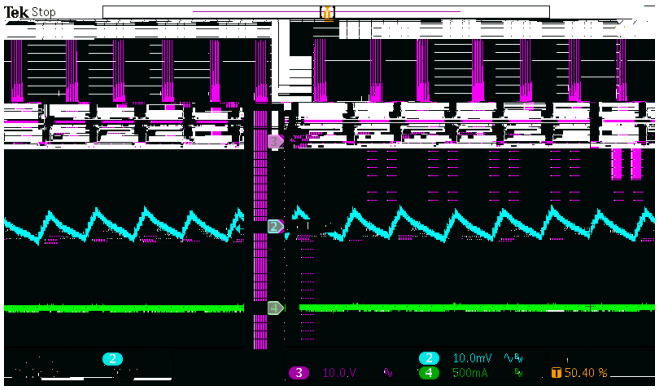
Application Waveforms



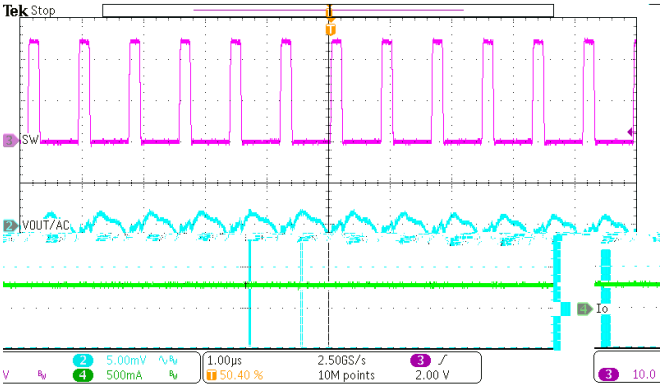
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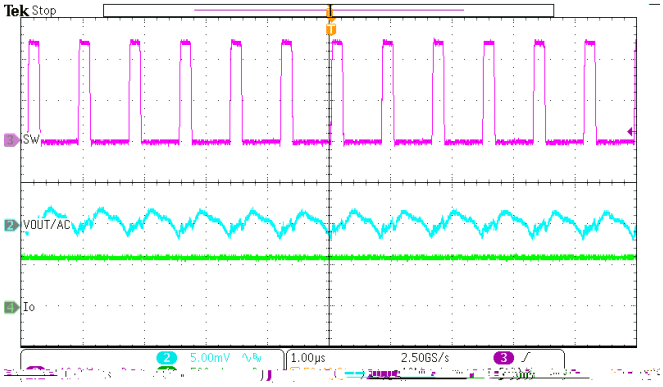
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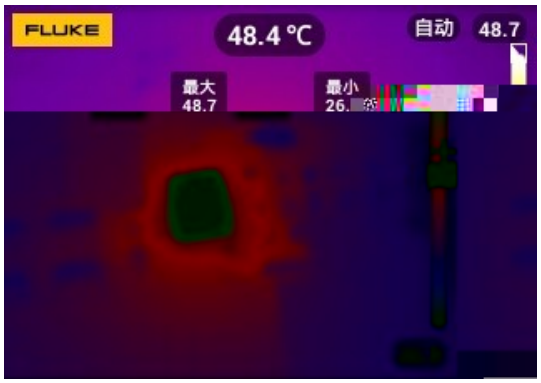
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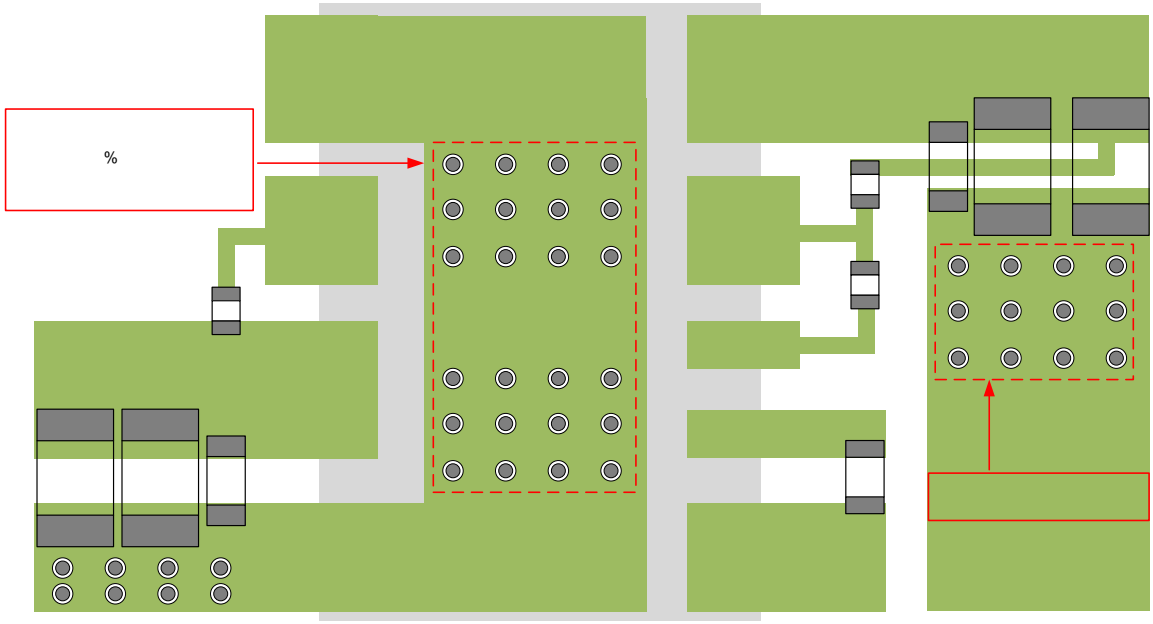
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Layout Guideline

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SYMBOL	MILLIMETER		
	MIN	NOM	MAX