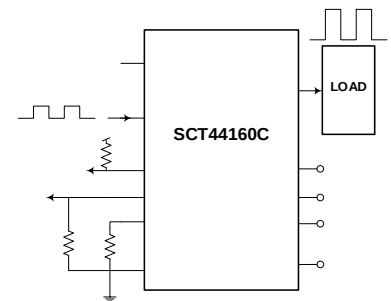




SCT44160

ORDERABLE DEVICE	PACKAGING TYPE	STANDARD PACK QTY	PACKAGE MARKING	PINS	PACKAGE DESCRIPTION	MSL

DESCRIPTION	MIN	MAX	UNIT

SCT44160

NAME	NO.			I/O ⁽¹⁾	PIN FUNCTION
	A Version	B Version	C Version		

PARAMETER	THERMAL METRIC	ETSSOP-28L	UNIT

SYMBOL	PARAMETER	TEST CONDITION	MIN	TYP	MAX	UNIT
Power Supply						
		°C				

Logic Input(INx,DIAG_EN,THER,SEH,SEL)

|

|

|

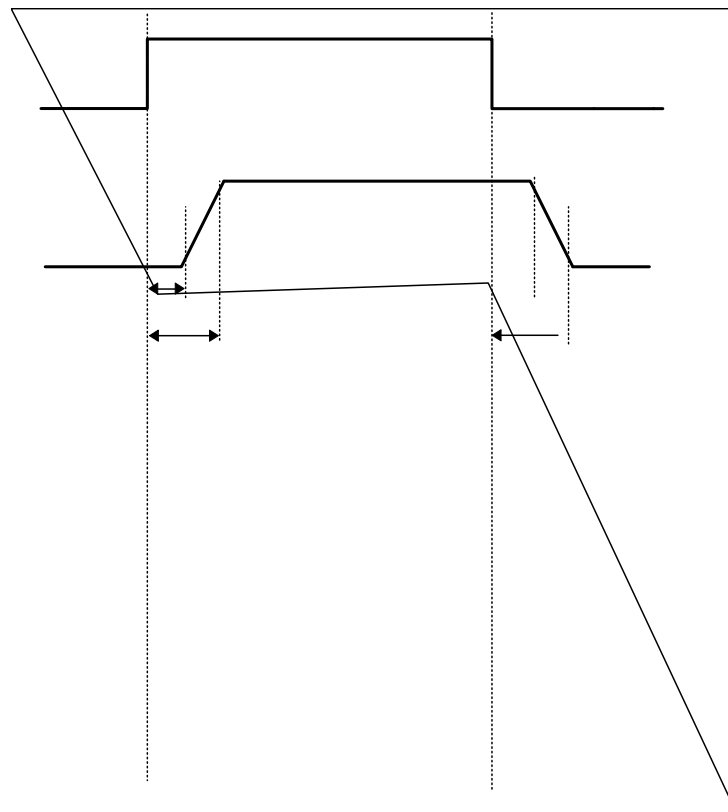
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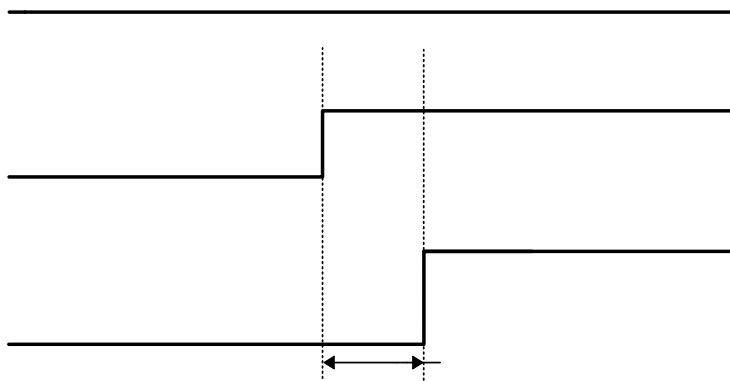
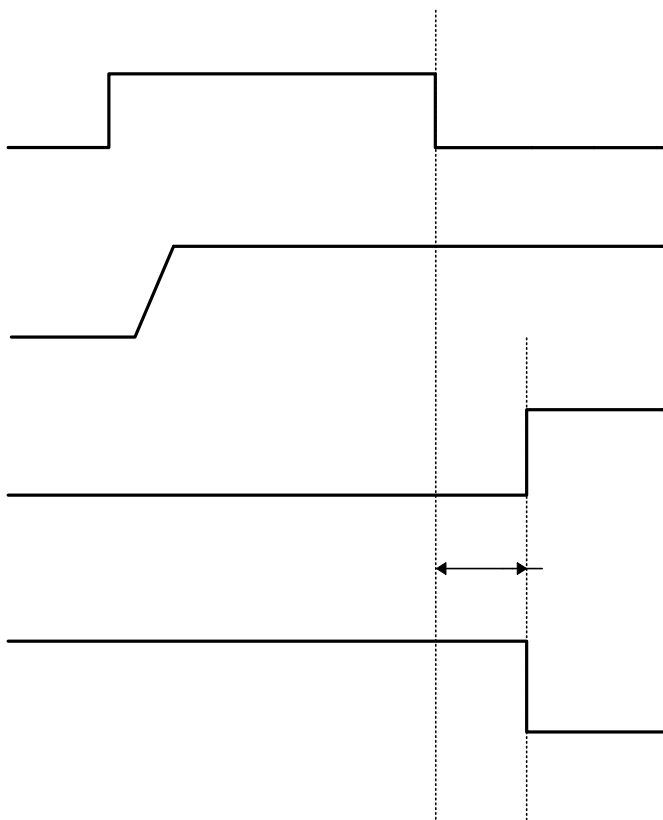
SCT44160

		°C		

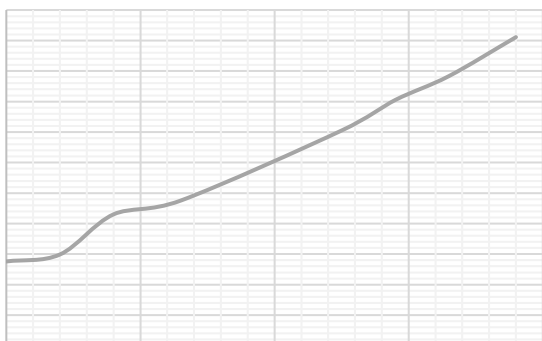
Switching

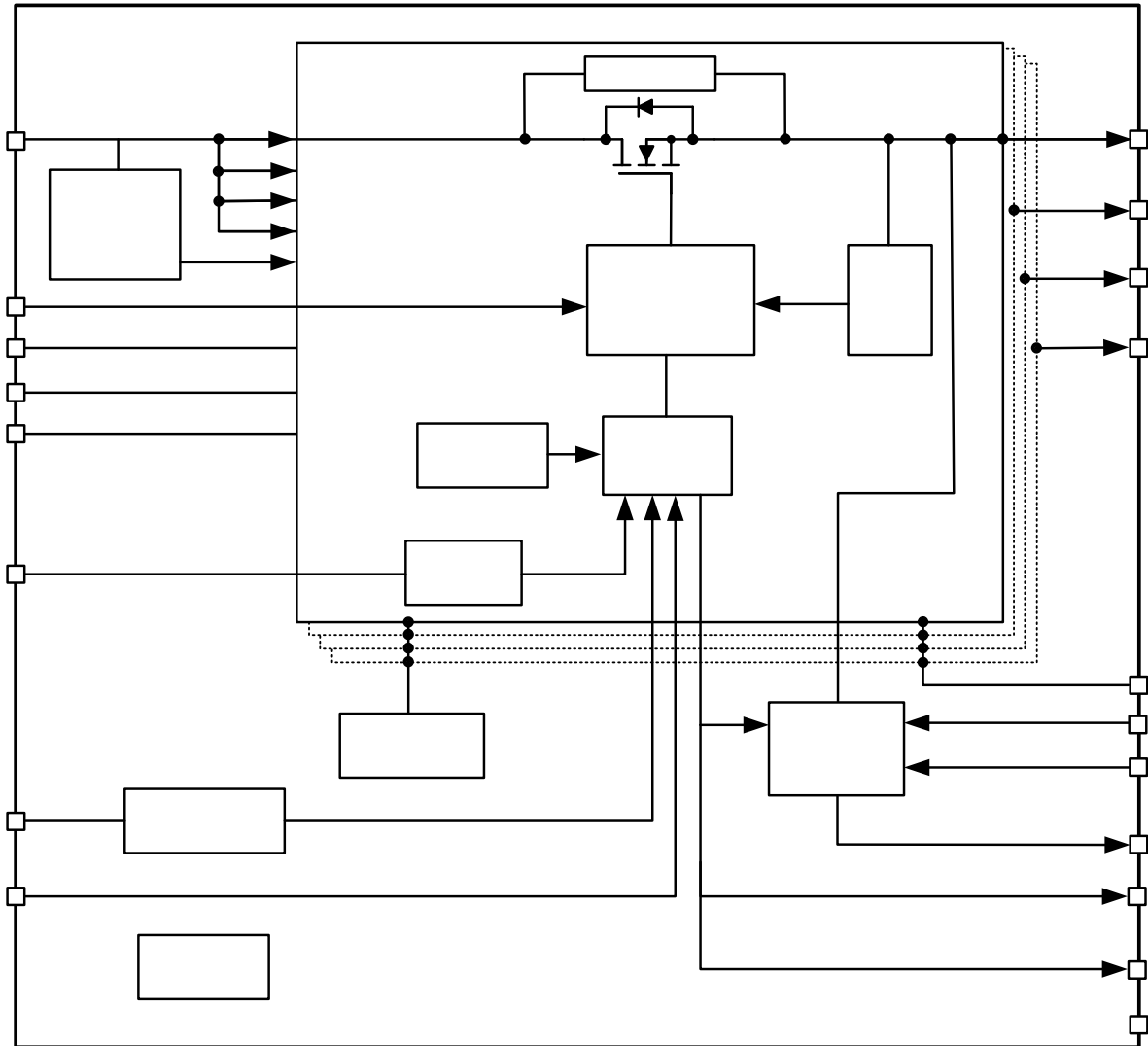
Current Sense timing











Overview

Adjustable Current Limit

$$= \frac{\quad \times}{\quad}$$

-
-

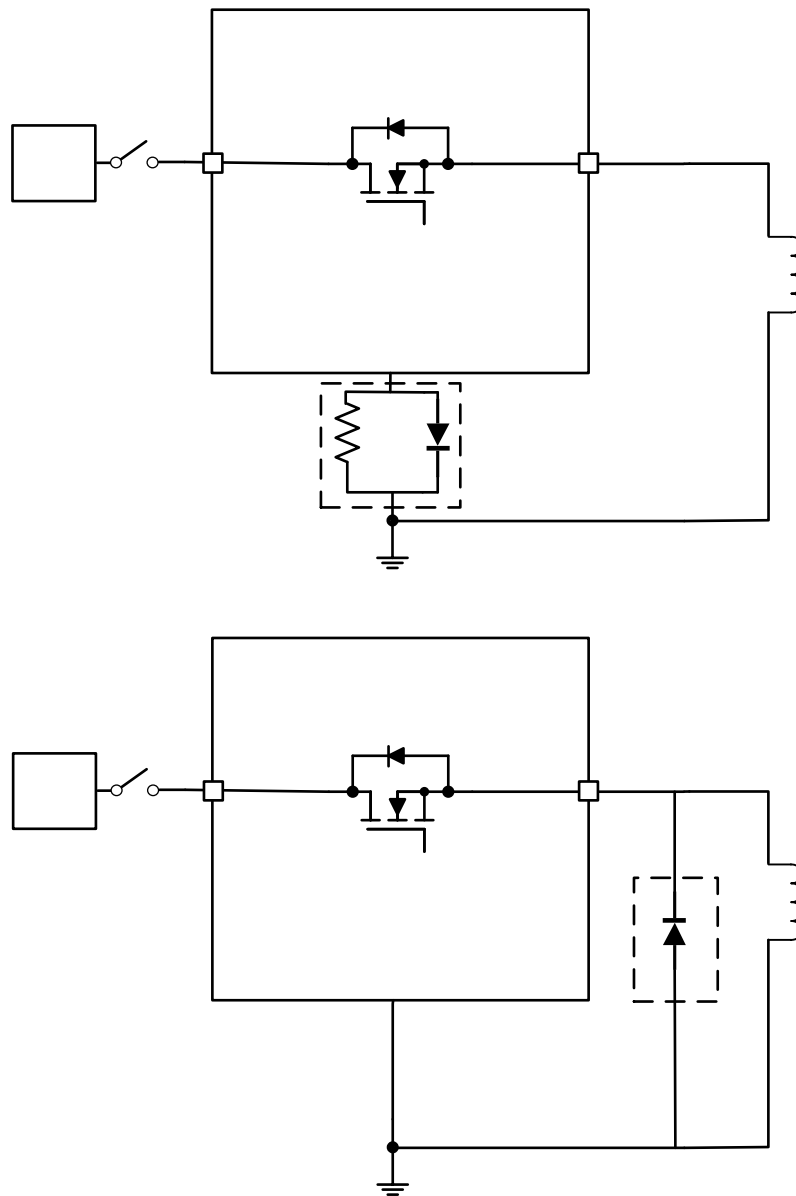
SCT44160

Accurate Current Sense

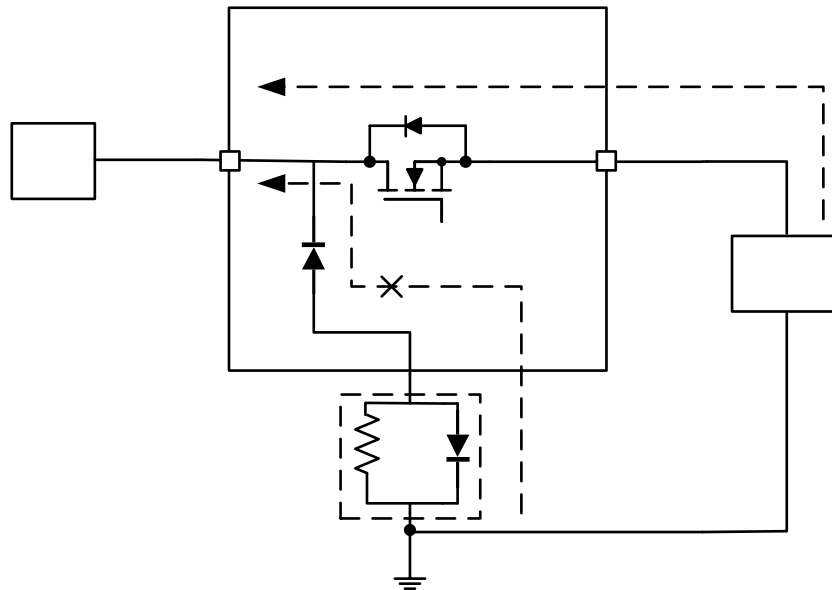
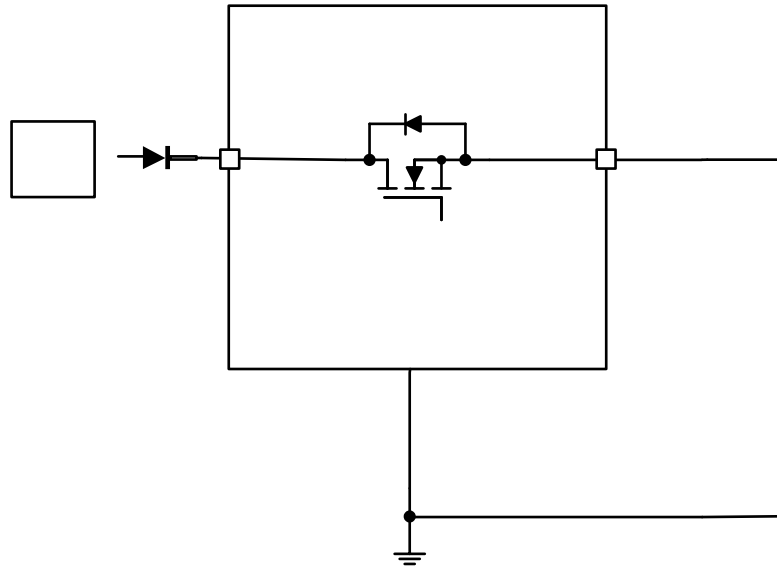
Thermal Shutdown

Inductive-Load Switching-Off Clamp

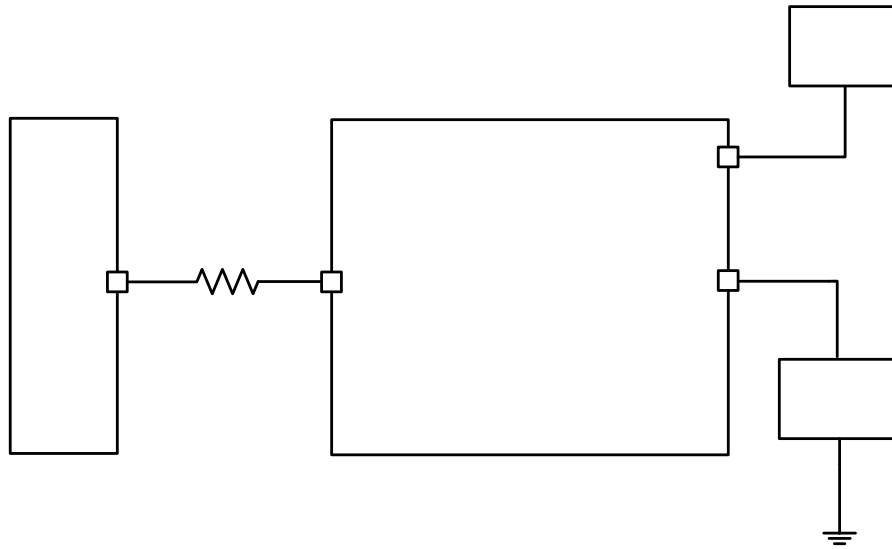
Protection for Loss of Power Supply



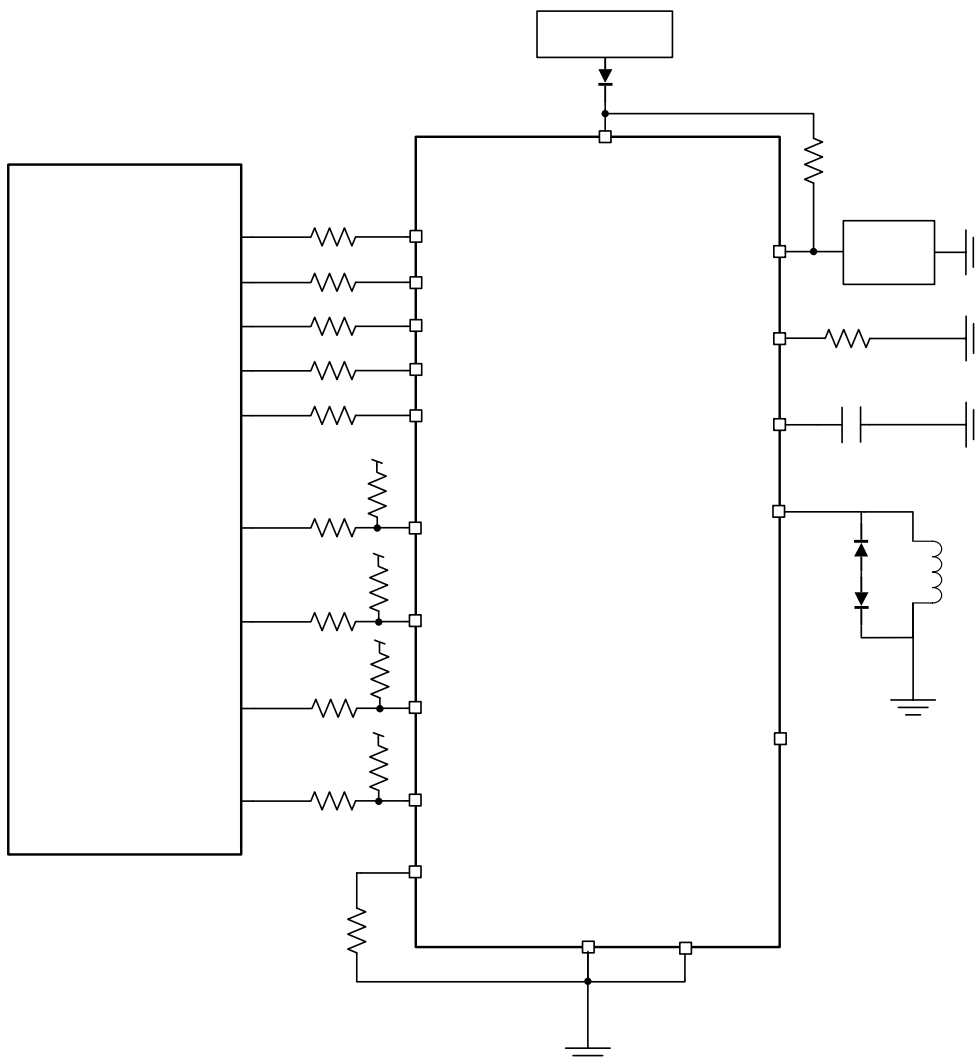
Reverse-Current Protection



MCU I/O Protection



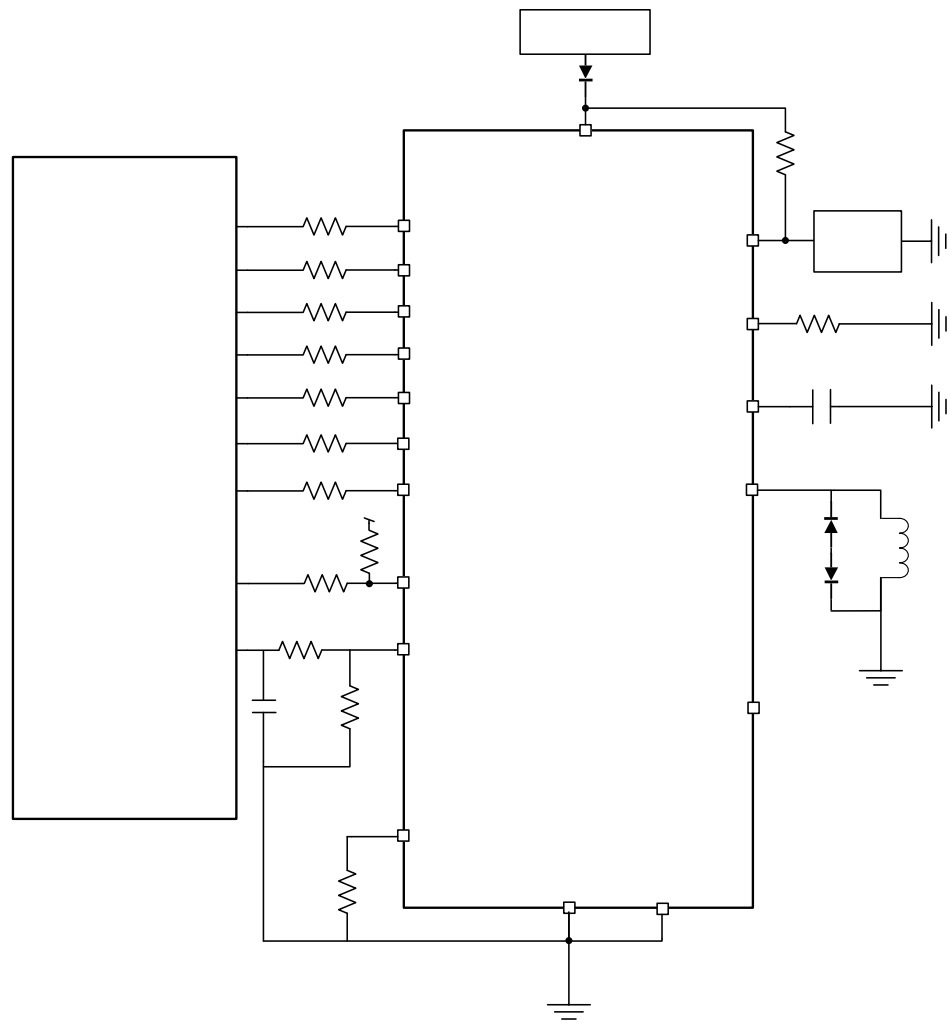
Typical Application



Design Parameters

Design Parameters	Example Value

Typical Application (continued)

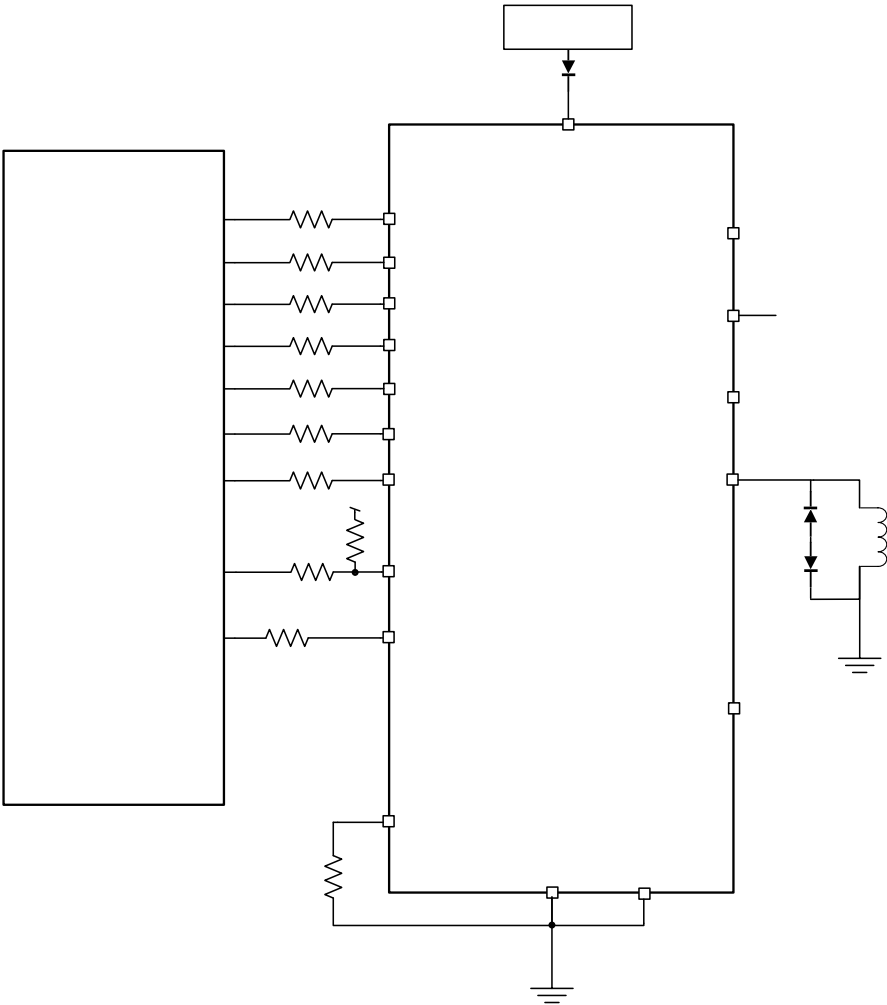


Design Parameters

Design Parameters	Example Value

CE CE " ĆÁiW -ñ 85@ @ P D Q‡ R w ÍD R wŽ 4 U

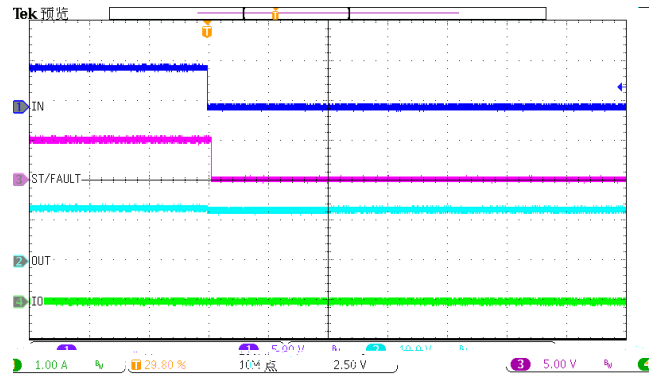
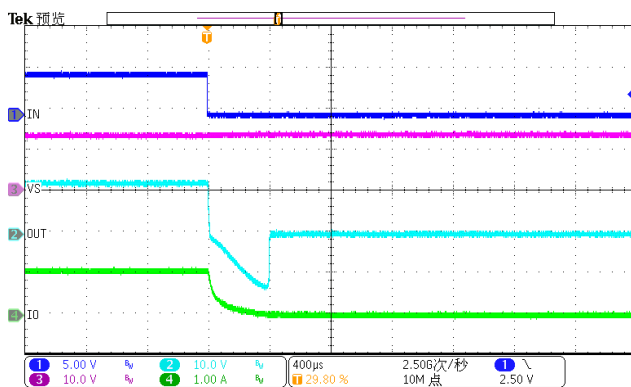
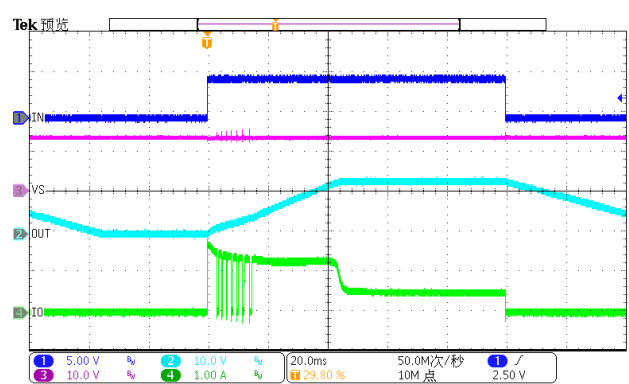
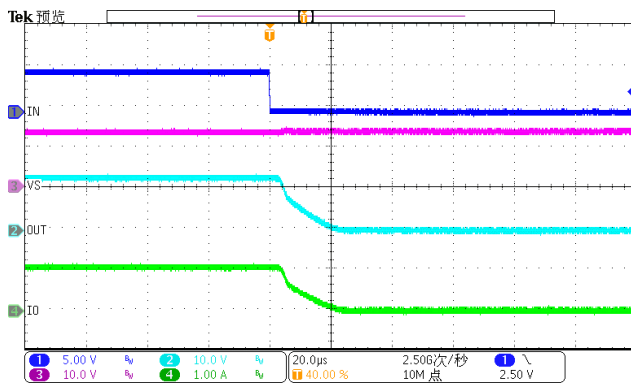
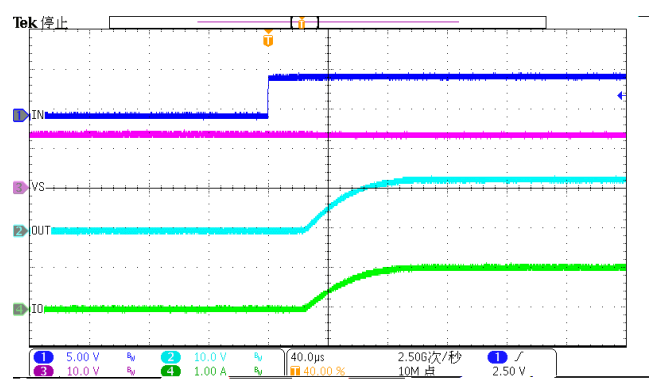
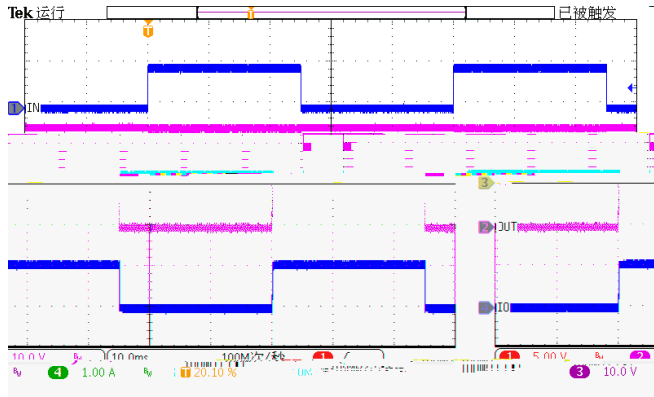
Typical Application (continued)



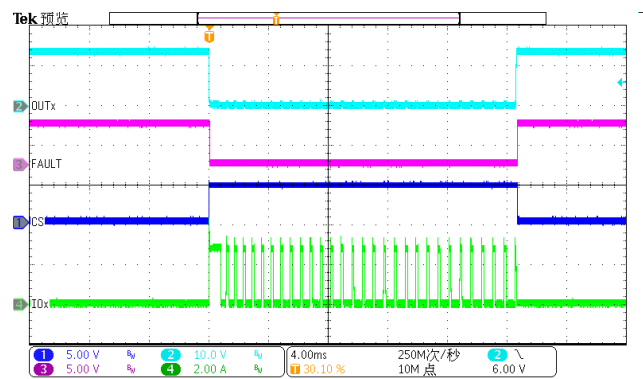
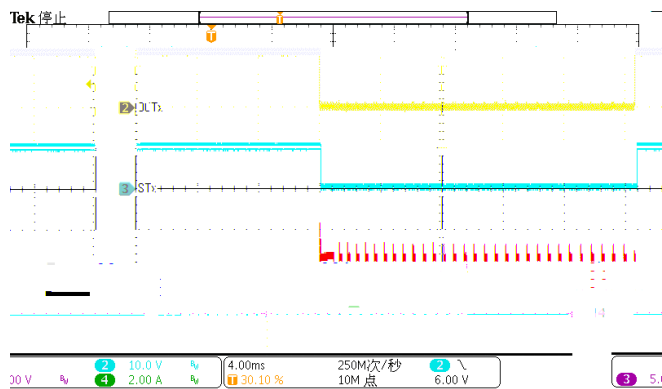
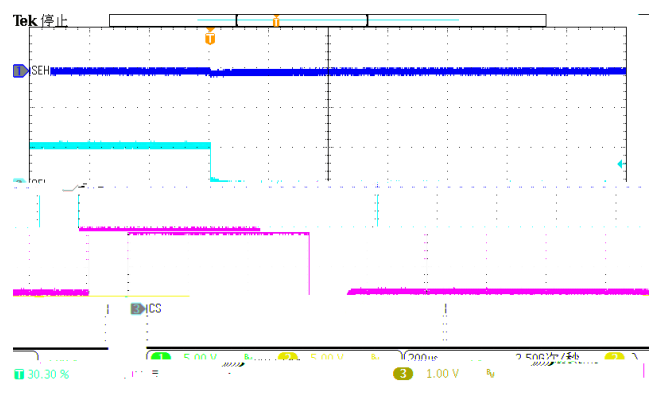
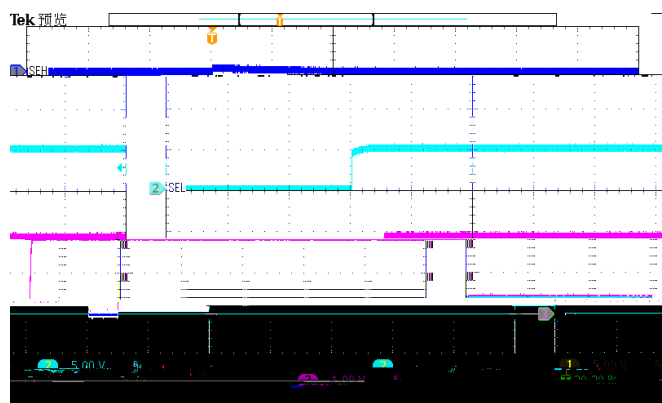
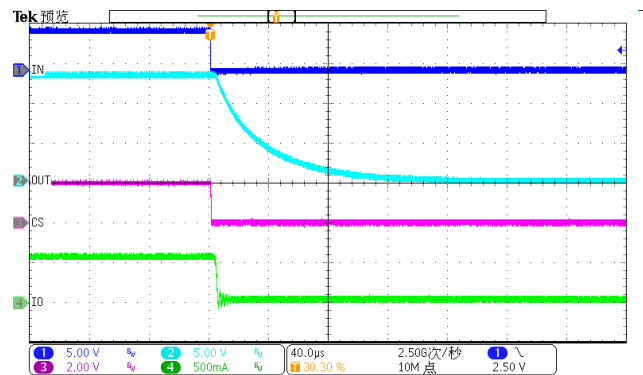
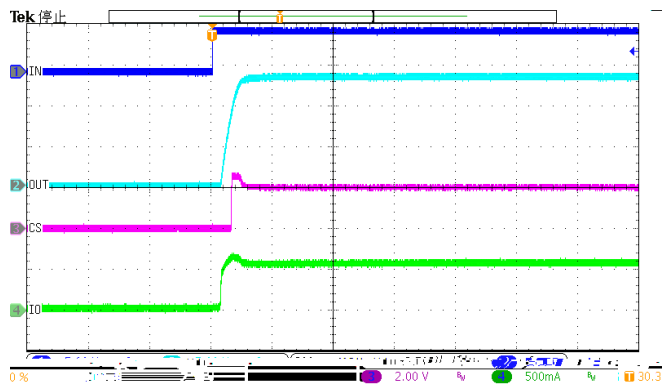
Design Parameters

Design Parameters	Example Value
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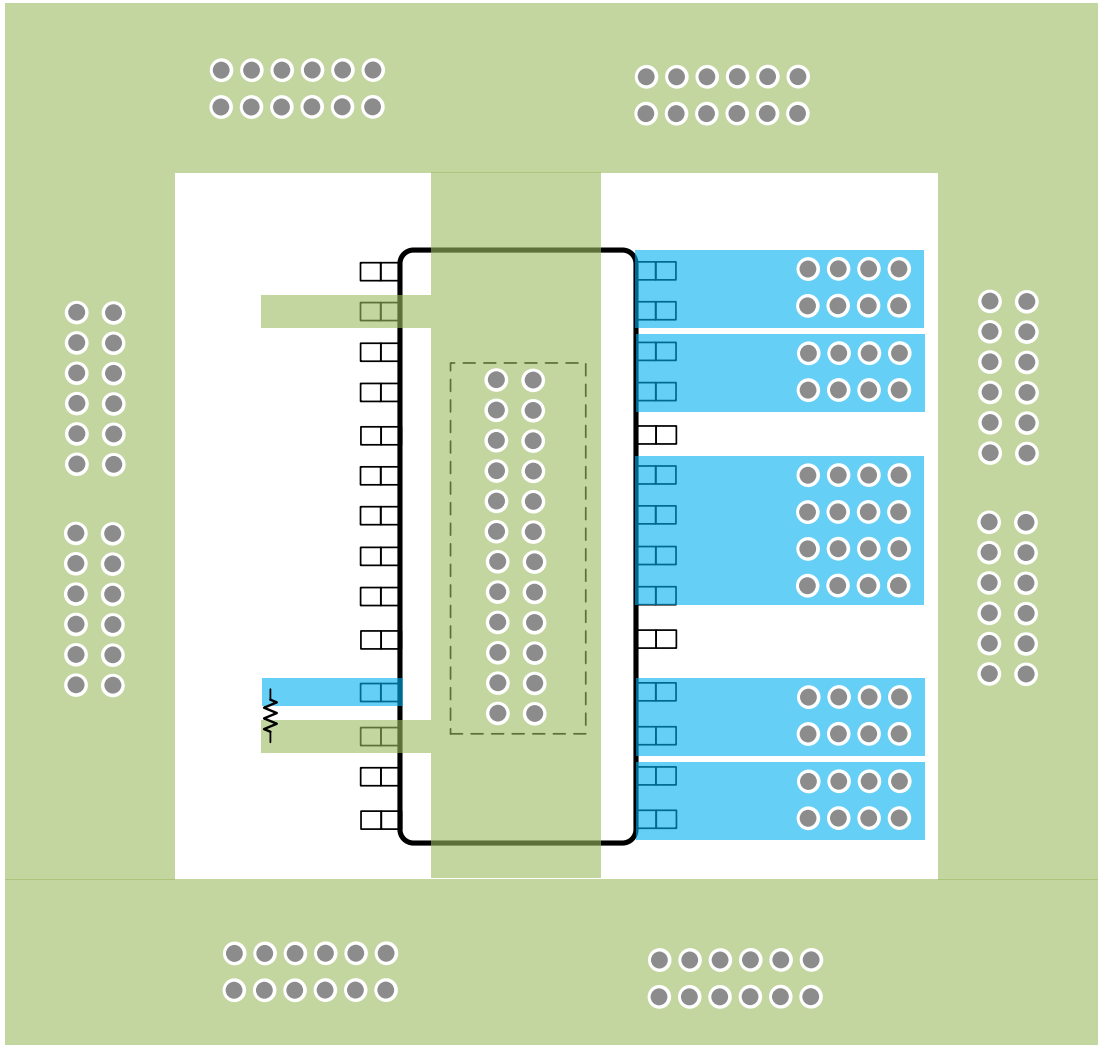
Application Waveforms

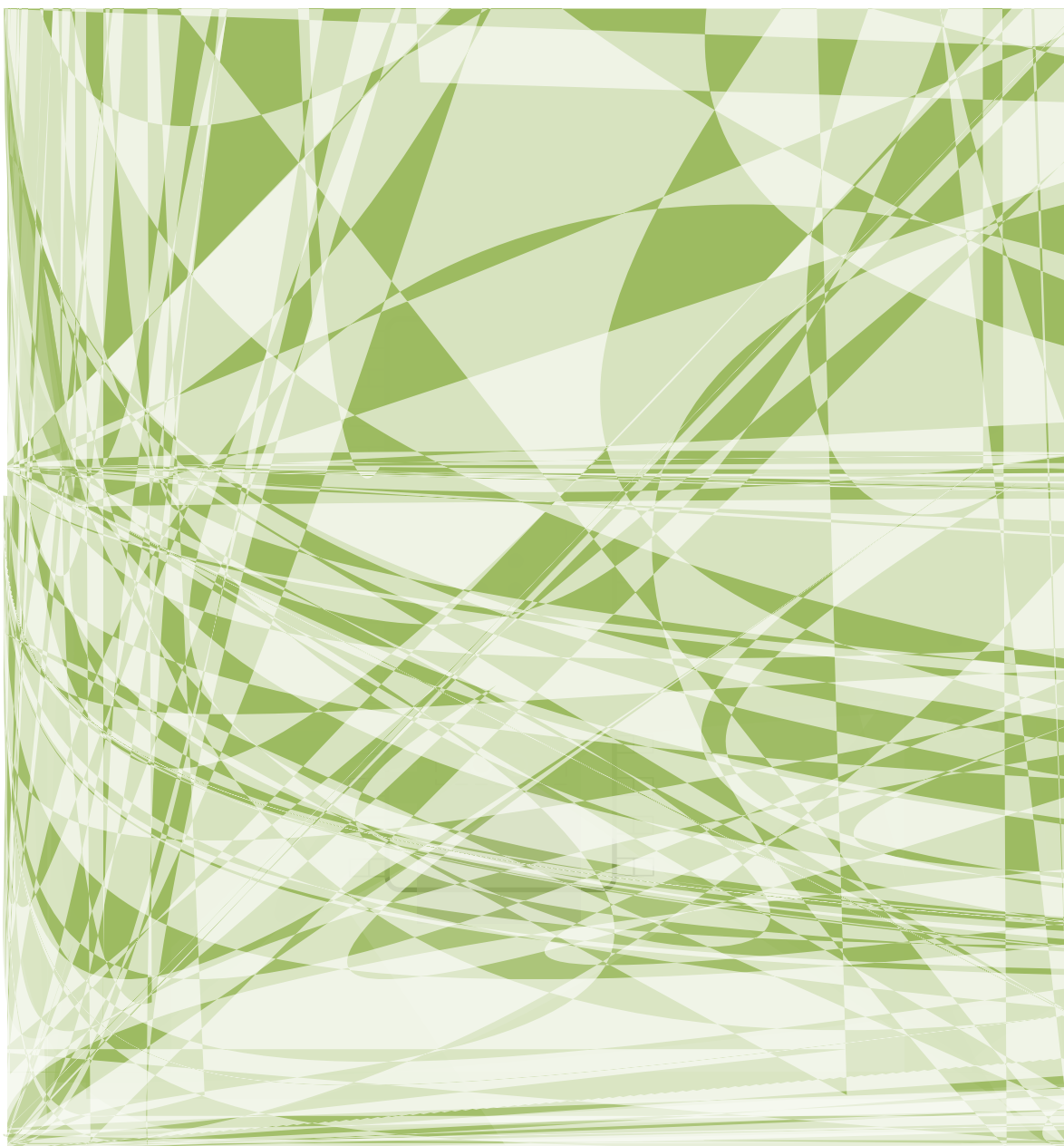


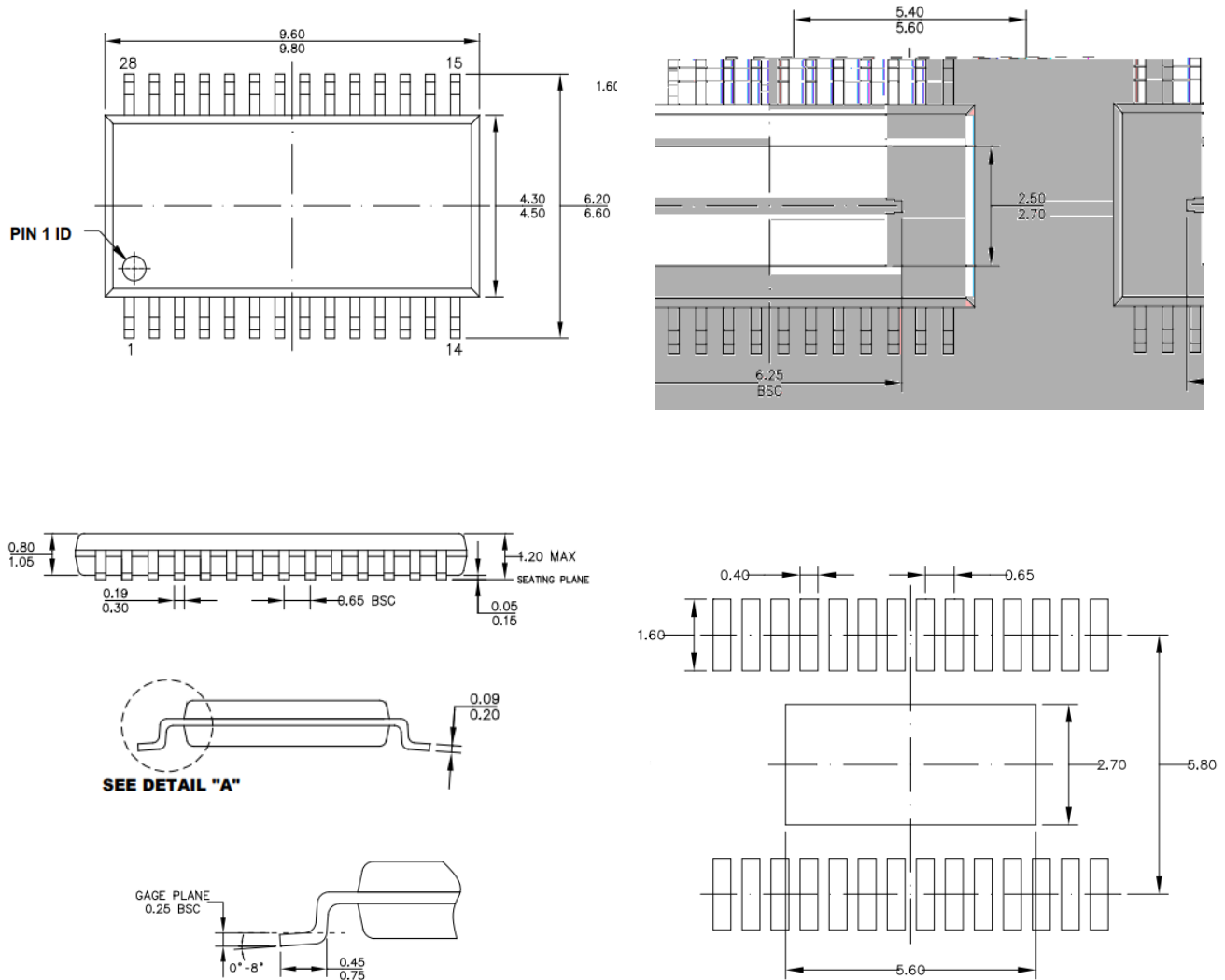
Application Waveforms(continued)



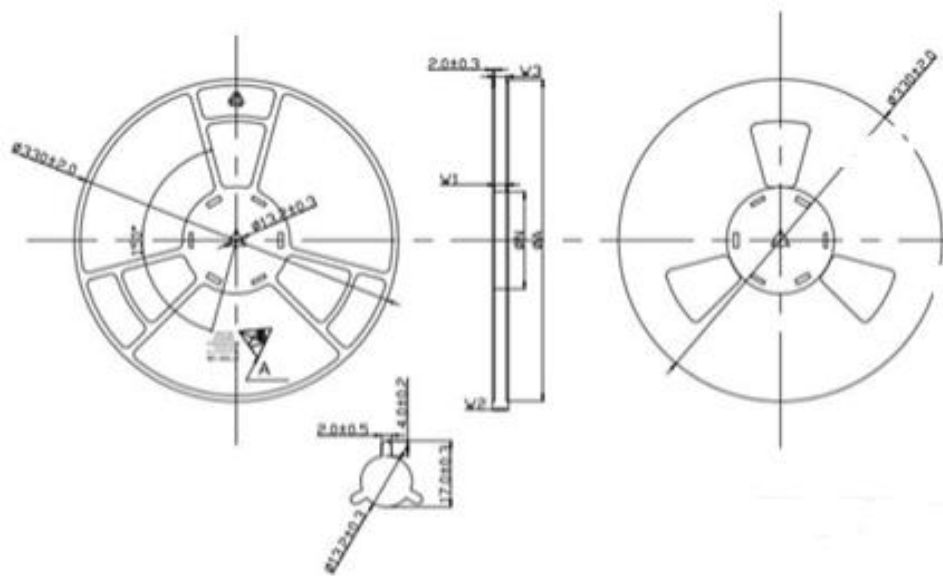
Layout Guideline



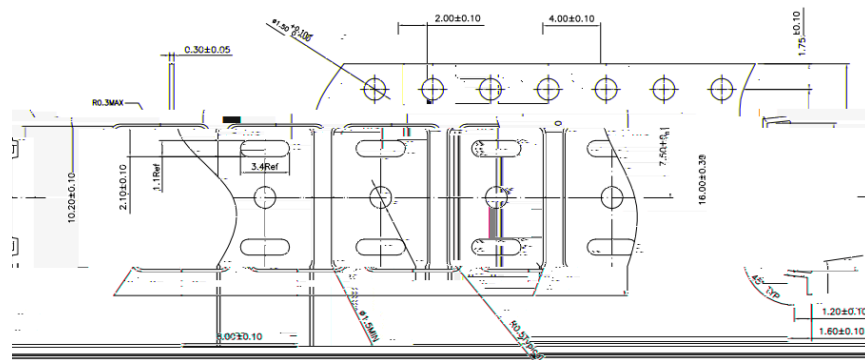




NOTE:



PRODUCT SPECIFICATIONS					
TYPE WIDTH	ϕA	ϕN	$W1(Std)$	$W2(Std)$	$W3(Std)$
16MM	330 ± 2.0	100 ± 1.0	16.4	22.4	15.9/19.4



tolerance ± 0.2
100mm.
yrene
a plane 0.3mm above the bottom of the
me on the inside bottom of the pocket to
Ref.
o sprocket hole measured as true position
it hole center must be same position.

NOTES:
1.10 sprocket hole pitch cumulat
2.Camber not to exceed 1mm in
3.Material: Black conductive Polyst
4.4c and 4a measured as
5.4c measured from a pl
6.4a for shape of the ear
7.Becket position relative to
of pocket not pocket hole
7.Pocket center and pocke

