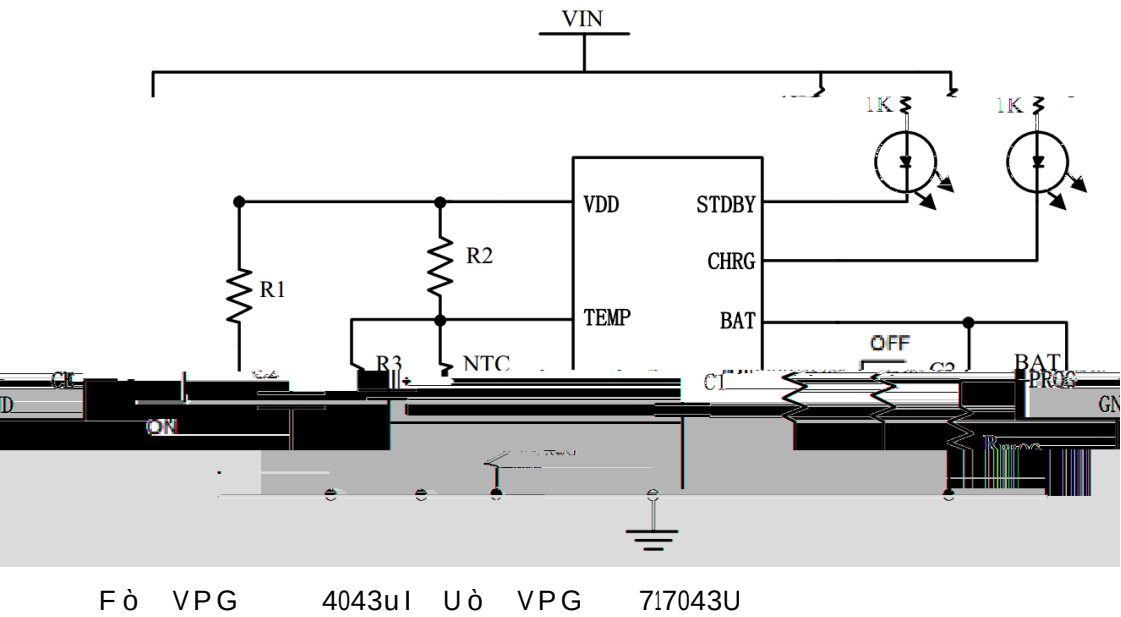
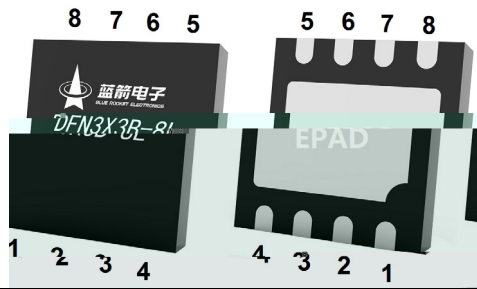


BRCL4070ZR-4.2		1.2A		/	
i		x		BRCL4070ZR-4.2	
P-MOSFET		i	j		
4.2V				4.2V	6 1/10
Q	B	BRCL4070ZR-4.2		Q	

- ◆ 6.8V OVP
- ◆ 36V
- ◆
- ◆ 0V
- ◆ 1.2A
- ◆ / / s
- ◆
- ◆
- ◆ 2.8V
- ◆
- ◆ DFN3×3B-8L
- ◆ RoHS

- ◆ XVE
- ◆
- ◆
- ◆





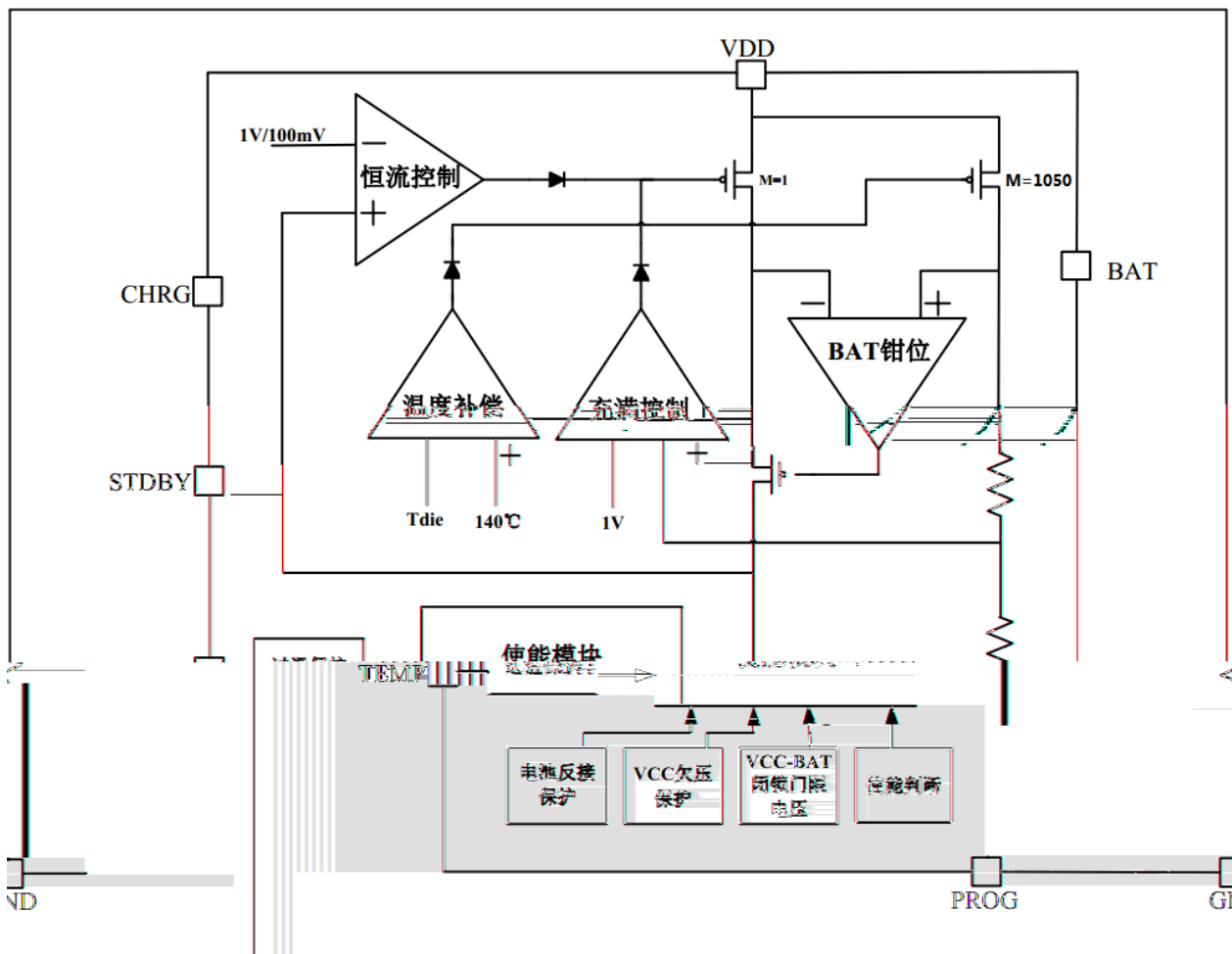
1	TEMP	j
2	SUR J	
3	GND	Q
4	VDD	8Y
5	BAT	
6	STDBY	6
7	CHRG	
8	CE	Q H Q ß
EPAD	GND	Q

VDD/CHRG/STDBY Pin Voltage	V _{VDD/CHRG/STDBY}	-0.3~30	V
VCE Pin Voltage	V _{CE}	-0.3~36	
BAT Pin Voltage	V _{BAT}	-5~15	
PROG Pin Voltage	V _{PROG}	-0.3~6	
TEMP Pin Voltage	V _{TEMP}	-0.3~25	
Operating Ambient Temperature Range	T _{OP}	-40~+85	°C
Storage Temperature	T _{stg}	-55~+150	°C
Lead Temperature (Soldering, 10s)	T _{solder}	260	°C
ESD	HBM	2000	V
	MM	200	V

Input Supply Voltage	V _{DD}		4.5	5.0	6.0	V
V _{DD} Under Voltage Lockout Threshold	V _{DD_UV}	V _{DD} from Low to High		3.8		V
V _{DD} Under voltage Lockout Hysteresis	V _{DD_UV_HYS}	V _{DD} from High to Low		200		mV
Input Over-Voltage Protection Voltage	V _{DD_OVP}		6.3	6.8	7.3	V
Input Over-Voltage Protection Voltage Hysteresis	V _{DD_OVP_HYS}			500		mV
Input Power Supply Current	I _{CC}	Charging mode (R _{PROG} =1K)		240	360	μA
		Standby mode, charging terminated		70	120	μA
		Shutdown mode (R _{PROG} not connected, V _{CC} <V _{BAT})		50	100	μA
R _{PROG} voltage at Constant Current Mode	V _{PROG}	V _{DD} =5V;R _{PROG} =1K	0.85	1	1.15	V

BAT Pin Current I

CHRG Pin Output Current	I _{CHRG}	V _{DD} =5V;V _{CHRG} =1V	1	2.5	5	mA
STDBY Pin Output Current	I _{STDBY}	V _{DD} =5V;V _{STDBY} =1V	1	2.5	5	mA
Internal Temperature Compensation	T _{OTC}			140		
Overtemperature Detection Threshold	T _{OTPH}	WHPS QWF	43%* VDD	45%* VDD		V
Low Temperature Detection Threshold	T _{OTPL}	WHPS QWF		80%* VDD	82%* VDD	V





BRCL4070ZR-4.2 /
BRCL4070ZR-4.2 USB AC 1.2A ,
36V 6.8V I



VDD 6 UVLO i PROG ъ 1%
љ ѧ BAT H 2.8V,
□ 1/5 6
κ BAT 6 2.8V i %
BAT BRCL4070ZR-4.2
6 1/10 ѧ



$I_{CH} = 1050/R_{PROG}$ τ I_{CH} H
 R_{PROG} R_{PROG} H 200mA İ
 $R_{PROG} = 1050/0.2 = 5.25K\Omega$
 R_{PROG} 1% τ ∴
ѧ R_{PROG} İ

$R_{PROG}(K\Omega)$	$I_{CH}(mA)$
1	1050
1.2	875
1.5	700
5	205
10	100



ñ ѧ ß BRCL4070ZR-4.2 o τ 2ms ε $T_{RECHARGE}$ ζ
BAT i í 6 4.05V ε 7 80 6 90 ζ
İ ѧ ε ζ
ѧ



Q 6 140 i BRCL4070ZR-4.2 y
I ß Q ÷ ε y



Q VDD VDD 6 i Q
UVLO ψ VDD 6 200mV Q j



BRCL4070ZR-4.2 I Q VDD
i Q VDD i * Q
*

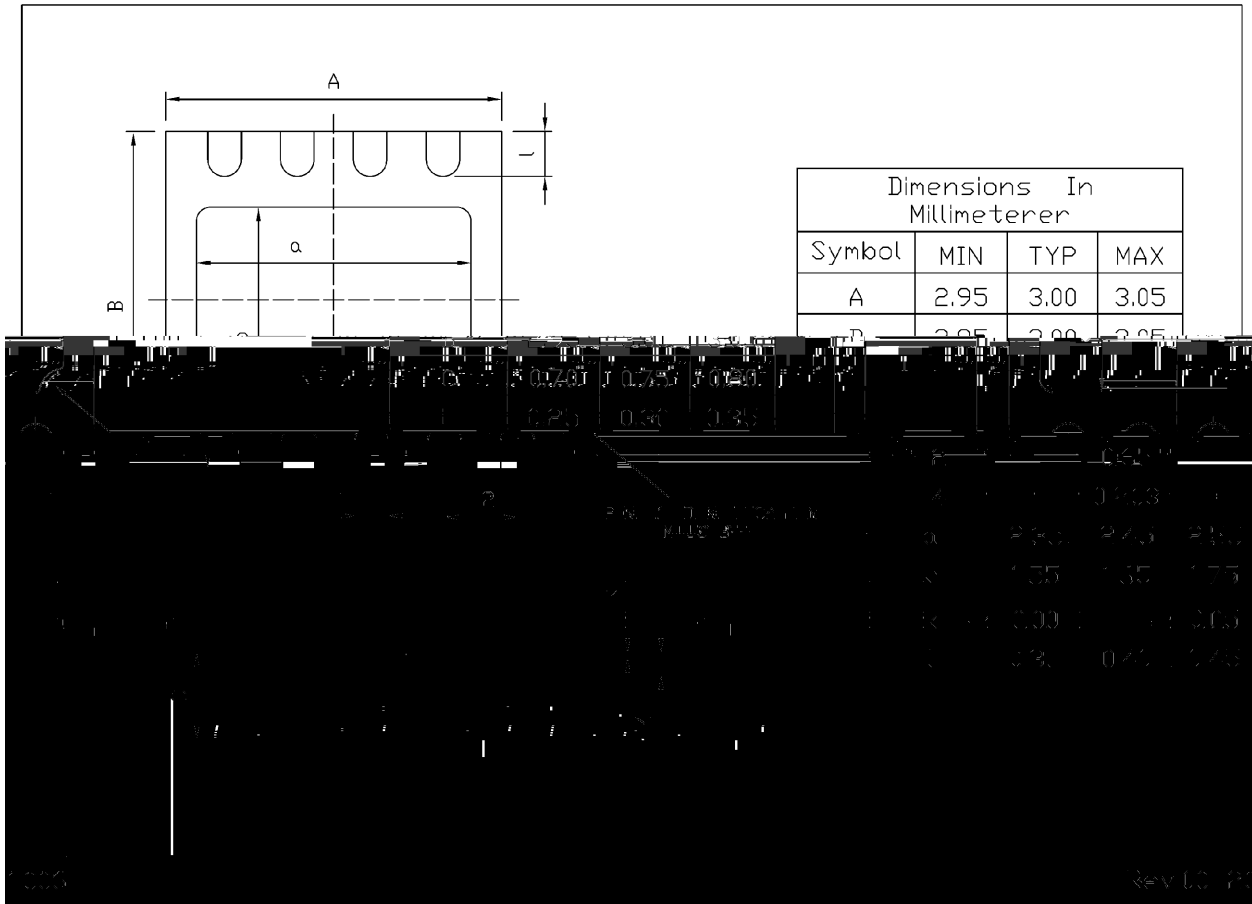


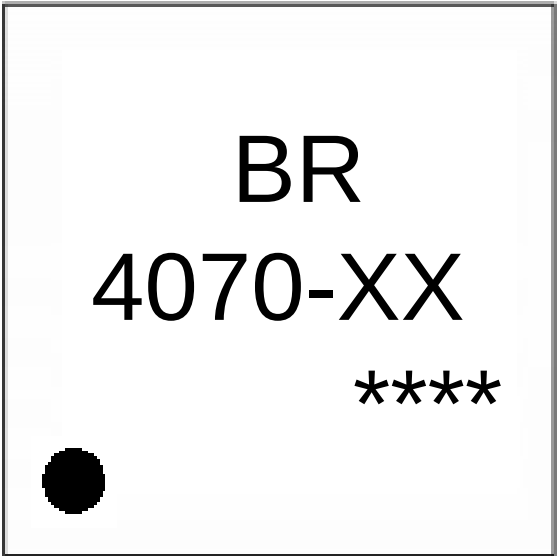
BRCL4070ZR-4.2 CHRG STDBY
CHRG H STDBY CHRG STDBY
j I j

	CHRG/	STDBY/
*		
H +WHPS ,		
YGG j		

DFN3X3B-8L

Unit:mm





EU

7373

XX

И

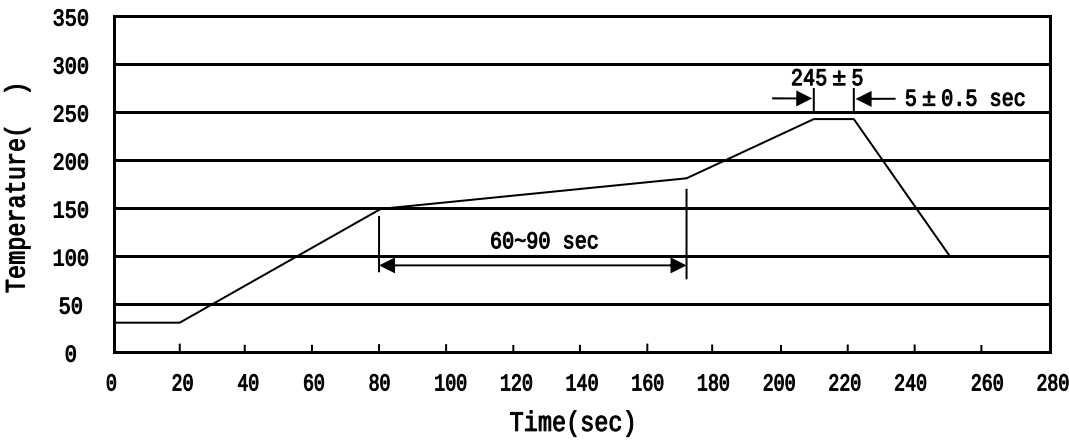
N

İ

N

N ψ

N	
BRCL4070ZR-4.2	BR/4070-42/****



Note:

- 11501806090sec;

2245±55±0.5sec;

3210/sec.
- 1.Preheating:150~180 , Time:60~90sec.

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

3. Cooling Speed: 2~10 /sec.

260±510±1 sec.Temp.:260±5Time:10±1 sec

/ REEL

Package Type	Units					Dimension (unit mm ³)		
DFN3×3B-8L	5,000	2	10,000	6	60,000	13 ×12	360×360×50	380×335×366

P

All information provided in this document is subject to legal disclaimers.