/ Descriptions

BRCG5111 SERIES LED EMI

BRCG5111 SERIES ±3%

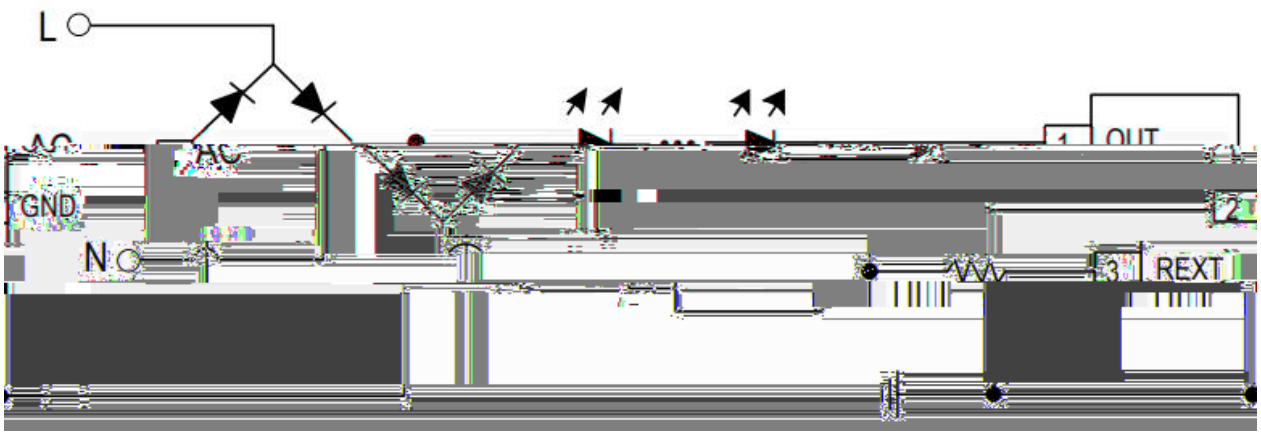
60 mA

BRCG5111 SERIES

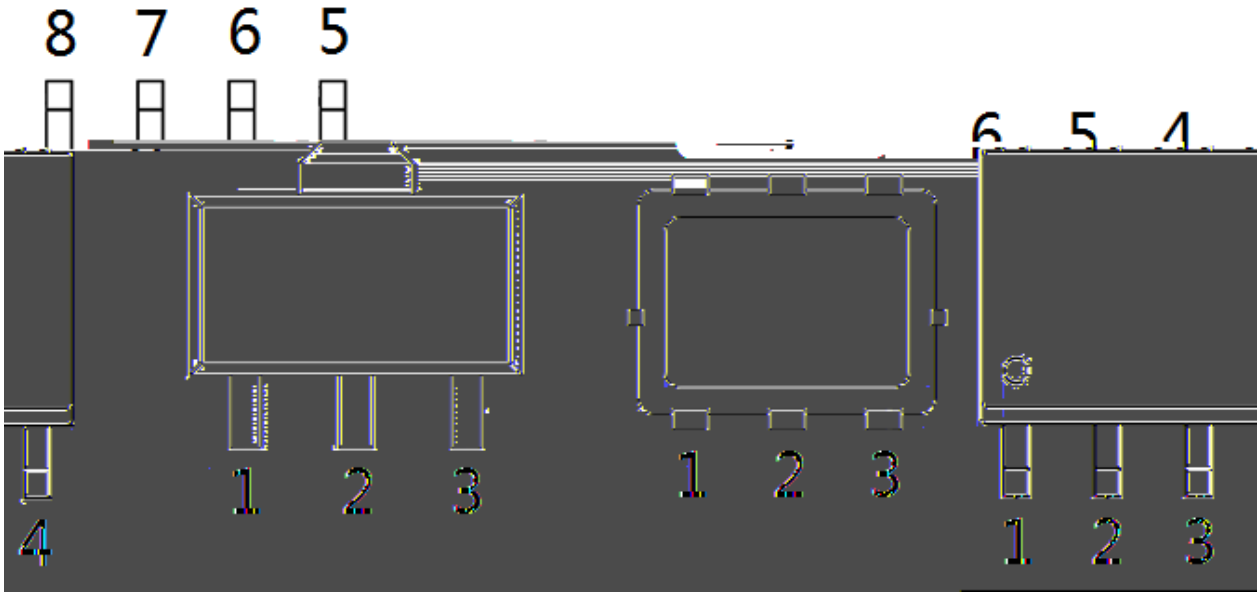
/ Features

-
-
- LED ESOP-8 SOT-89 60 mA
-
- ±3% LED
- EMI
-
- ESOP-8 SOT-89 PDFN3 2-6L

- LED
- LED /
- LED



/ Pinning



7	1	5	VOUT	
2	3	3	REXT	
1	2	1	GND	
3,4,5,6,8	/	2,4,6	NC	

/ Part Number

BRCG5111	

/ Absolute Maximum Ratings(Ta=25)

PN	ESOP-8 [1]	θ_{JA}	80	/W
PN	SOT-89 [1]	θ_{JA}	100	/W
PN	PDFN3 2-6L [1]	θ_{JA}	150	/W
		T_J	-40~160	
		T_{STG}	-65~150	
	[2]	ESD	2	KV

1 PCB 2Oz 2Inch^2 8
2 100pF 1.5KΩ

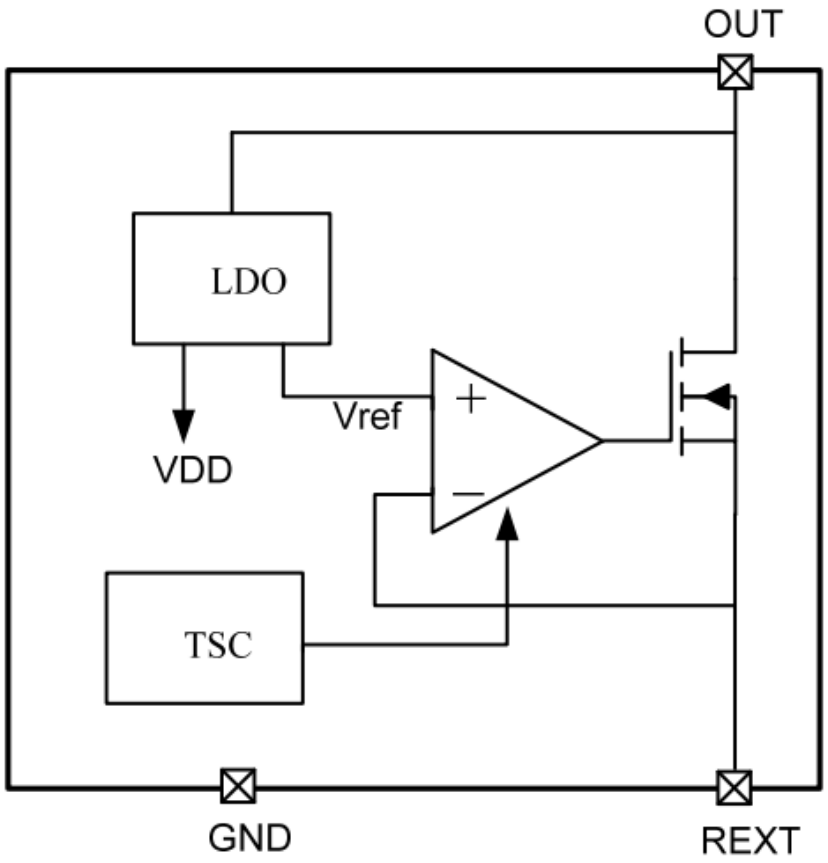
/ Working Range

I_{LED} ESOP-8 & SOT-89	220Vac	<60	mA
I_{LED} PDFN3 2-6L	220Vac	<40	mA

/ Electrical Characteristics(T_A=25)

OUT	V_{OUT_MIN}	I_{OUT} = 30mA			6.5	V
OUT	V_{OUT_BV}	I_{OUT} = 0	500			V
	I_{DD}	V_{OUT} = 10V REXT		80	150	μA
	I_{OUT}	ESOP-8 & SOT-89	5		60	mA
	I_{OUT}	PDFN3 2-6L	5		40	mA
REXT	V_{REXT}	V_{OUT} = 10V	582	600	618	mV
I_{OUT}	dI_{OUT}	I_{OUT} = 20mA		± 3		%
	T_{SC}			150		

/ Functionl Block Diagram



/ Functional Description

BRCG5111 SERIES LED EMI

(OUT)

BRCG5111 SERIES OUT OUT GND
BRCG5111 SERIES

OUT REXT

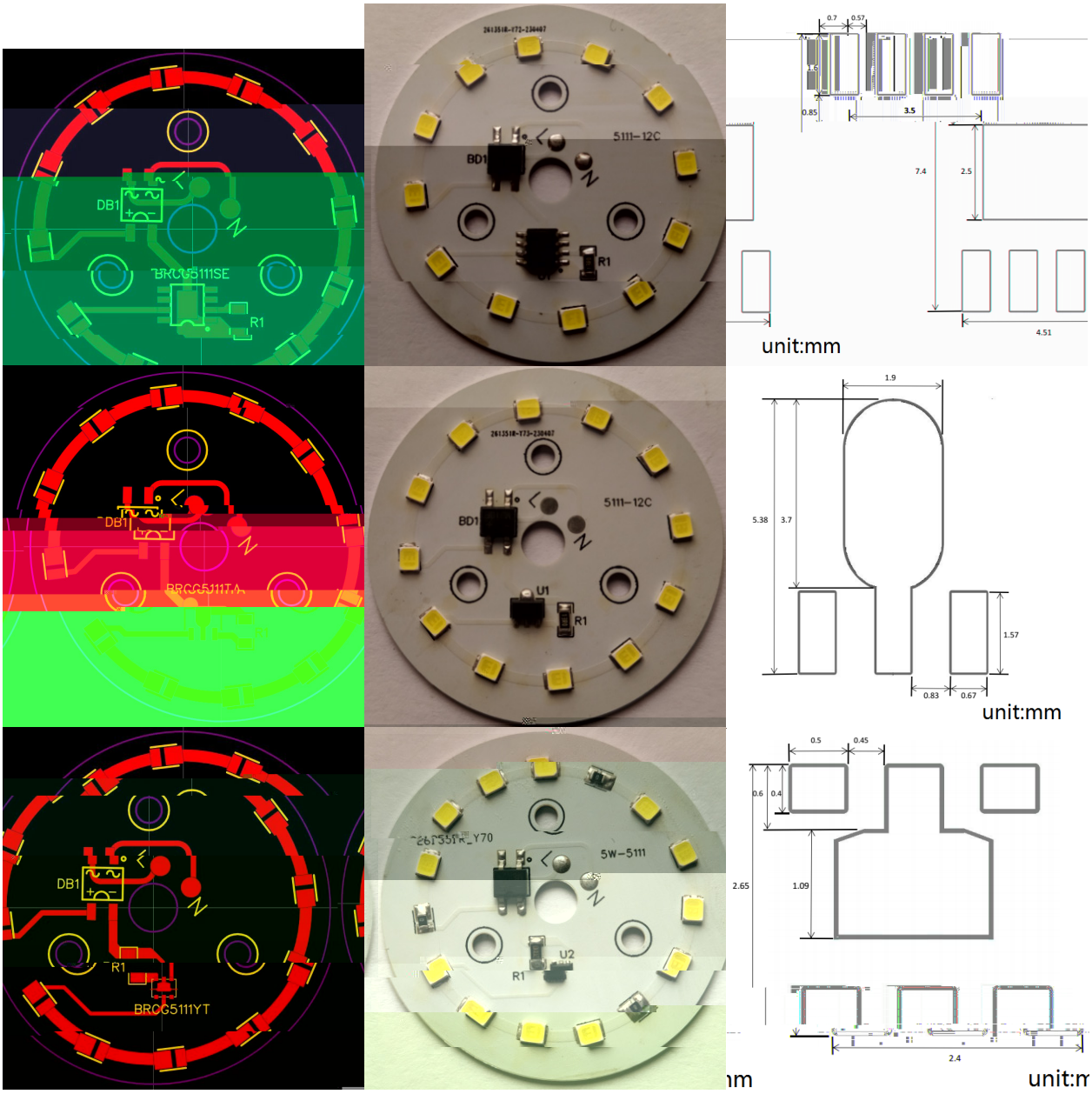
REXT LED

$$I_{LED} = \frac{600mV}{REXT(\Omega)} \ mA$$

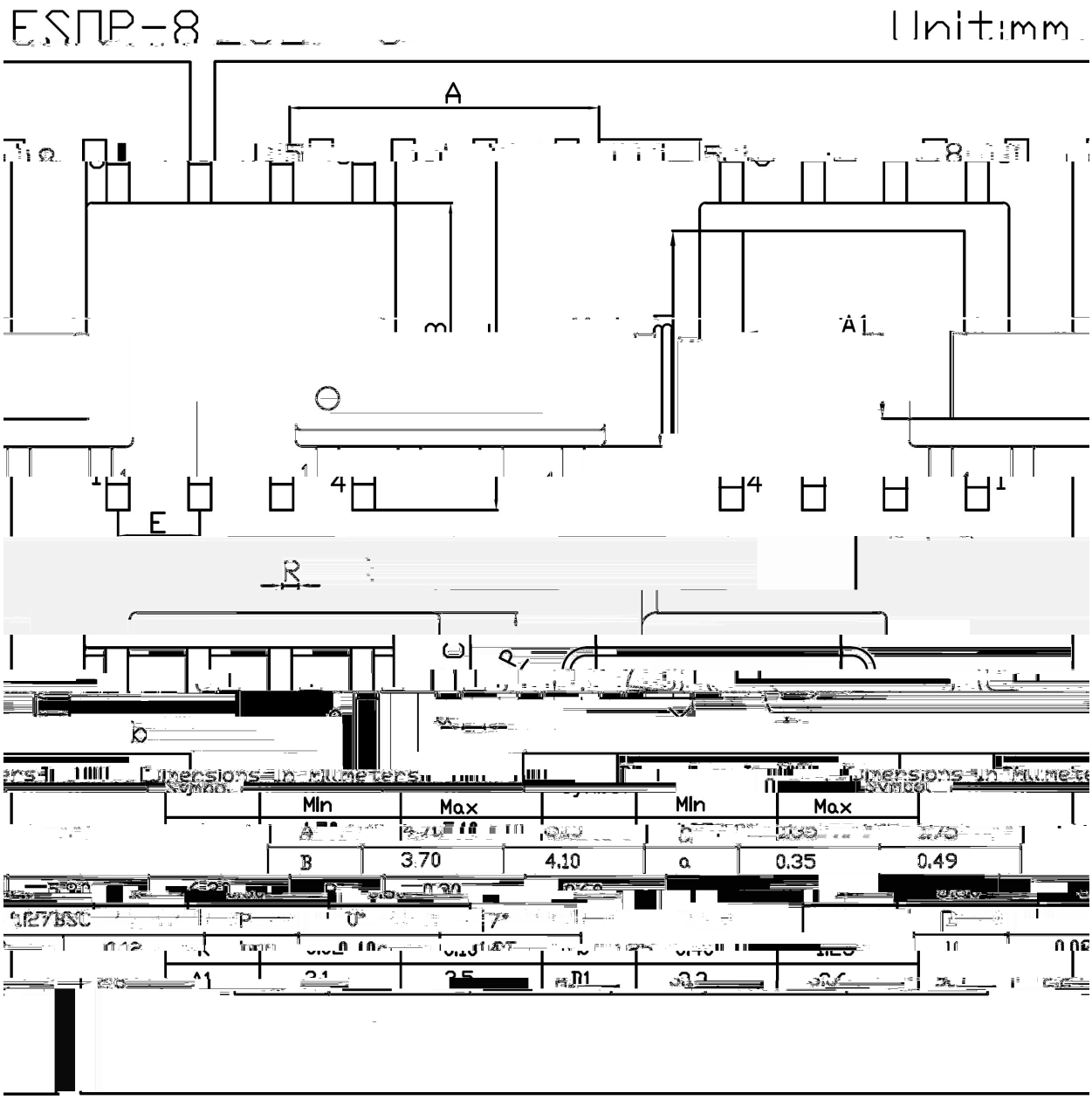
BRCG5111 SERIES >TSC

TSC

PCB & & / PCB picture or Actual picture or Mounting pad size



/ Package Dimensions



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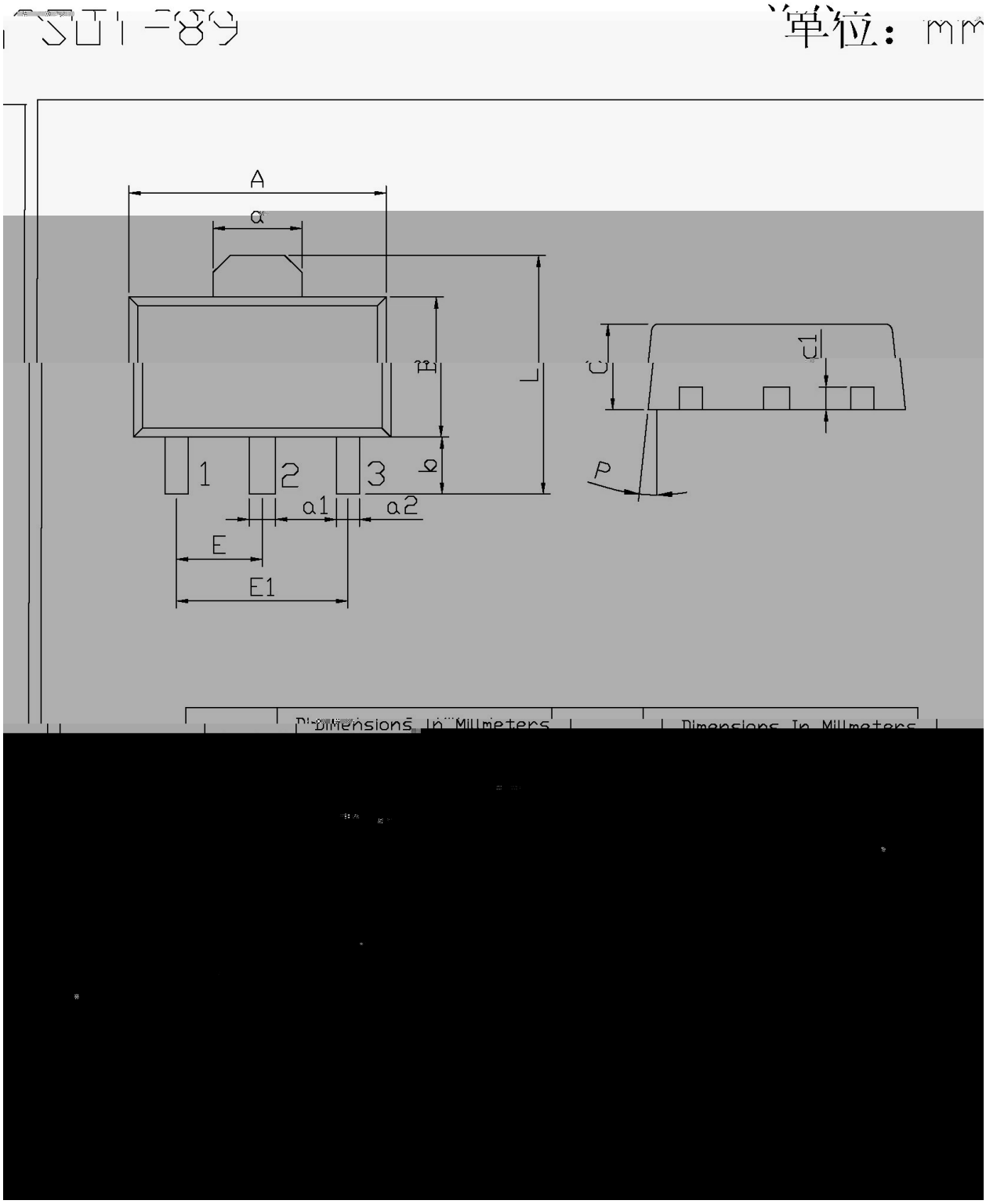
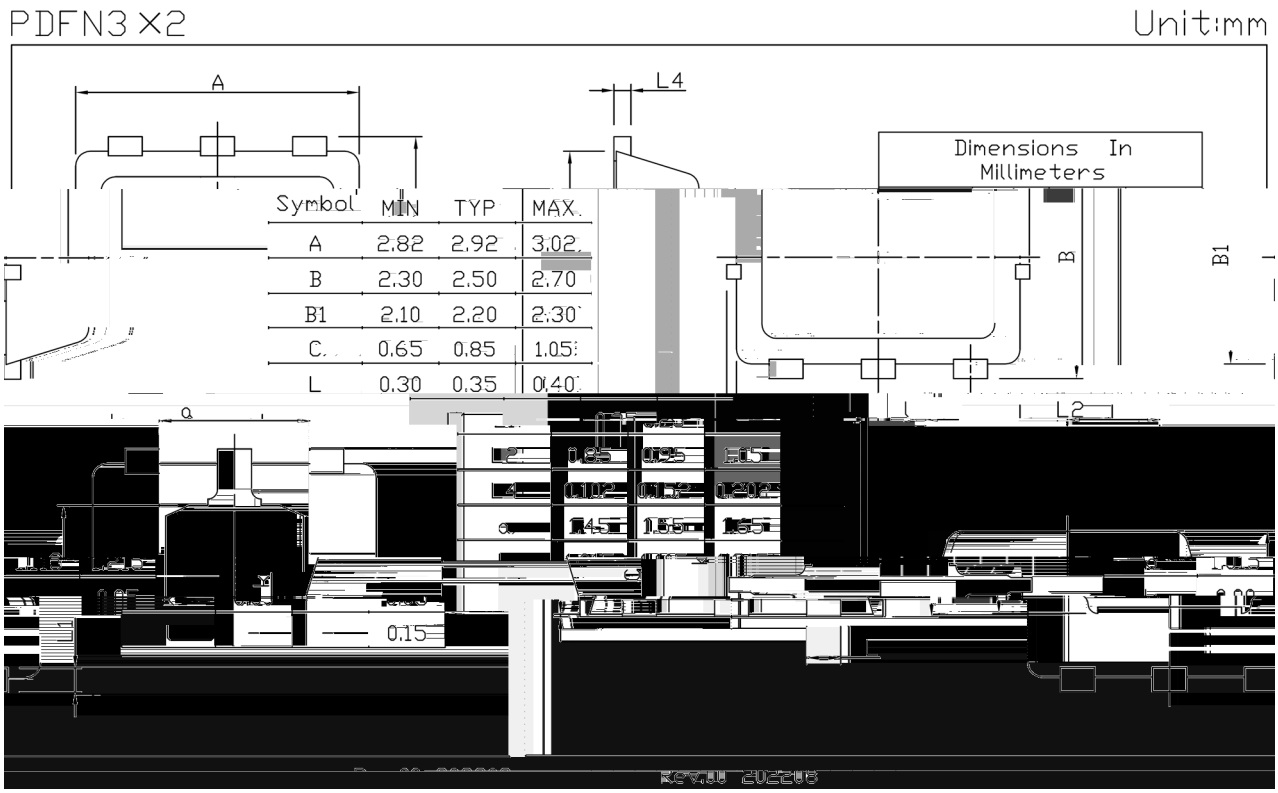
/ Package Dimensions