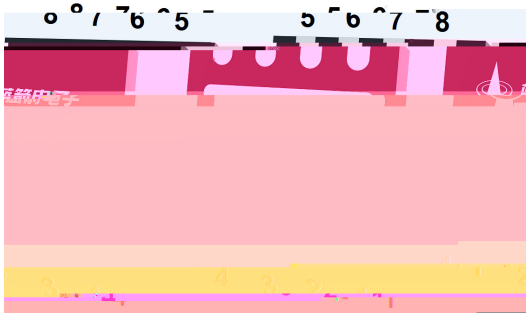


BRCL4058NZR	1A	BRCL4058NZR	4.2V
P-MOSFET	1	BRCL4058NZR	4.2V
1	1	1/10	Q5

/ Pinning



PIN Num.	Symbol	Function
1	TEMP	Temperature Sensor
2	SUR J	Surge Protection
3	GND	Ground
4	VDD	Power Supply
5	BAT	Battery
6	STDBY	Standby
7	CHRG	Charge
8	CE	Chip Enable

/ Absolute Maximum Ratings(Ta=25)

PARAMETER	SYMBOL	RATINGS	UNITS
VDD/CHRG/STDBY Pin Voltage	V _{VDD/CHRG/STDBY}	-0.3~36	V
VCE Pin Voltage	V _{CE}	-0.3~32	
BAT Pin Voltage	V _{BAT}	-5~15	
PROG Pin Voltage	V _{PROG}	-0.3~6	
TEMP Pin Voltage	V _{TEMP}	-0.3~15	
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

BRCL4058NZR-4.2

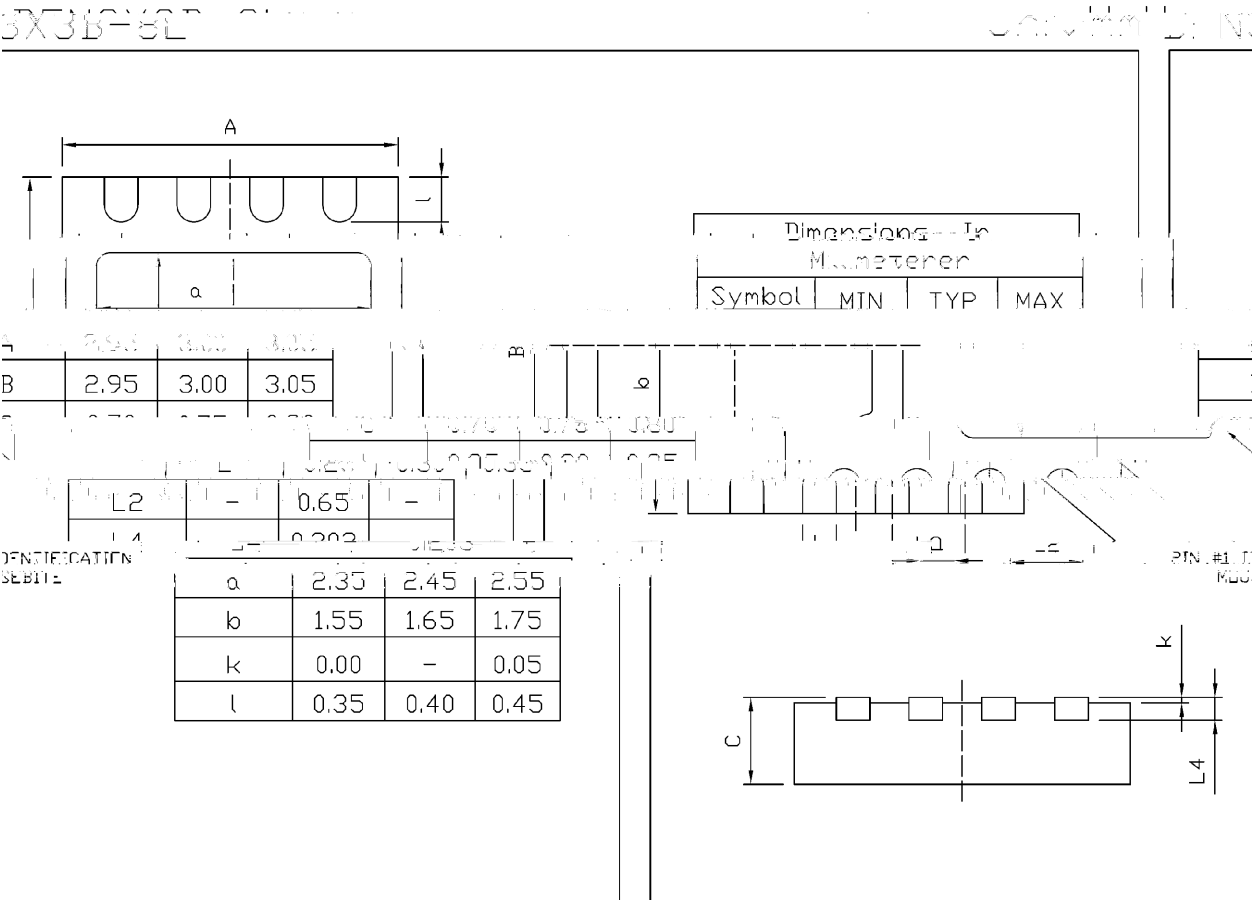
Rev.B Aug.-2025



DATA SHEET

PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNITS
Indicator Pin Status CHRG/STDBY						
CHRG Pin Output Current	I _{CHRG}	V _{DD} =5V;V _{CHRG} =1V	1	2.5	5	mA

/ Package Dimensions



Rev.00 202006

/ Marking Instructions



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BRCL4058NZR-4.2	BR/4058N-42/****

