

BRCL4058H Series

Rev.C Nov.-2024



蓝箭电子
BLUE ROCKET ELECTRONICS

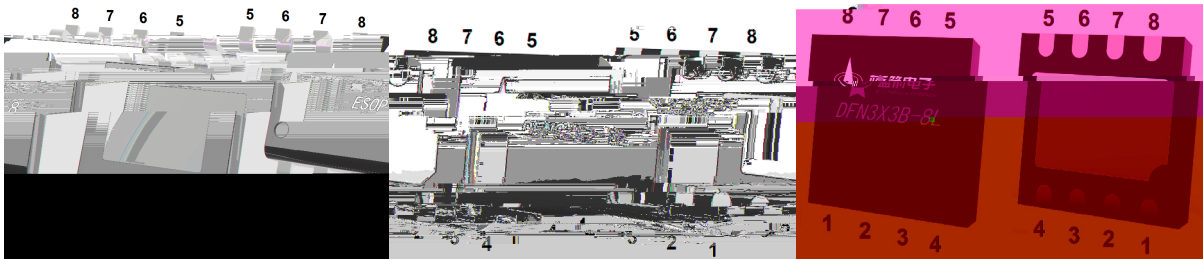
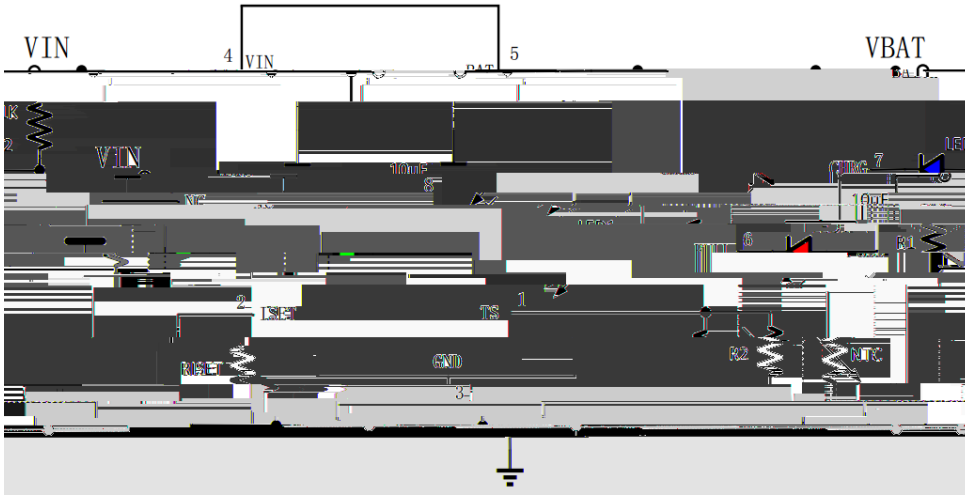
DATA SHEET

BRCL4058H SREIES

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BRCL4058H SREIES

MOSFET



PIN Num.	Symbol	Function
1	TS	
2	④<K'	(fl I ④<K ④8K4 (. ' ' !M④<K& ④<K'
3	GND	
4	VIN	
5	BAT	
6	FULL	
7	CHRG	
8	NC	

/ Part Name

BRCL4058H

SE:ESOP-8 ZZ:

PARAMETER

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DATA SHEET

PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNITS
BAT Pin Current	I _{BAT}	R _{ISET} =17k, Constant Current Mode		100		mA
		R _{ISET} =3.4k, Constant Current Mode		500		mA
		R _{ISET} =1.7k, Constant Current Mode (ESOP-8 & DFN3x3B-8L)		1000		mA
		R _{ISET} =2.1k, Constant Current Mode =1.7k, 030042x6 (1(2-82774B)-774B(8)t Mod)-1.600	500	0042x6 (1(2-82774B)-774B(8)t Mod)-1.600		

/ Function description

	3.3V	6.5V	IC	BAT	2.6V	
			BRCL4058H SREIES	1/10	ISET	
ISET			BAT	2.6V		CC
	CV		BAT		BRCL4058H SREIES	
			CV		1/10	
			1/10			
1ms	ISET		ISET	100mV		tTERM
	ISET					
	(VISET=1V)		ISET			
			$I_{BAT} = \frac{1.700 \times VISET}{RISET}$			
4.05V		BRCL4058H SREIES	BAT			
		80%	90%			
	UVLO					
	UVLO		VIN			VIN
110mV			UVLO			
	BRCL4058H SREIES					
	BAT	GND	300mV	BAT		GND
80mV						

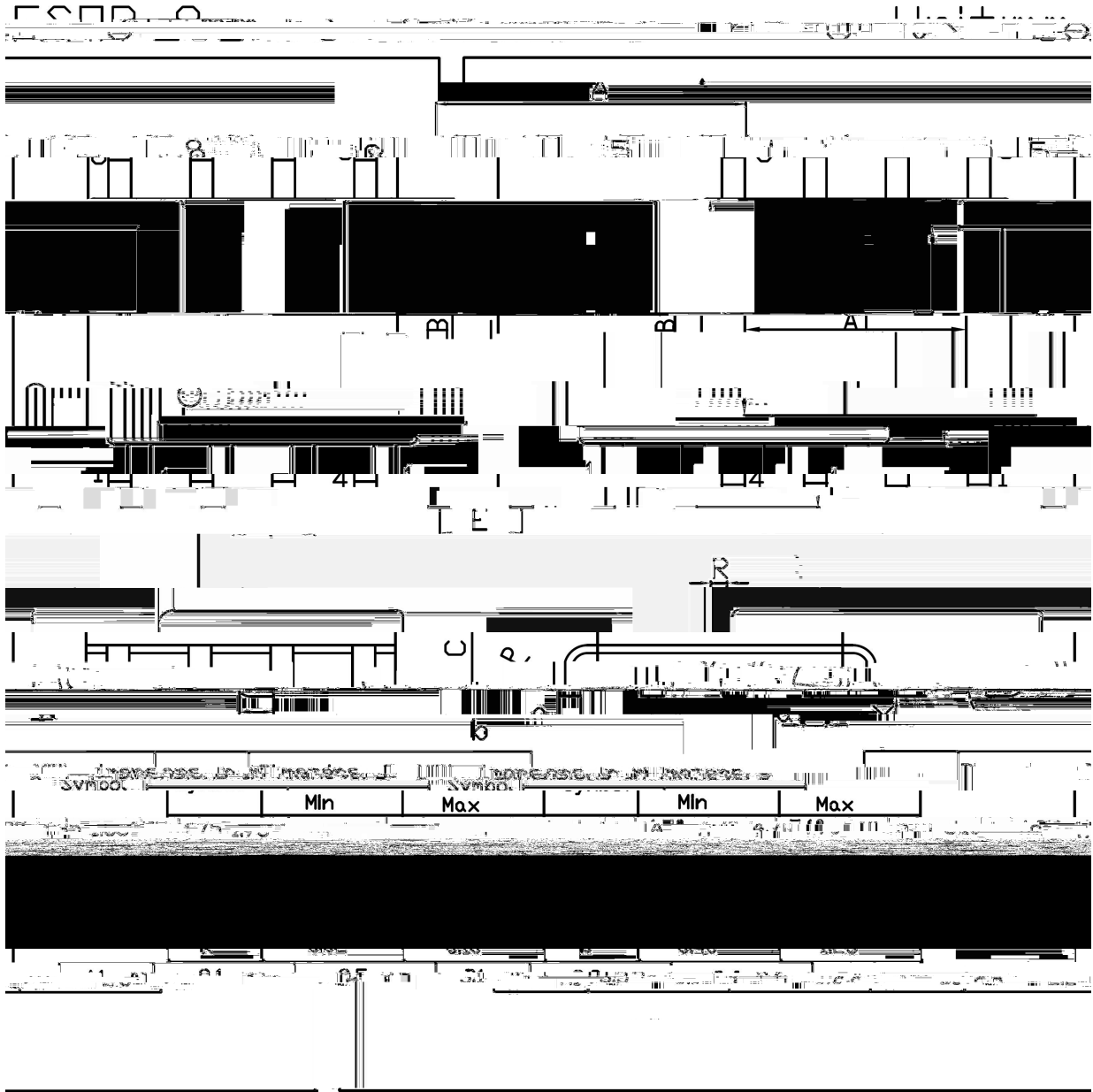
CHRG FULL

CHRG

FULL

	LED/CHRG	LED/FULL

/ Package Dimensions



BRCL4058H Series

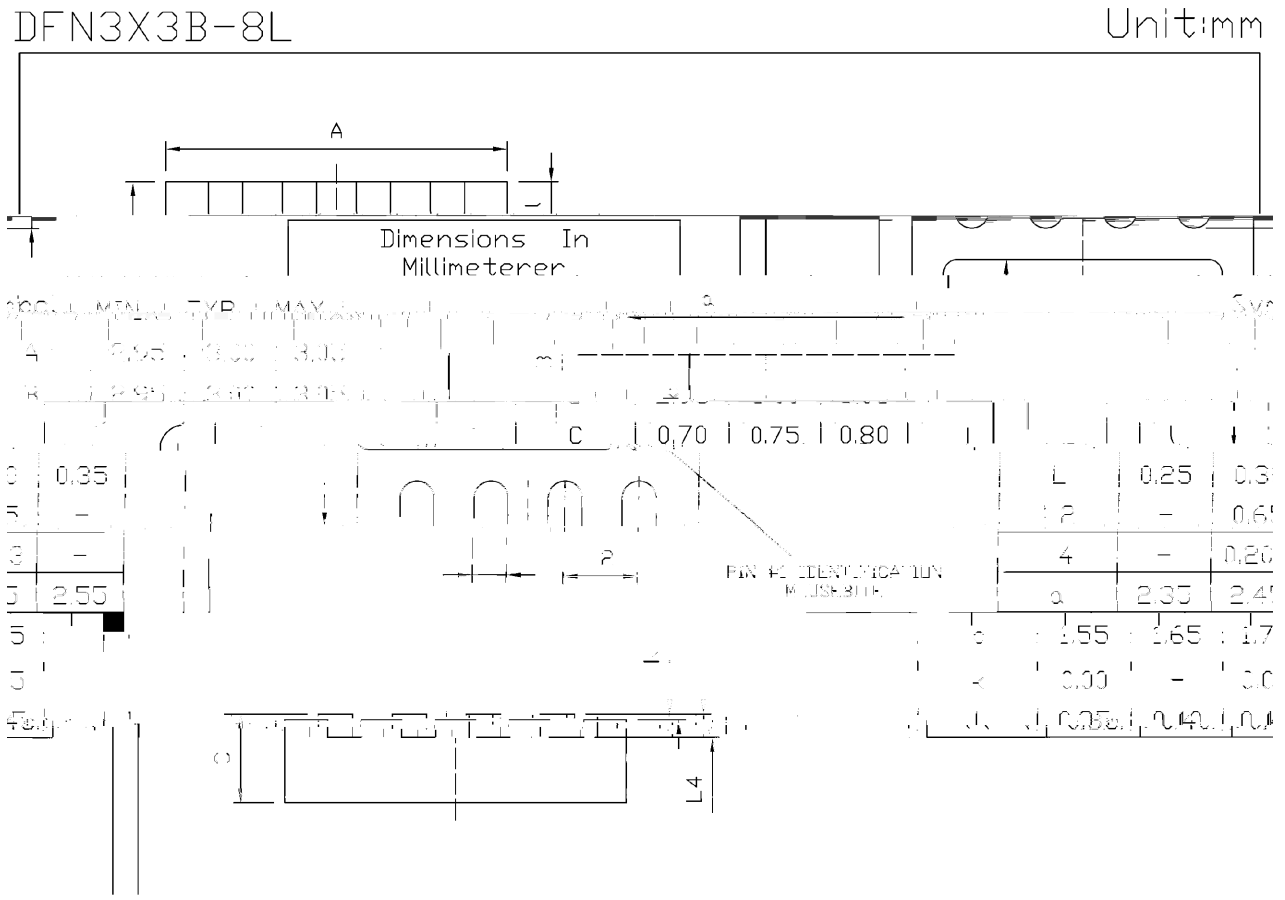
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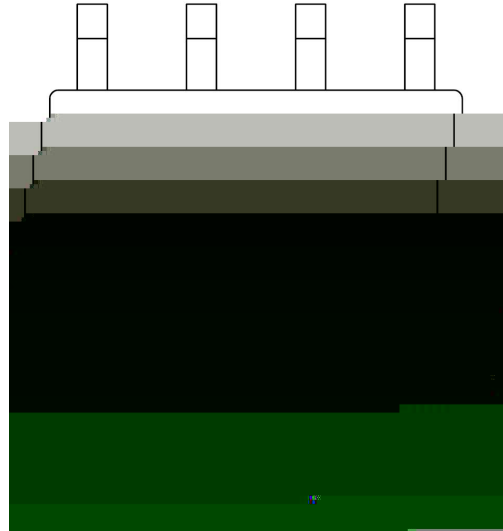
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DATA SHEET

/ Package Dimensions



ESOP-8 / ESOP-8 Marking Instructions



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BRCL4058HSE-4.0	BR/4058H-40/****
BRCL4058HSE-4.2	BR/4058H-42/****

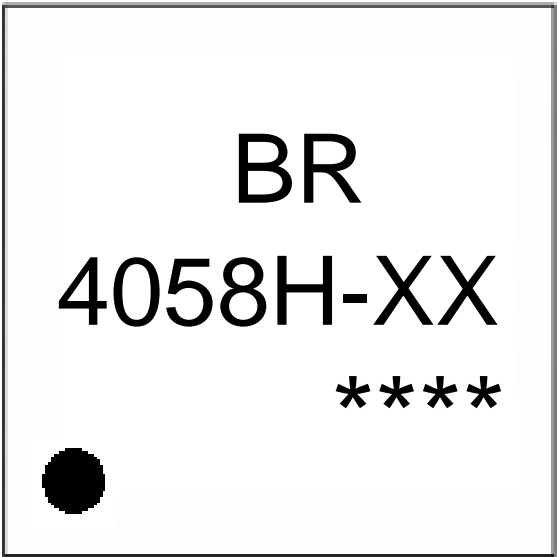
DFN2×2-8L / DFN2×2-8L Marking Instructions



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BRCL4058HZZ-4.0	BR/4058H-40/****
BRCL4058HZZ-4.2	BR/4058H-42/****
BRCL4058HZZ-4.35	BR/4058H-435/****

DFN3×3B-8L / DFN3×3B-8L Marking Instructions



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BRCL4058HZR-4.0	BR/4058H-40/****
BRCL4058HZR-4.2	BR/4058H-42/****
BRCL4058HZR-4.35	BR/4058H-435/****

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DATA SHEET

() / 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