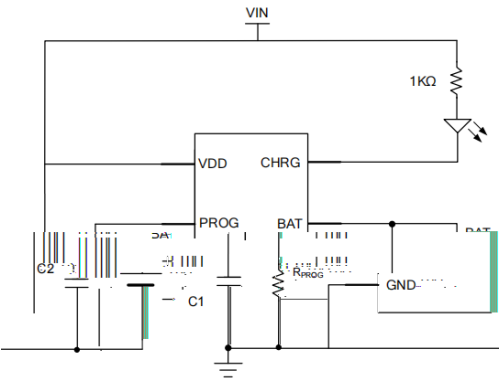


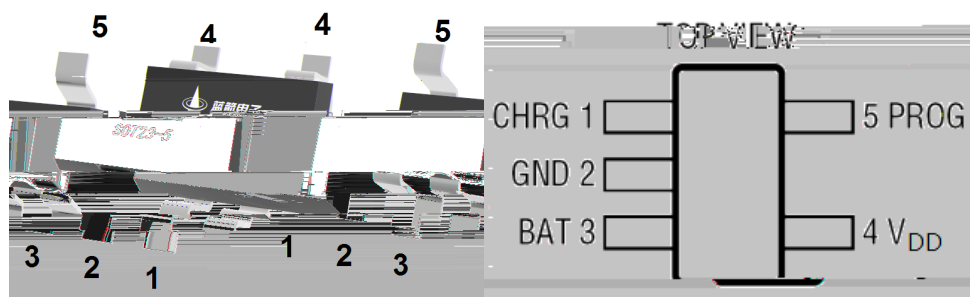
/ Descriptions				
BRCL4058HME-XX		/		
BRCL4058HME-XX		MOSFET		
4.0/4.2/4.35V		ISET		
1/10		BRCL4058HME-XX		
BRCL4058HME-XX		1		
μA				

/ Features				
28V				
15V				
6.5V				
800mA				
1% 4.0/4.2/4.35V				
MOSFET				
SOT23-5				
RoHS				

/ Applications

/ Application Circuit





PIN Num.	Symbol	Function
1	CHRG	
2	GND	
3	BAT	
4	V _{DD}	
5	SUR J	

/ Part Name

BRCL4058HME-XX	
XX	4.0 4.0V

PARAMETER	SYMBOL	RATINGS	UNITS
Input Supply Voltage	V _{IN}	-0.3~28	V
BAT Pin Voltage	V _{BAT}	-0.3~15	
Other Pin Voltage	V _{Other}	-0.3~6.5	
Operating Ambient Temperature Range	T _A	-40~+85	°C
Junction Temperature	T _J	150	°C
Storage Temperature	T _{stg}	-55~+150	°C
Lead Temperature (Soldering, 10s)	T _{solder}	260	°C
ESD	HBM	2000.V	

PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNITS
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/ Function description

	3.3V	6.5V	IC	BAT	2.6V
			BRCL4058HME-XX	1/10 ISET	
		BAT	2.6V		CC
ISET		BAT		BRCL4058HME-XX	
CV		CV		1/10	
			1/10		
	ISET		ISET	100mV	tTERM
1ms					
ISET					
		ISET			
(V _{ISET} =1V)					
			$I_{BAT} = \frac{1700 \times V_{ISET}}{R_{ISET}}$		
		BRCL4058HME-XX	BAT		
V _{Float} -150mV		80%	90%		
	UVLO				
			VIN		
	UVLO		UVLO		VIN
110mV					
			BRCL4058HME-XX		
	BAT	GND	300mV	BAT	GND
80mV					

CHRG FULL

EU F07388K P H0XX

FKUJ

FKUJ

FKUJ

	CHRG
VGG	

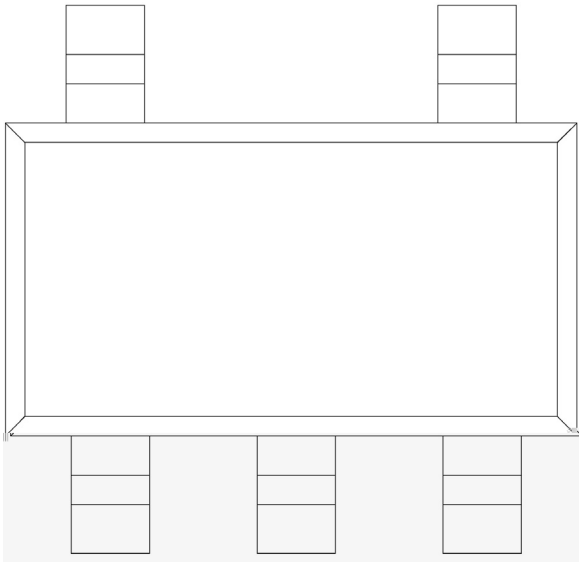
125

BRCL4058HME-XX
BRCL4058HME-XX

/ Package Dimensions



/ Marking Instructions



7388K
XX

BRCL4058HME-4.0	4058H*a2030	S
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() / Temperature Profile for IR Reflow Soldering(Pb-Free)

- Note:
- 1

150 180 60 90sec;

1.Preheating:150~180 , Time:60~90sec.
- 2

245±5 5±0.5sec;

2.Peak Temp.:245±5 , Duration:5±0.5sec.
- 3

2 10 /sec.

3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

260±5 10±1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units	Dimension	(unit mm ³)
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