K H

I G H

-
-

G K H DC HI DGN

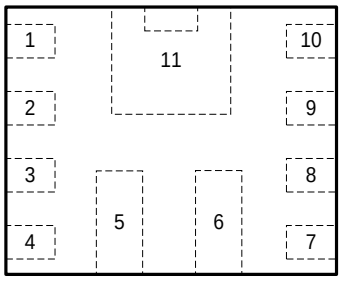
K DG G C DGB I DC

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

HDA I B MB B G I C H

DESCRIPTION	MIN	MAX	UNIT
			o
			o
			o

E C DC G I DC



E C C I DCH

NAME	NO.	PIN FUNCTION

G DBB C DE G I C DC I DCH

PARAMETER	DEFINITION	MIN	MAX	UNIT

H G I C H

PARAMETER	DEFINITION	MIN	MAX	UNIT

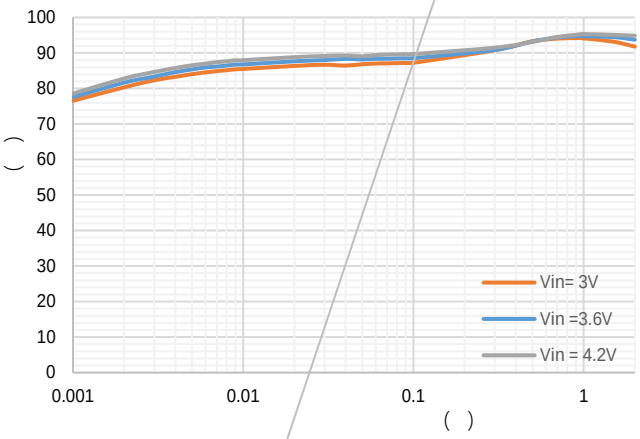
I GB A C DGB I DC

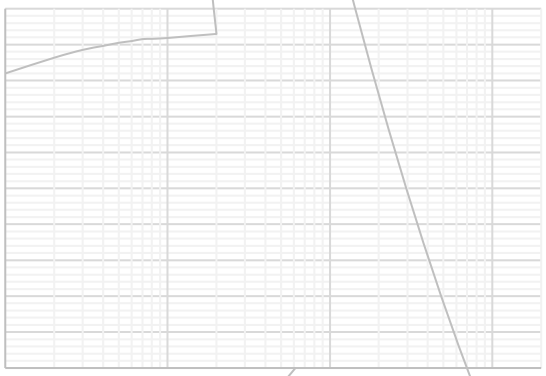
PARAMETER	THERMAL METRIC	QFN-11L	UNIT

A IG A G I GH H

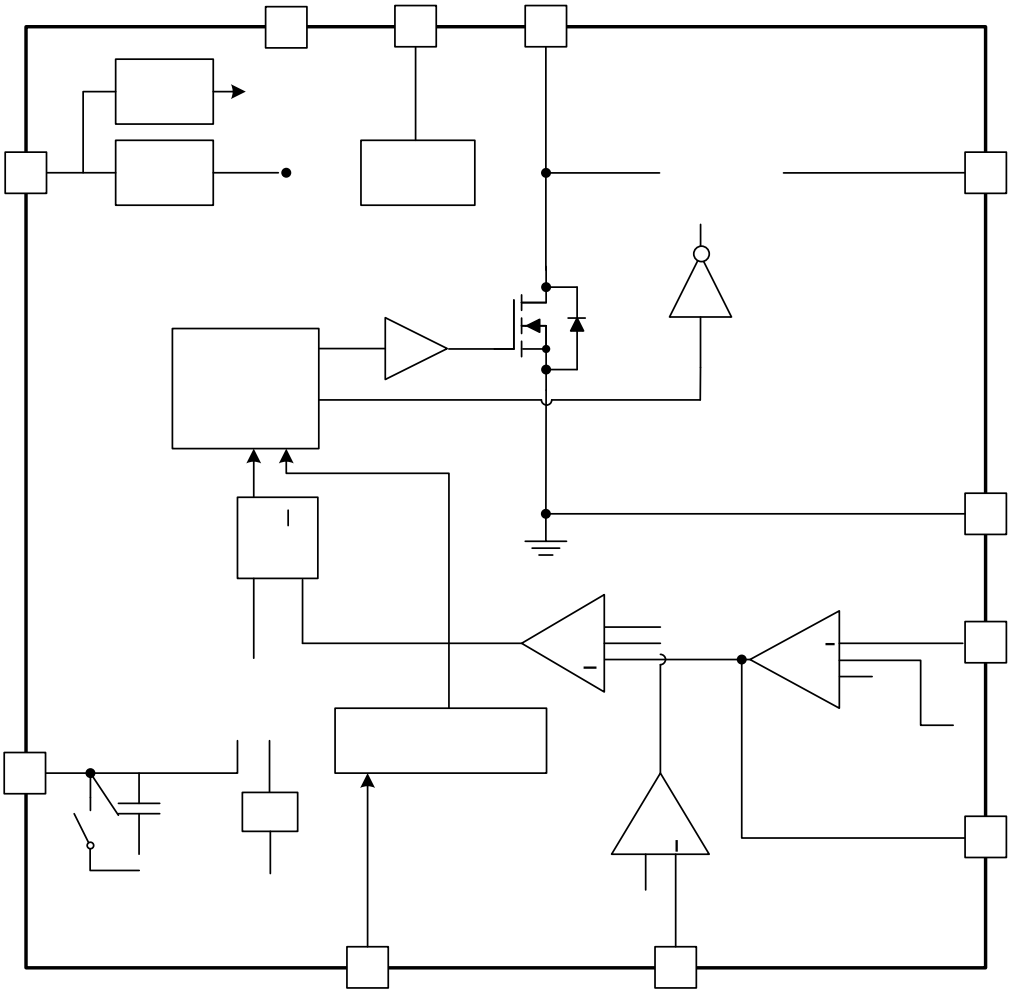
SYMBOL	PARAMETER	TEST CONDITION	MIN	TYP	MAX	UNIT
Power Supply and Output						
Reference and Control Loop						
Power MOSFETs						
Current Limit						
Enable						
Switching Frequency						
Protection						

I NE A ? G I G H H





C I DC A AD G B



DE G I DC

Overview

Adjustable Peak Current Limit

-
-

Adjustable Switching Frequency

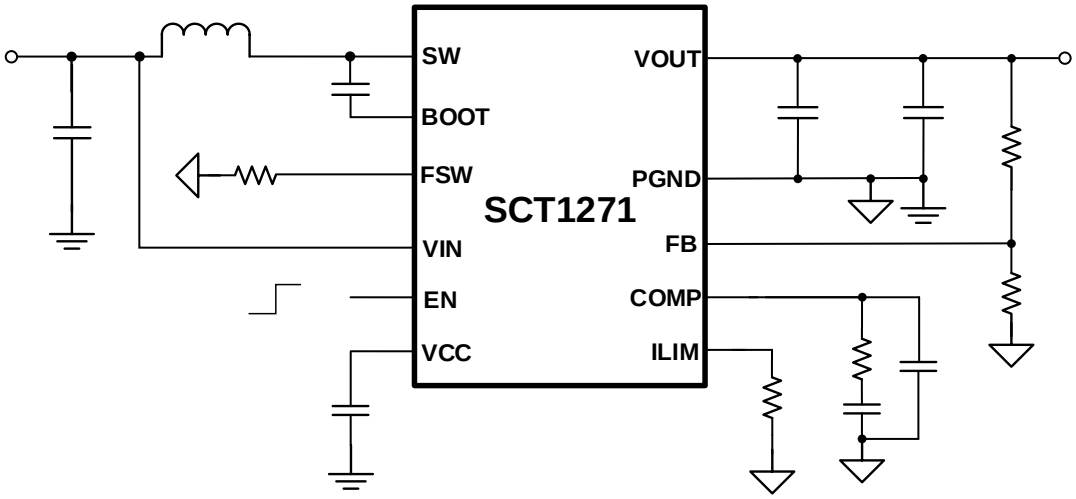
-
-
-
-
-

Over Voltage Protection and Minimum On-time

Thermal Shutdown

EEA I DC C DGB I DC

Typical Application



Design Parameters

Design Parameters	Example Value

Switching Frequency

Fsw	R_{FREQ}

Peak Current Limit

I_{LIM}	R_{LIM}

Output Voltage

V_{OUT}	R_1	R_2

Inductor Selection

Table 4. Recommended Inductors

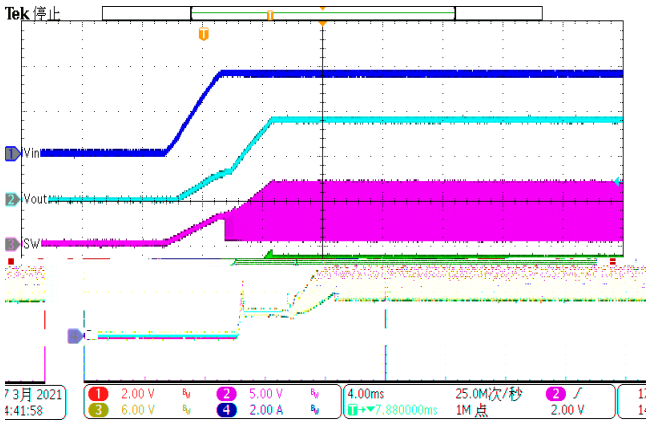
Part Number	L (uH)	DCR Max (mΩ)	Saturation Current/Heat Rating Current (A)	Size Max (LxWxH mm)	Vendor

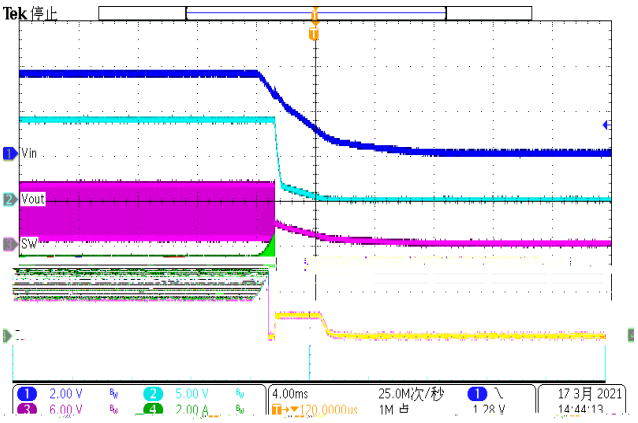
Input Capacitor Selection

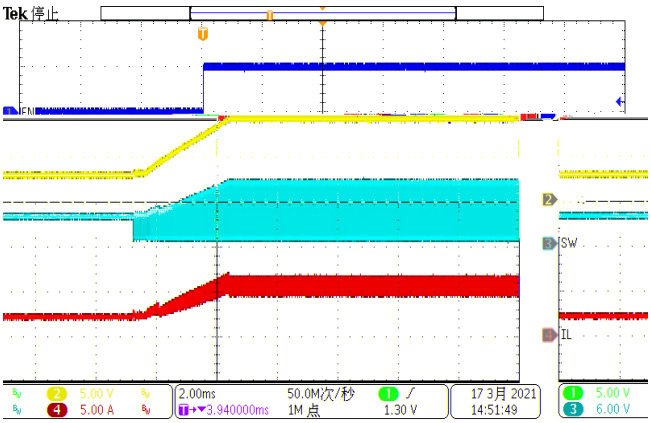
Output Capacitor Selection

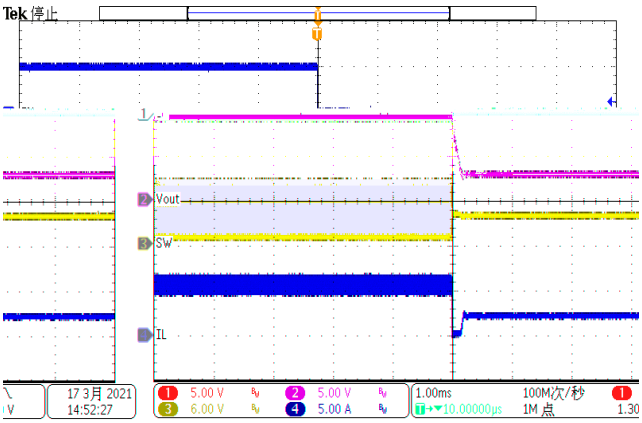
Loop Stability

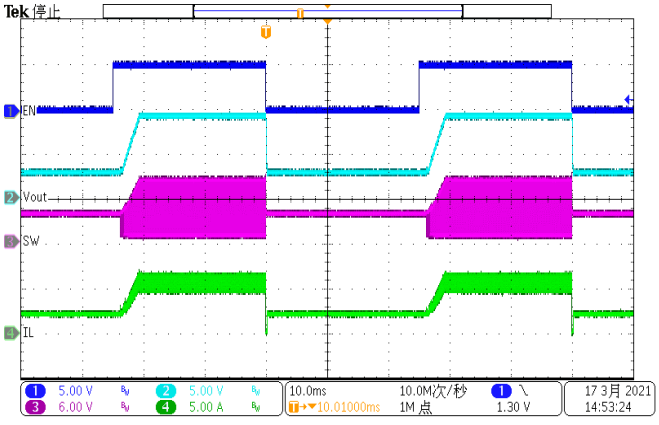
Application Waveforms

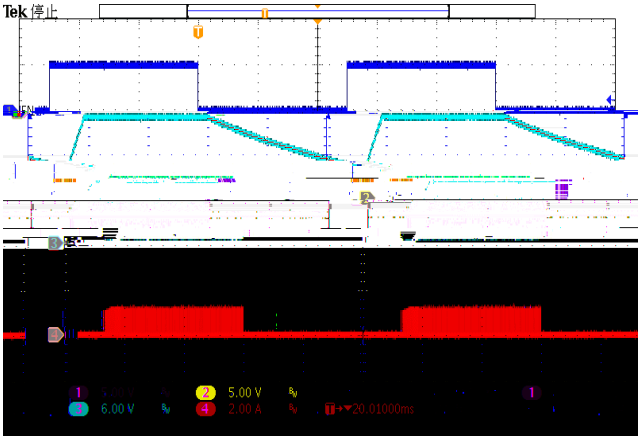




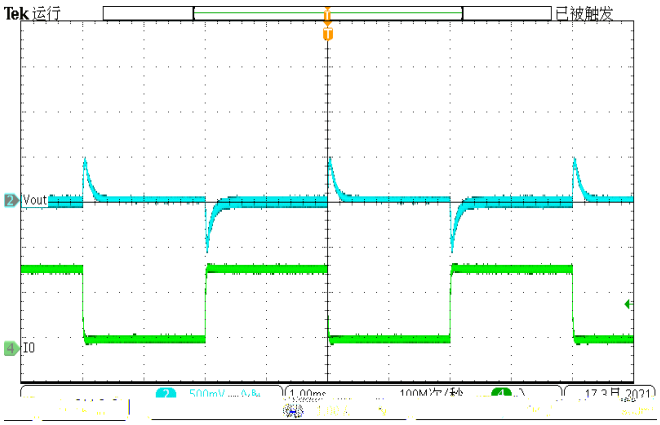


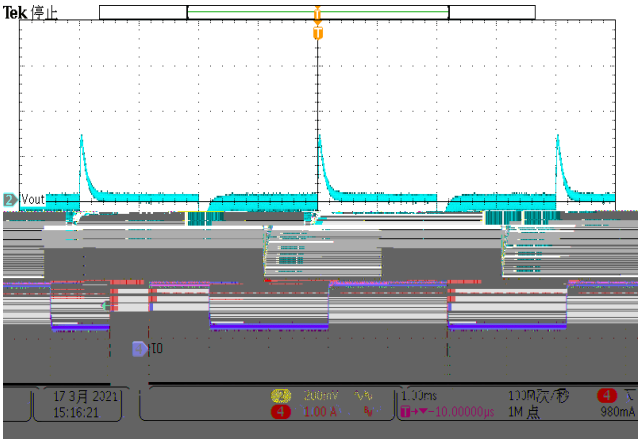


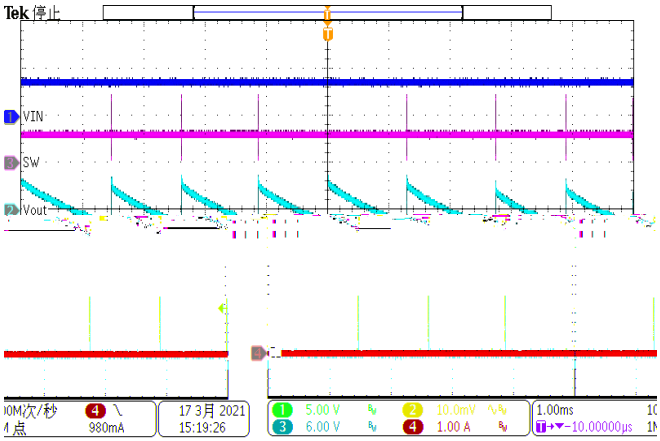


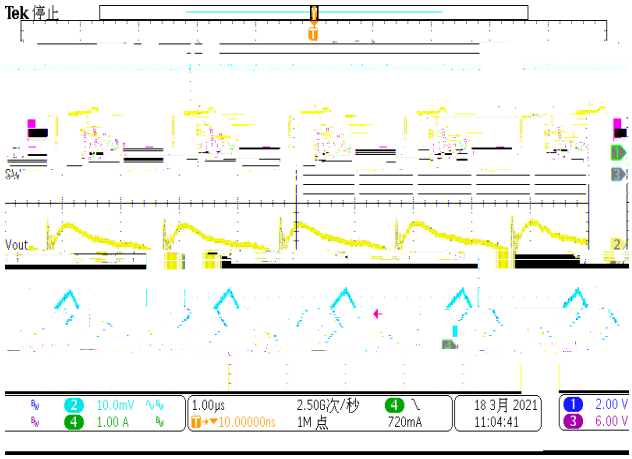


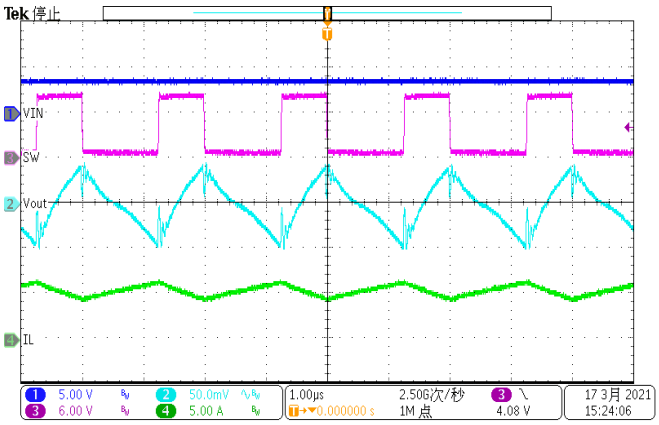
Application Waveforms(continued)

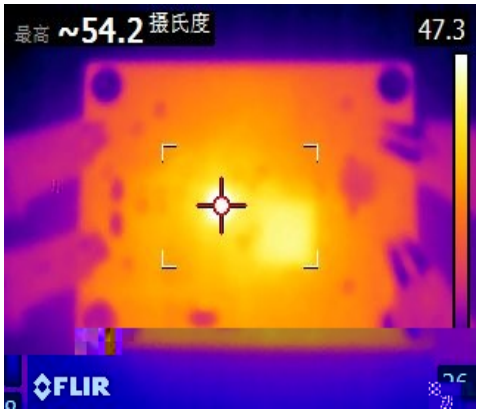




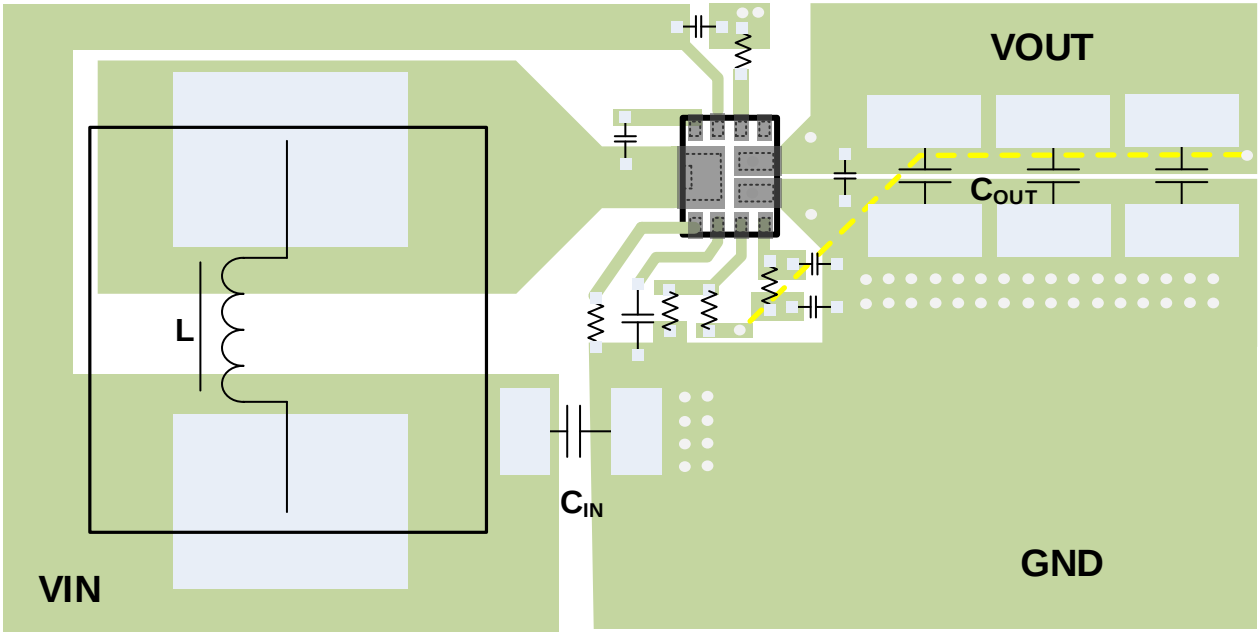








Layout Guideline



Thermal Considerations

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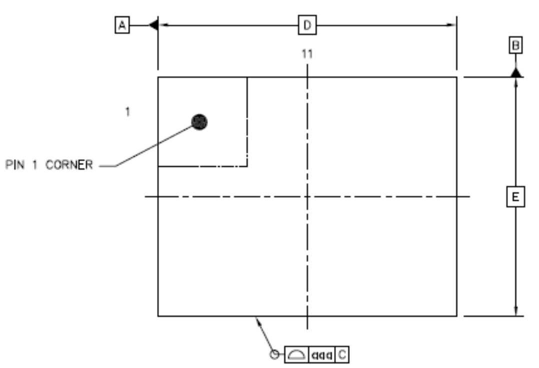
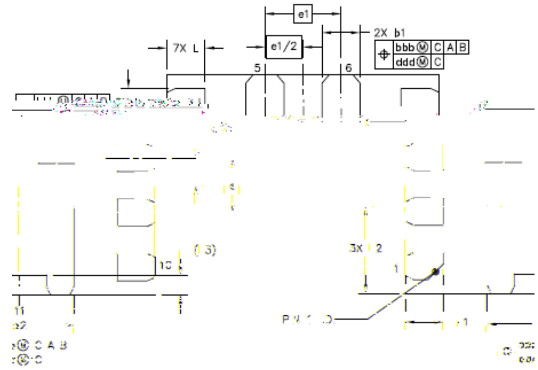
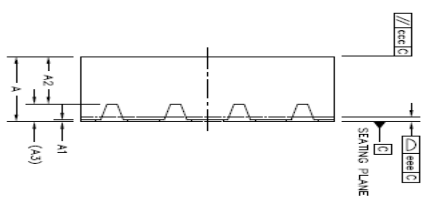
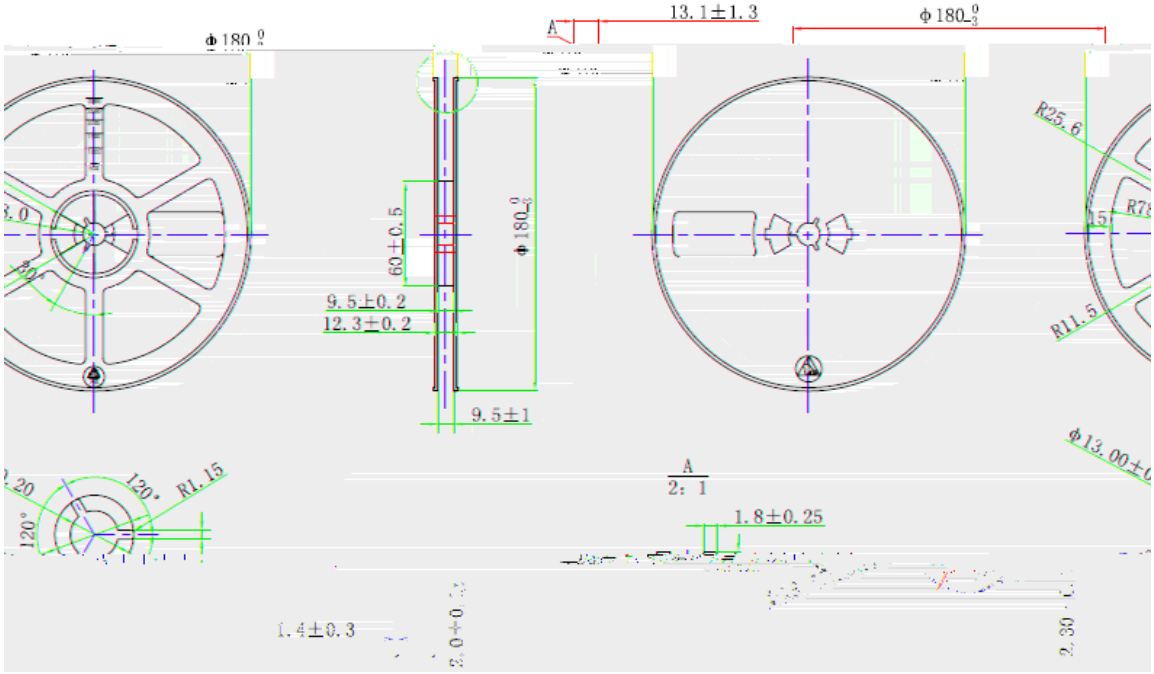
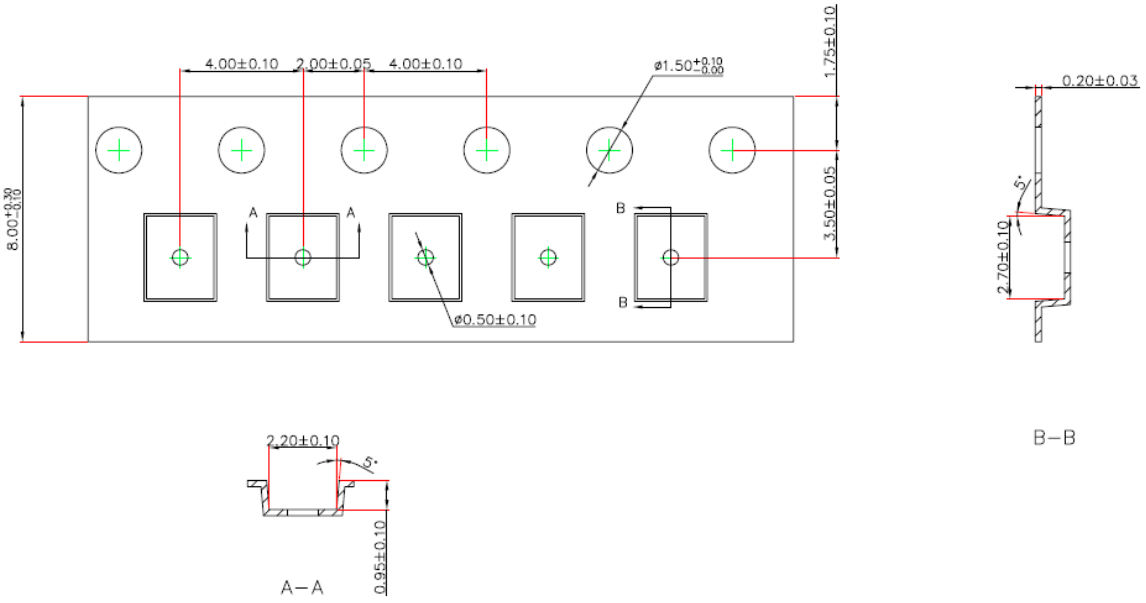
E C DGB I DC







NOTE:

SYMBOL	Unit: Millimeter		
	MIN	TYP	MAX

I E C G A C DGB I DC