4.1-40V 160-mΩ Quad-Channel Smart High-Side Switch

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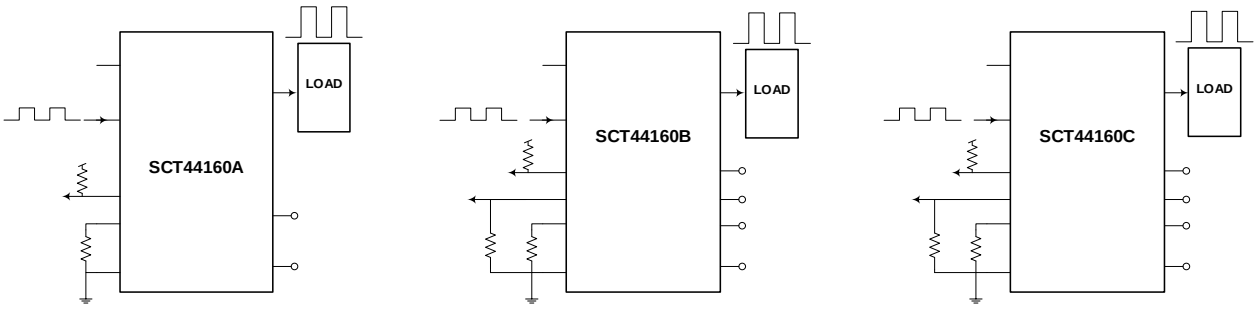


ORDERABLE DEVICE	PACKAGING TYPE	STANDARD PACK QTY	PACKAGE MARKING	PINS	PACKAGE DESCRIPTION	MSL

DESCRIPTION	MIN	MAX	UNIT

NAME	NO.			I/O[1]	PIN FUNCTION
	A Version	B Version	C Version		

PARAMETER	THERMAL METRIC	ETSSOP-28L	UNIT

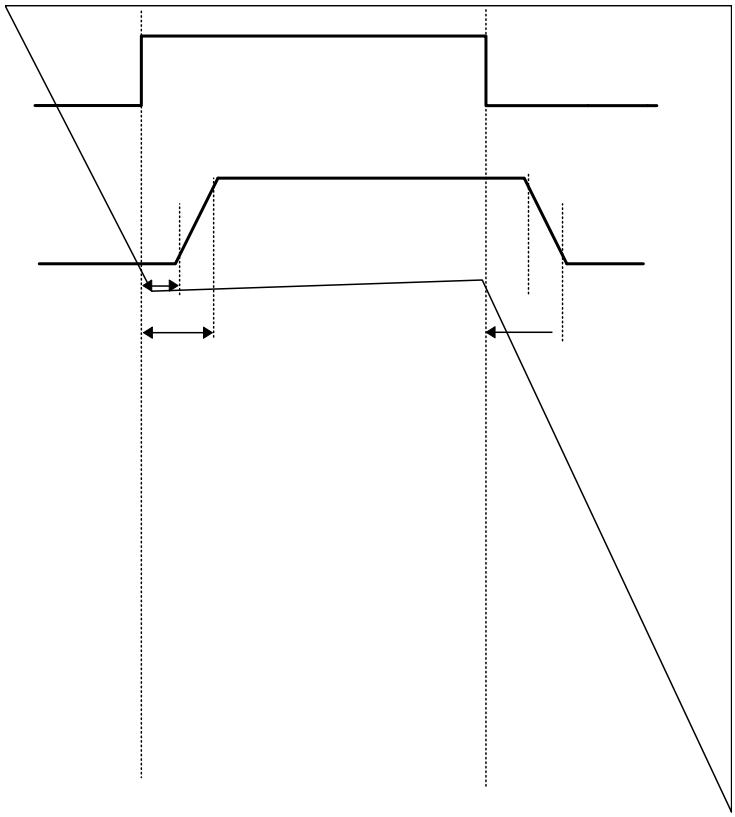
SYMBOL	PARAMETER	TEST CONDITION	MIN	TYP	MAX	UNIT
Power Supply						
		℃				

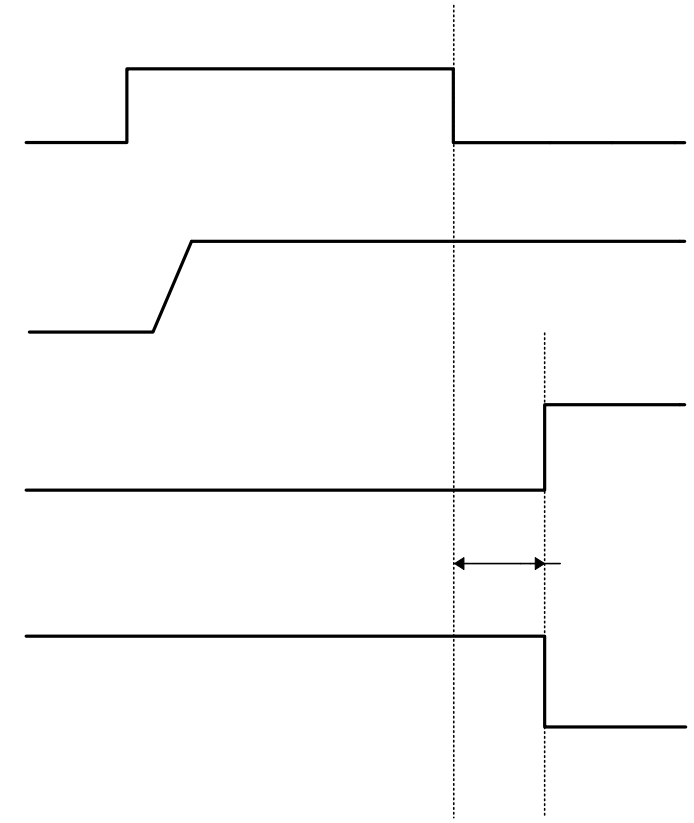
Logic Input(INx,DIAG_EN,THER,SEH,SEL)

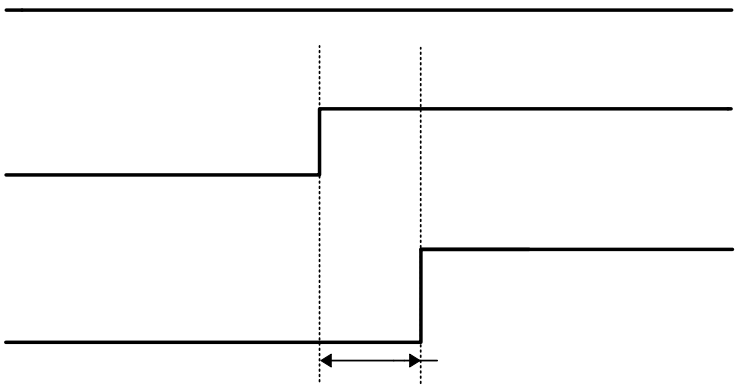
		℃		

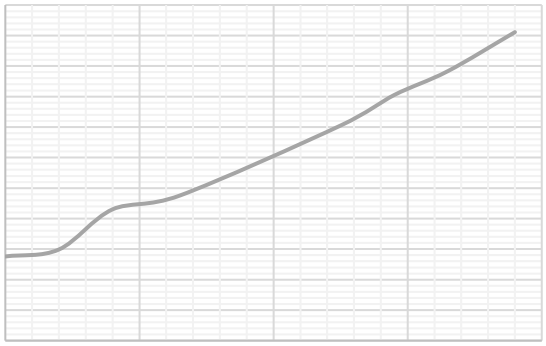
Switching

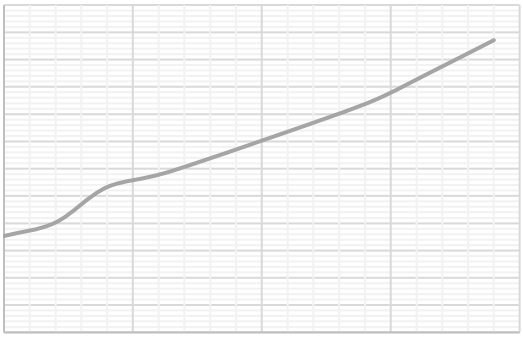
Current Sense timing

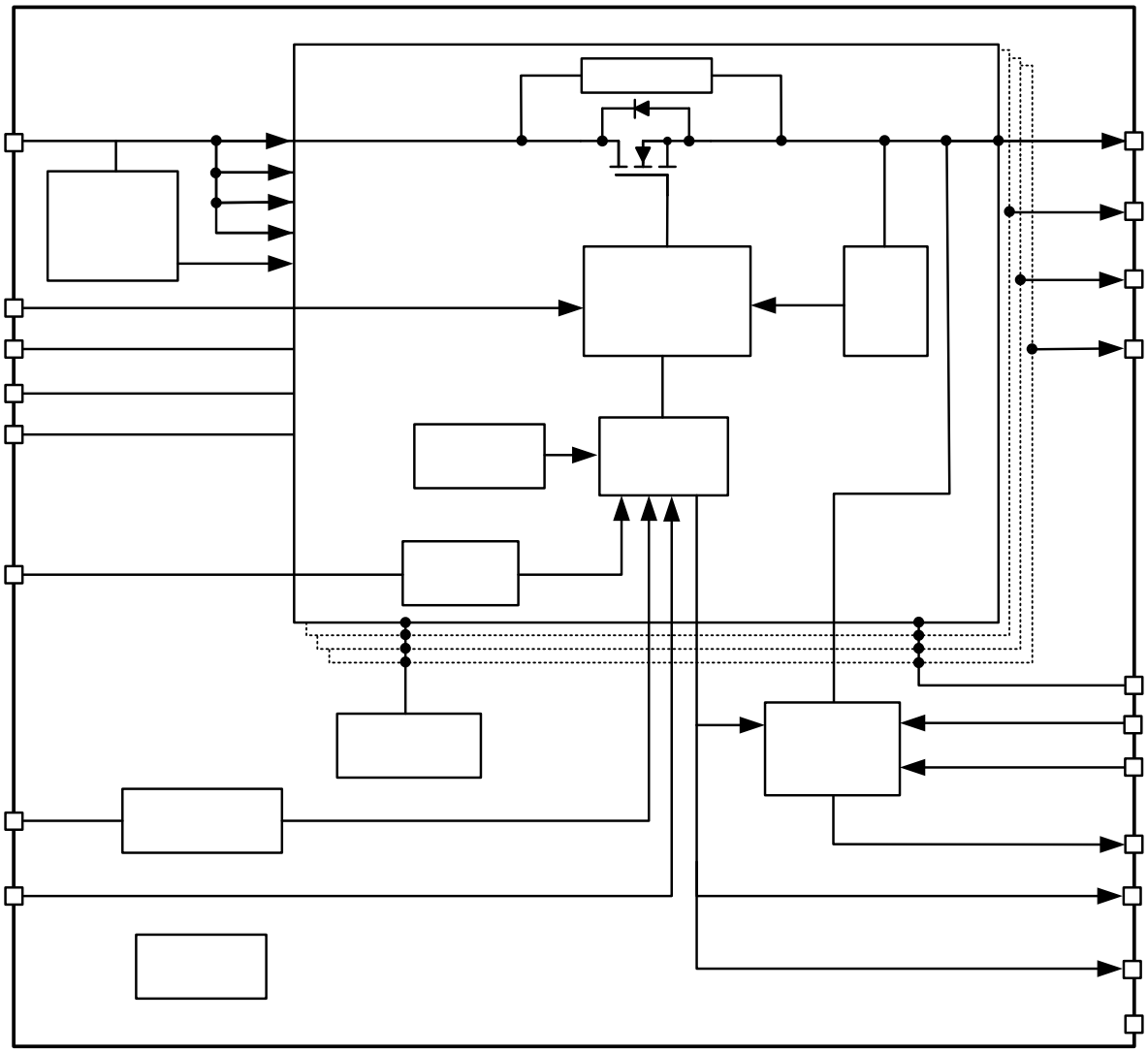












Overview

Adjustable Current Limit

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

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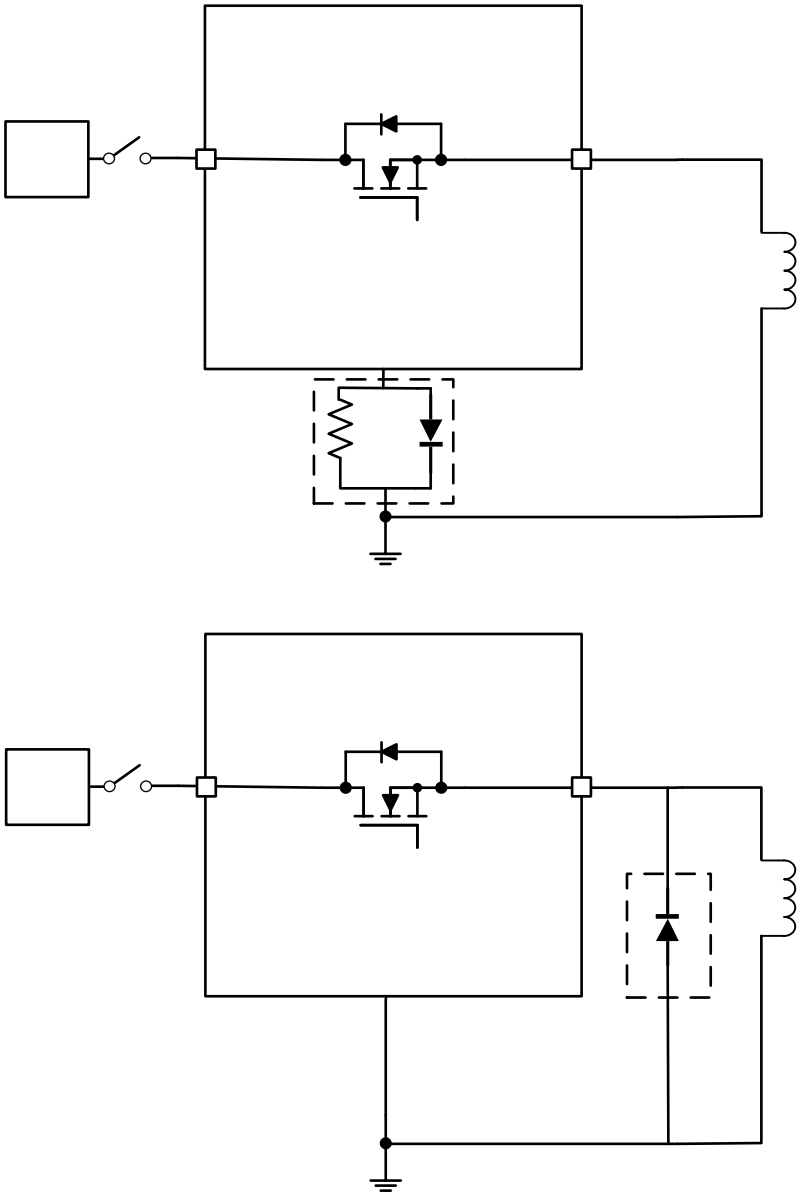
Accurate Current Sense

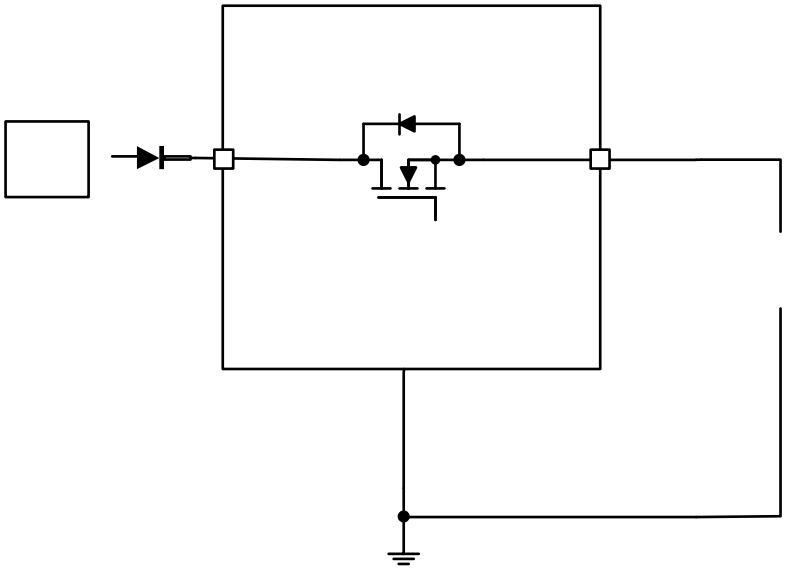
Thermal Shutdown

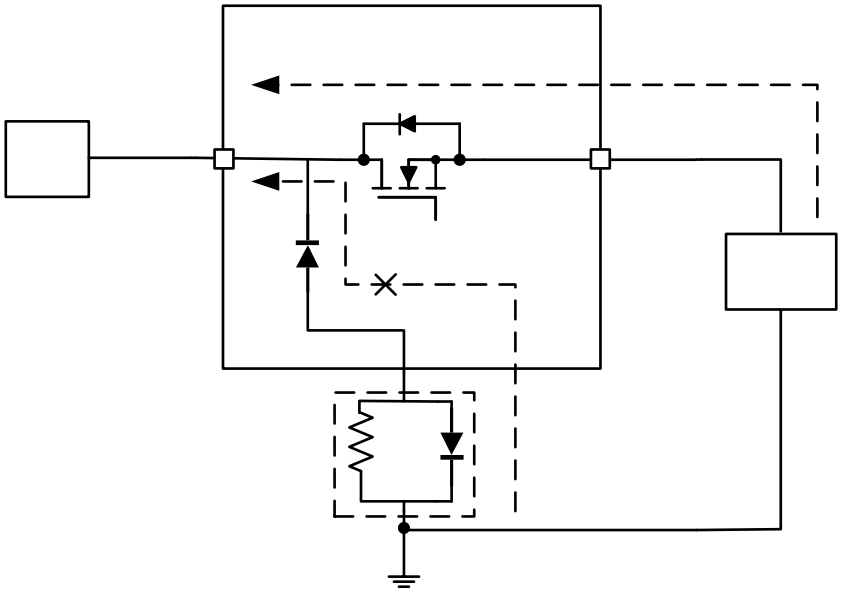
Inductive-Load Switching-Off Clamp

Protection for Loss of Power Supply

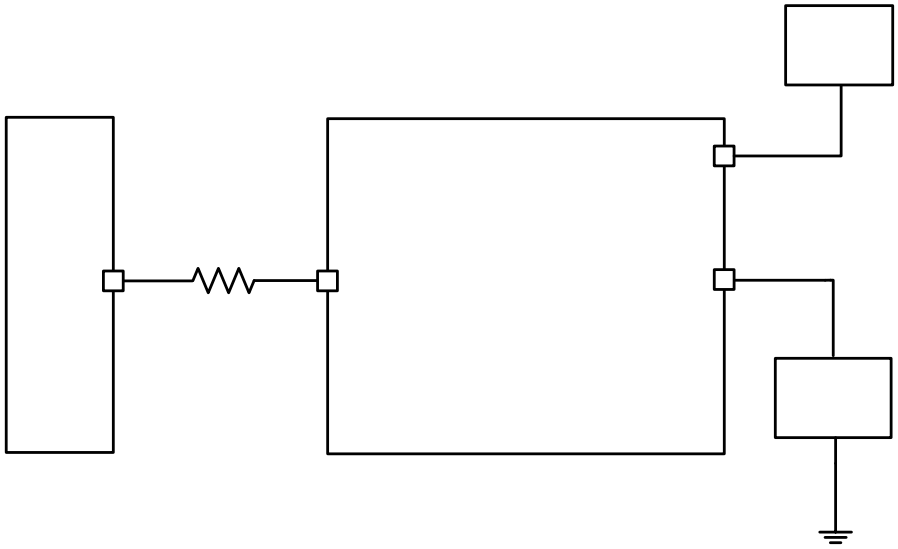


Reverse-Current Protection

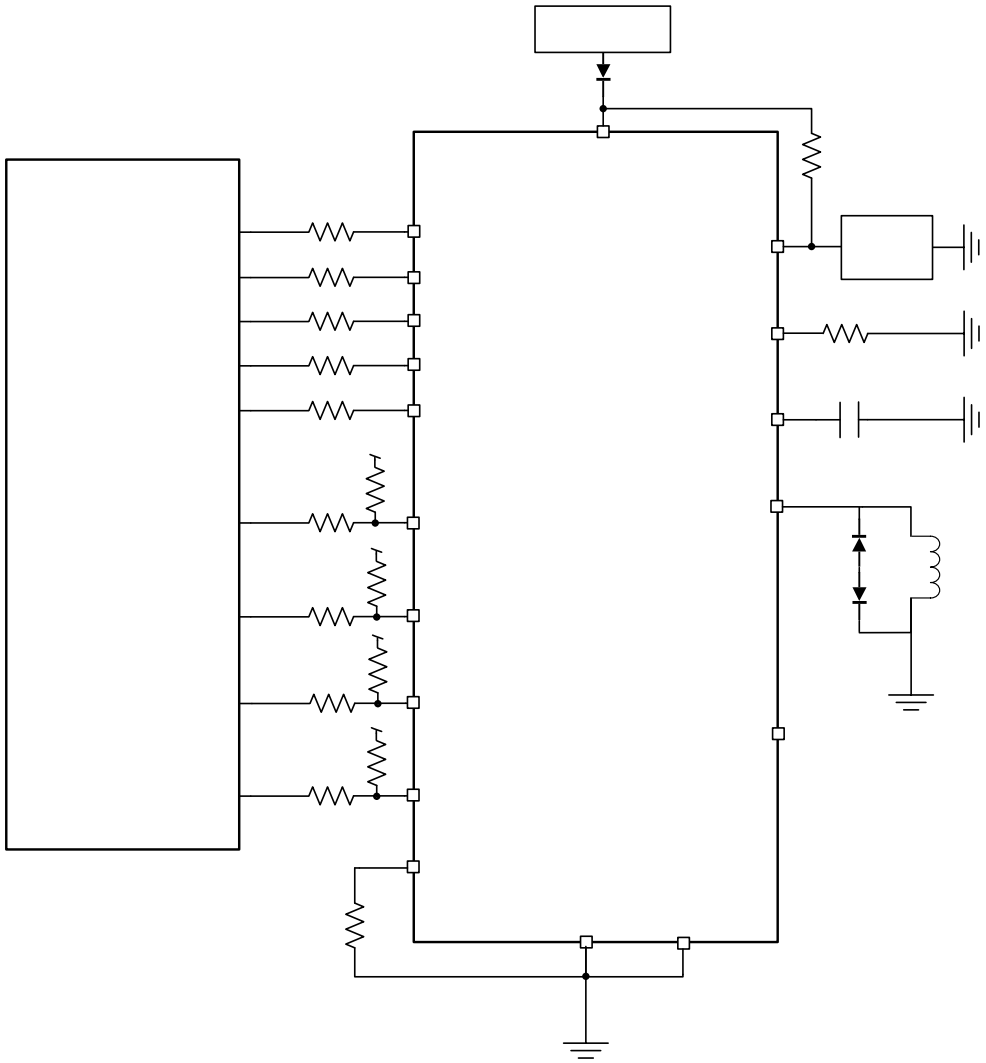




MCU I/O Protection



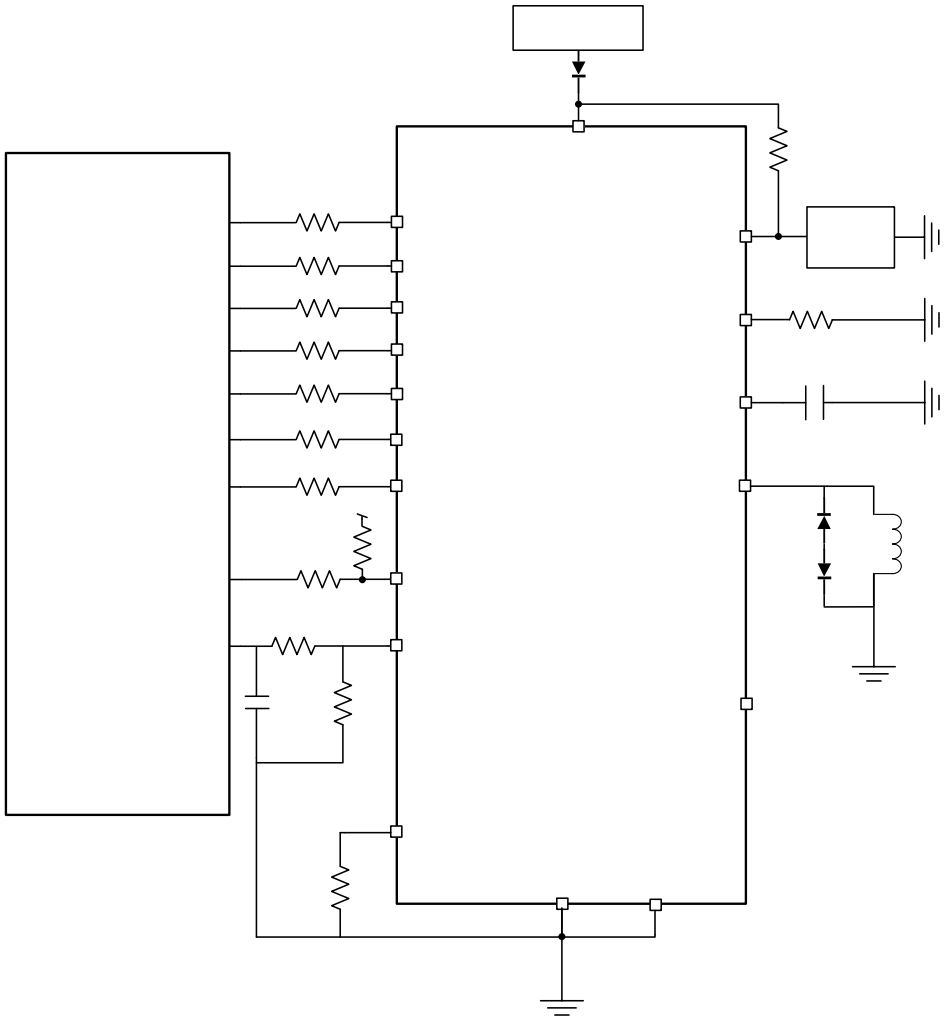
Typical Application



Design Parameters

Design Parameters	Example Value

Typical Application (continued)



Design Parameters

Design Parameters	Example Value

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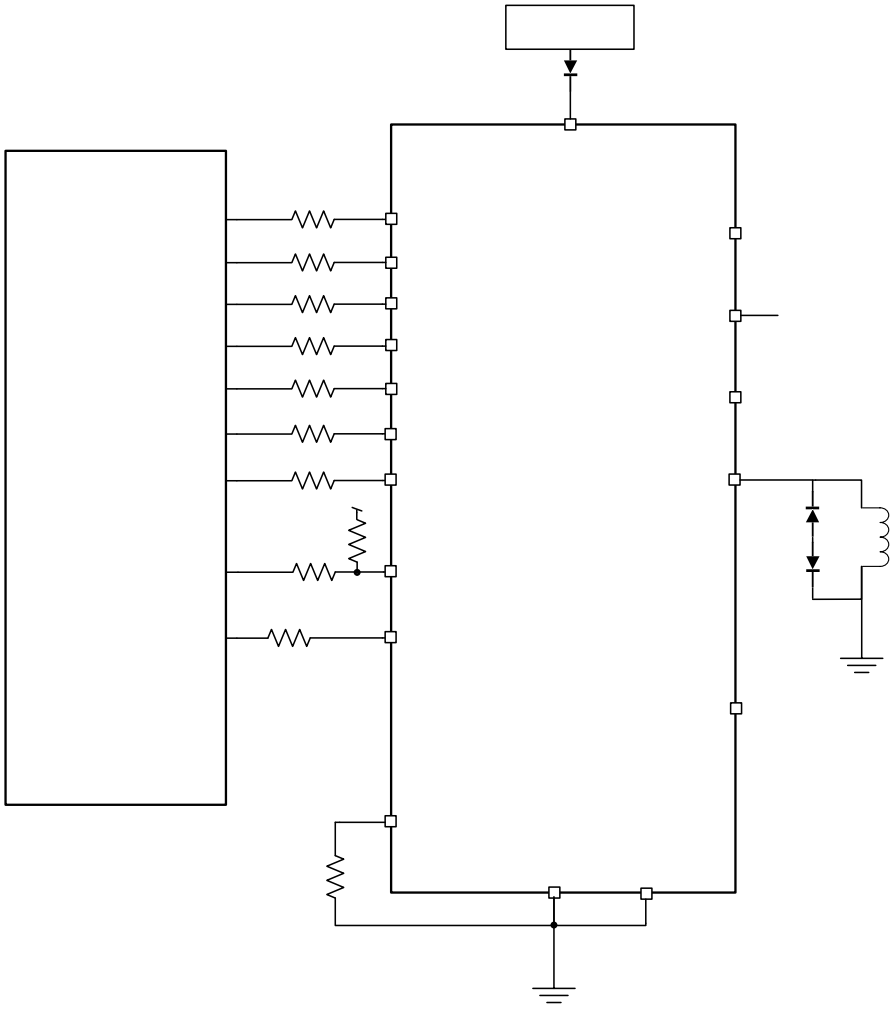
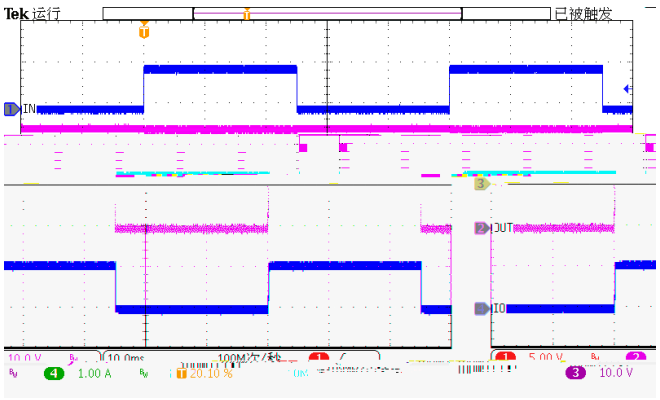
Typical Application (continued)

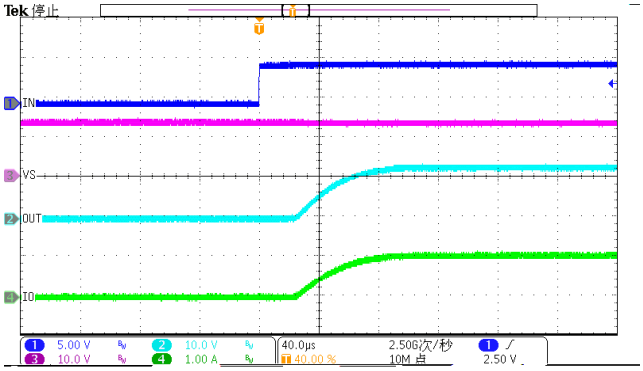


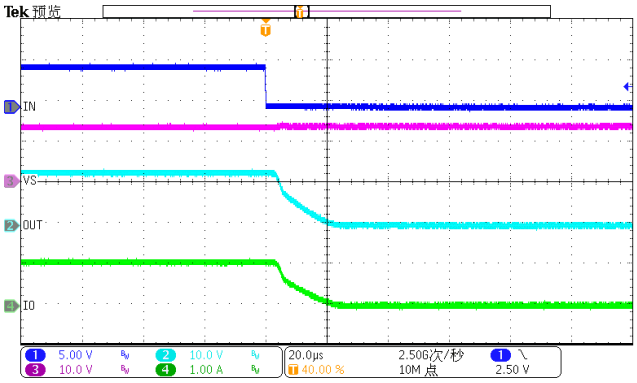
Design Parameters

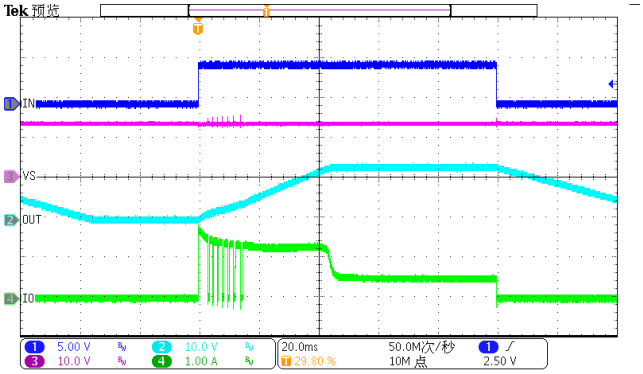
Design Parameters	Example Value

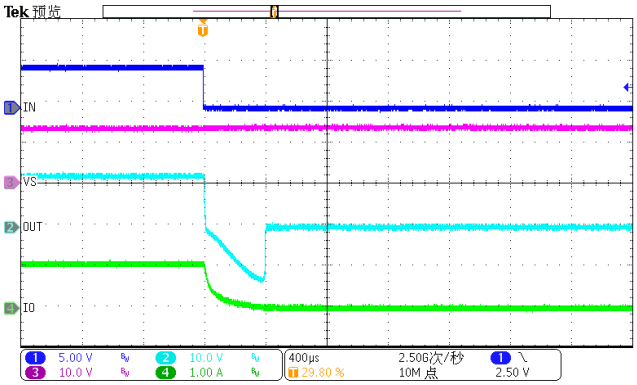
Application Waveforms

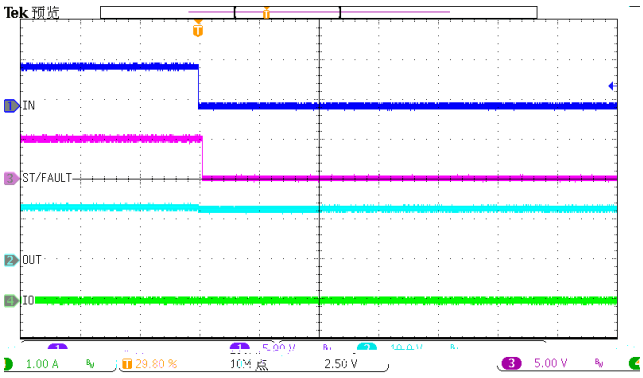




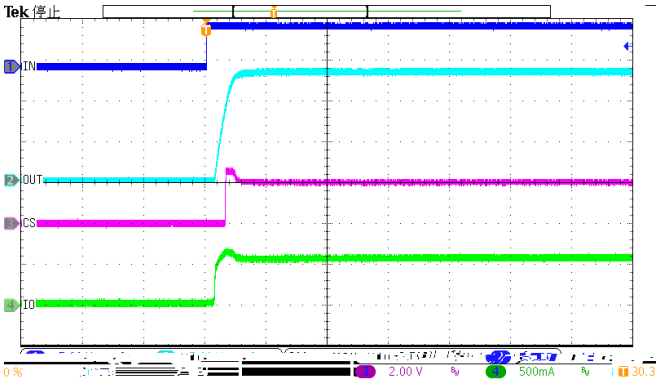


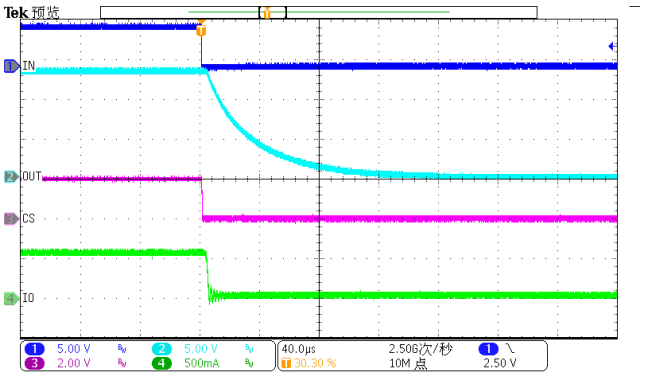


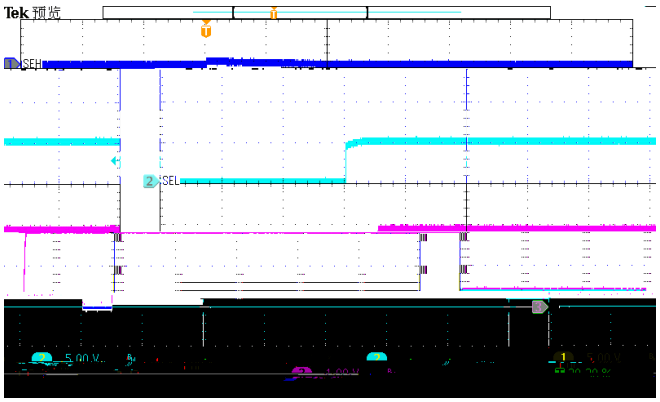


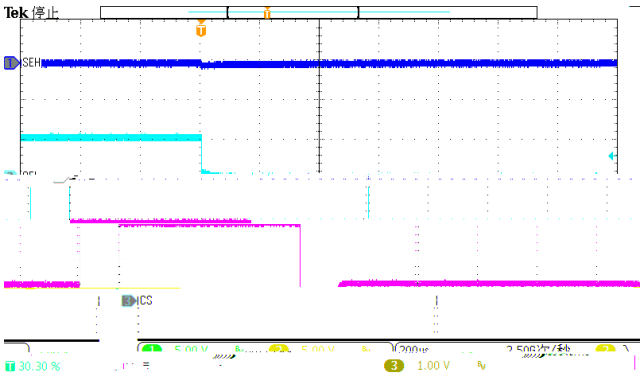


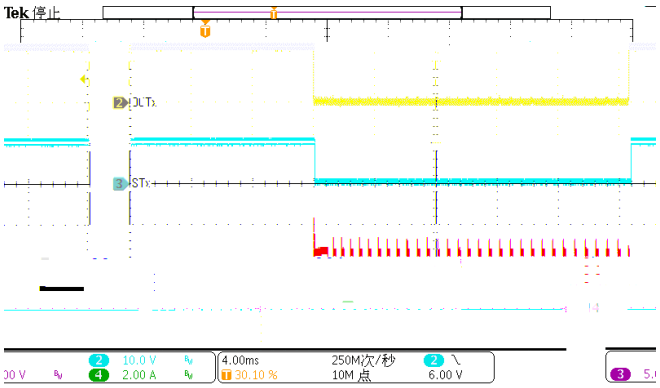
Application Waveforms(continued)

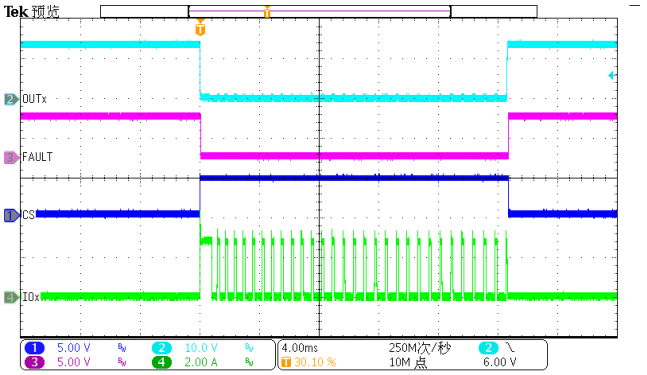




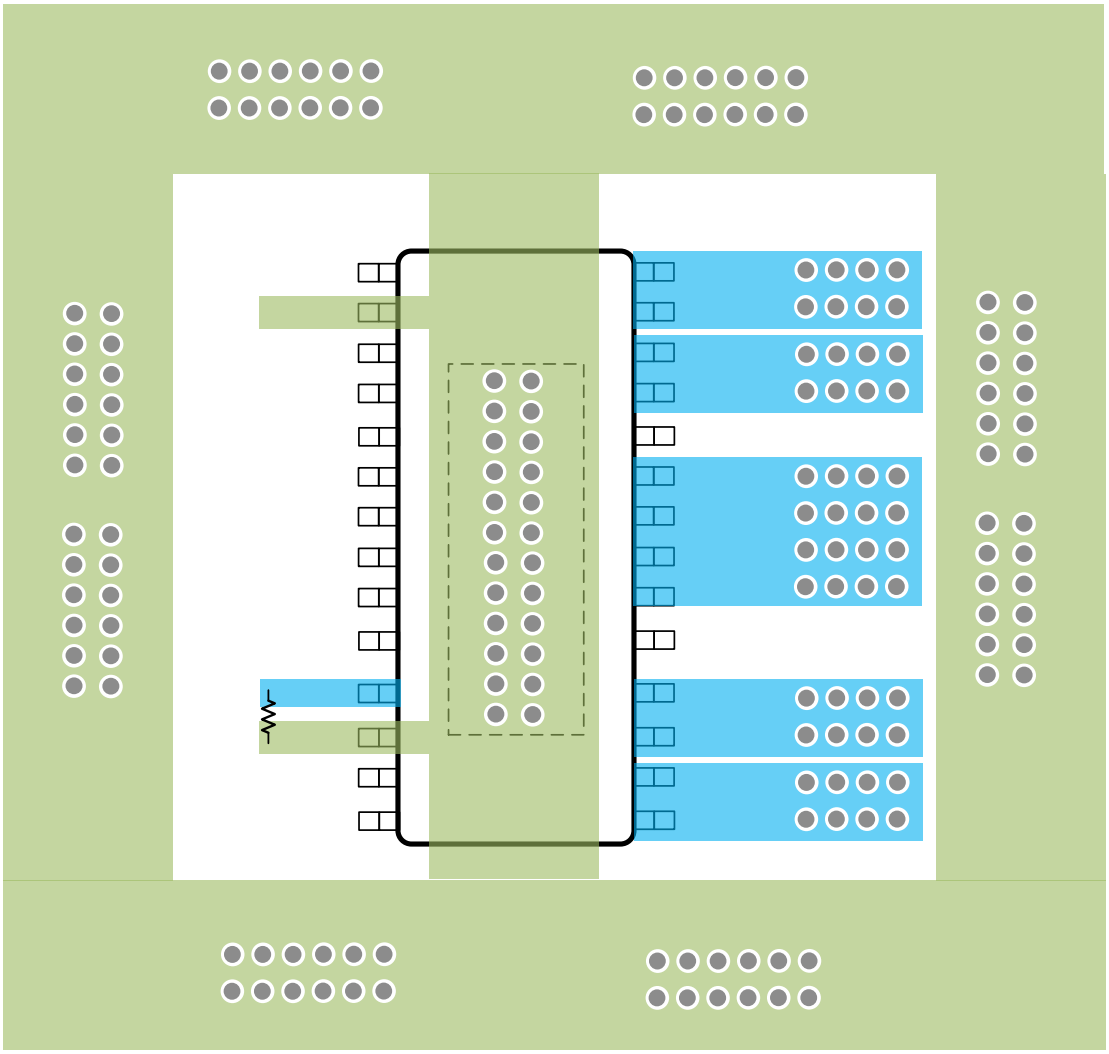


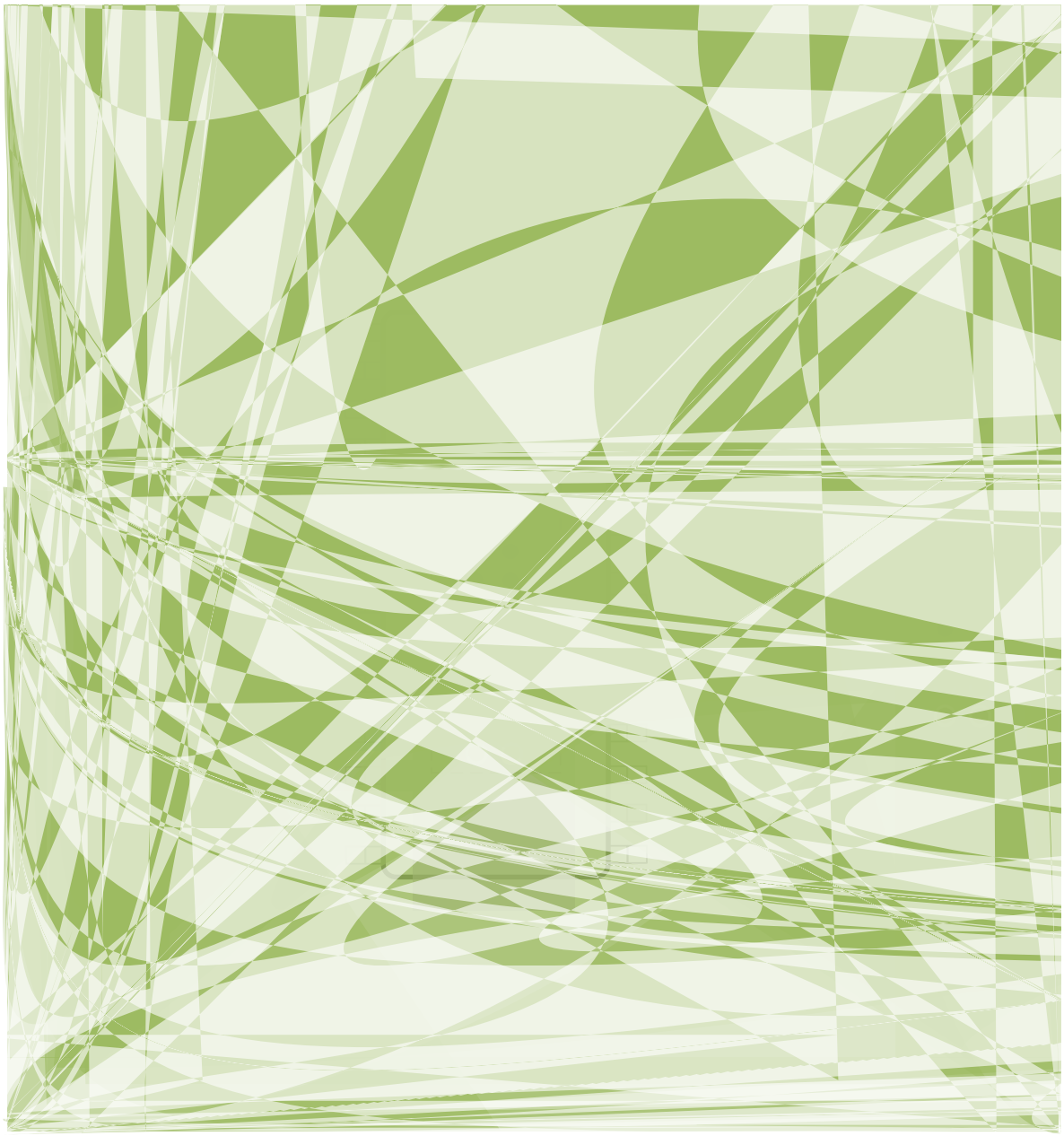


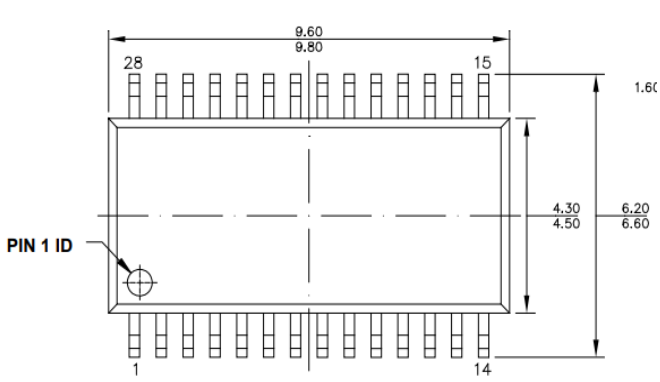


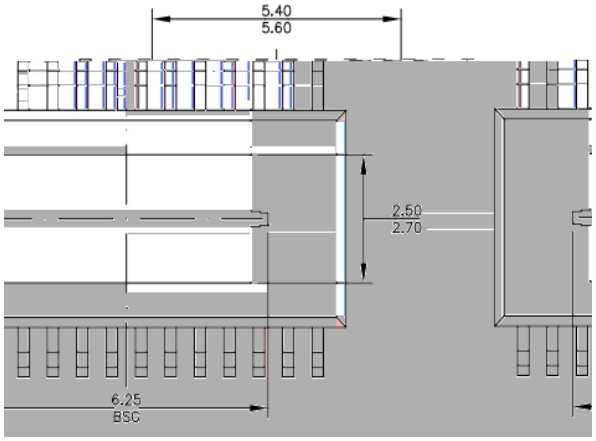


Layout Guideline

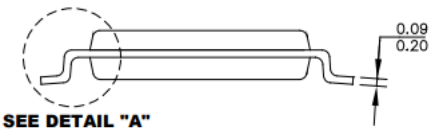


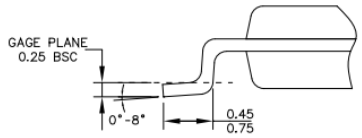


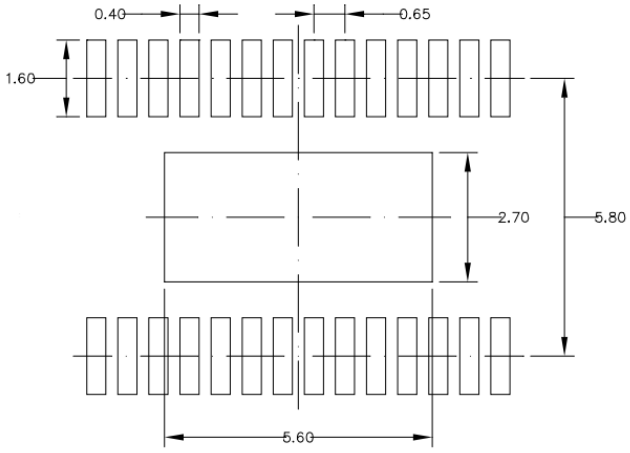

9.60
9.80
28
15
1.60
PIN 1 ID
4.30
4.50
6.20
6.60
1
14


5.40
5.60
2.50
2.70
6.25
BSC

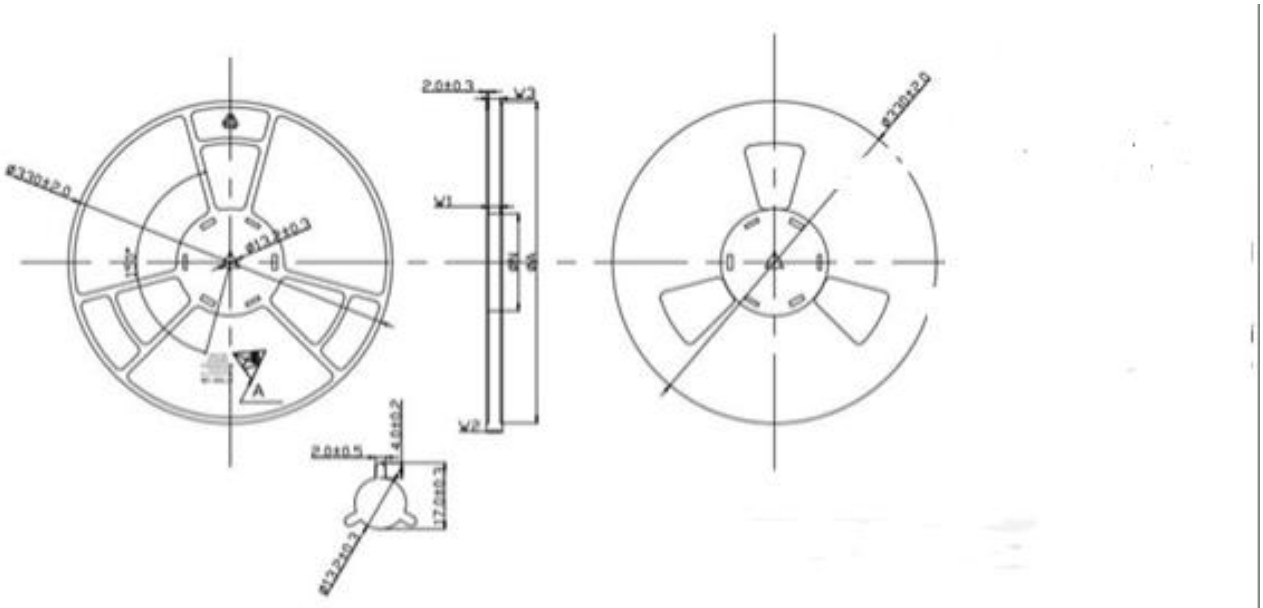

0.80
1.05
1.20 MAX
SEATING PLANE
0.19
0.30
0.65 BSC
0.05
0.15


0.09
0.20
SEE DETAIL "A"


GAGE PLANE
0.25 BSC
0°-8°
0.45
0.75


0.40
0.65
1.60
2.70
5.80
5.60

NOTE:



PRODUCT SPECIFICATIONS					
TYPE WIDTH	ØA	ØN	W1(min)	W2(Max)	W3(Max)
16MM	330±2.0	100±1.0	16.4	22.4	15.9/19.4