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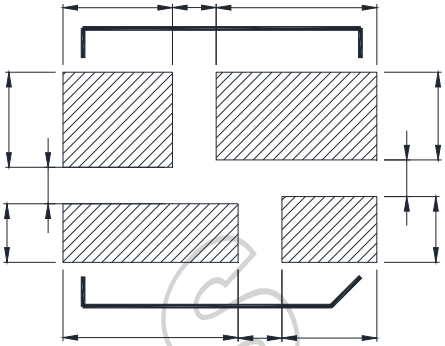
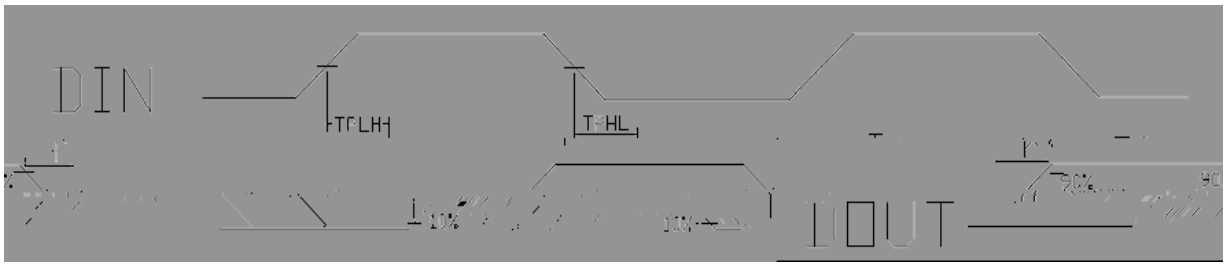
1	DIN		
2	VDD		
3	DOUT		
4	GND		



	fDIN	---	800	---	KHZ	67% 1
DOUT	T_{PLH}	---	---	500	ns	DIN→DOUT
	T_{PHL}	---	---	500	ns	
I_{out}	T_r	---	100	---	ns	V_{DS}=1.5V I_{OUT}=13mA Iout=5mA
	T_f	---	100	---	ns	



		Min.		Max.	
T		1.20	--	--	μs
T0H	0	0.2	0.3	0.4	μs
T0L	0	0.8	--	--	μs
T1H	1	0.58	0.64	1.0	μs
T1L	1	0.2	--	--	μs
Trst	Reset	>80	--	--	μs

1.

0 1

2. 1.2μs

3. "0" "1" "0" "1"
20μs.

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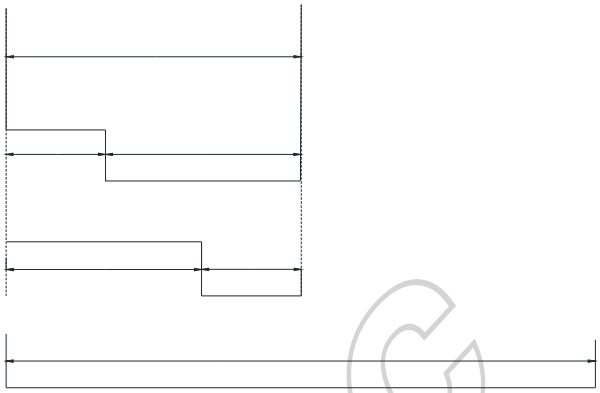

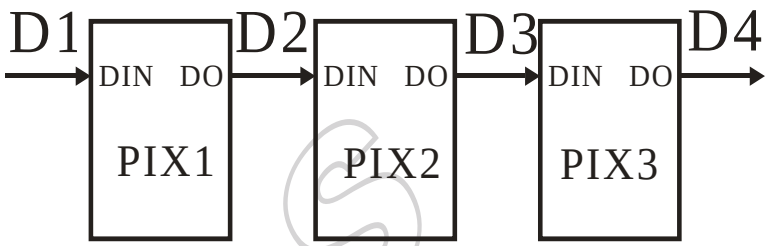

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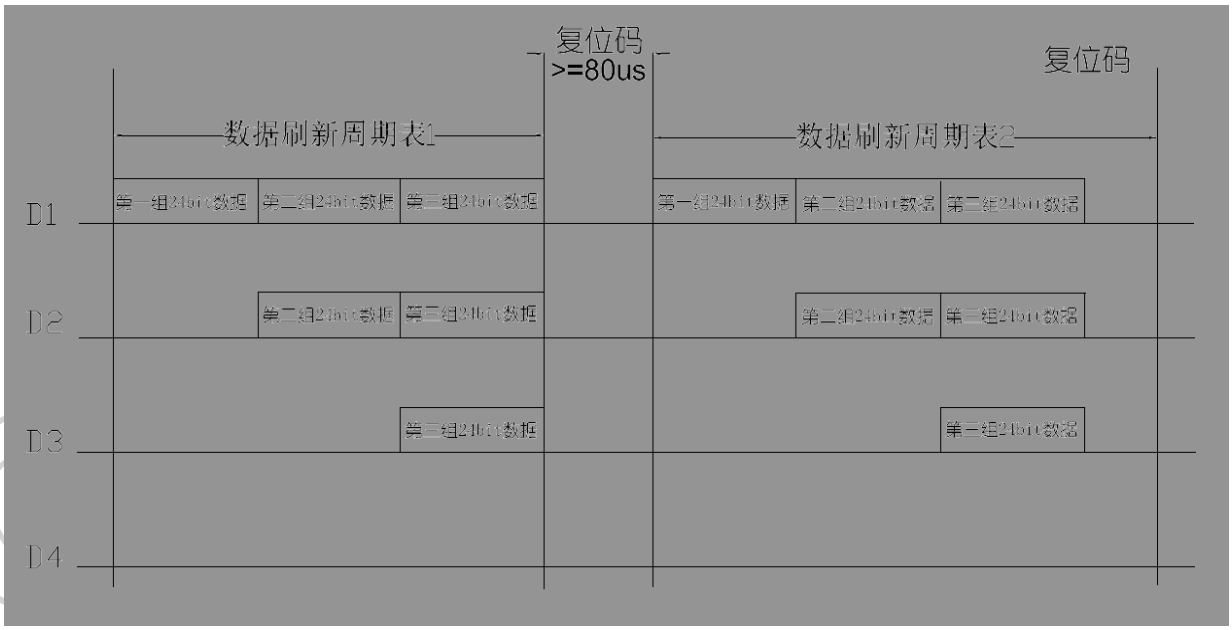

D1 MCU D2, D3, D4

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G7	G6	G5	G4	G3	G2	G1	G0	R7	R6	R5	R4
R3	R2	R1	R0	B7	B6	B5	B4	B3	B2	B1	B0

GRB (G7 → G6 →.....B0)

IC

IC

R1

500

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1		100 5 C ~ -40 C 5 C 30min~30min 300cycles	MIL-STD-202G	0/22
2		Ta= +100	JEITA ED-4701 200 201	0/22
3		Ta= -40	JEITA ED-4701 200 202	0/22
4		Ta=60	JEITA ED-4701 100 103	0/22
5		~25 ~100 ~25 30min~5min~30min~5min 100 cycles	JEITA ED-4701 100 105	0/22
6		Tsld = 260 C, 10sec. 3 times	JEITA ED-4701 300 301	0/22
7		25 C, IF: Typical current , 1000hrs	JESD22-A 108D	0/22

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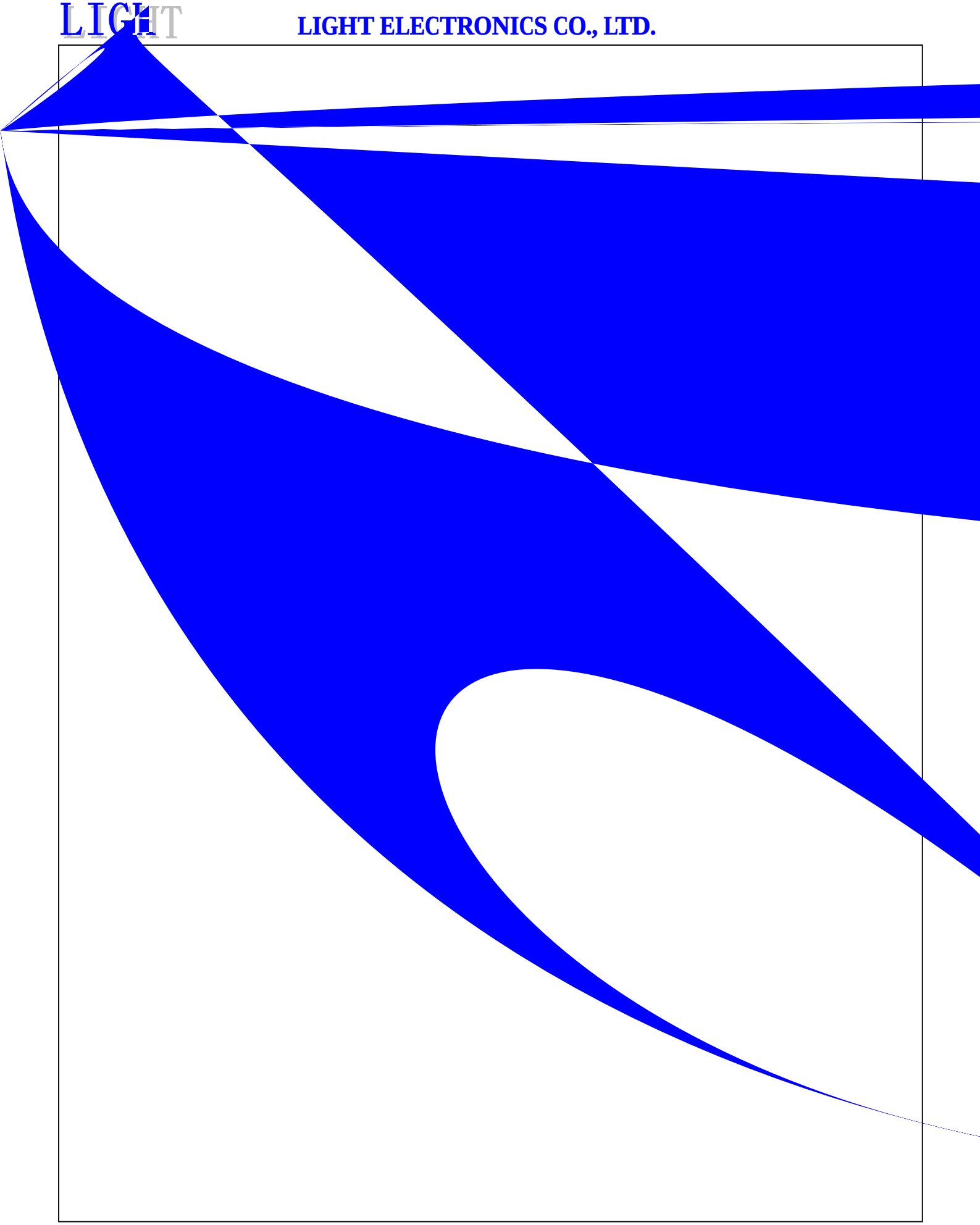
	IV	DC=5V,	X0.7	---
	---	DC=5V,		



LED SMT

TOP SMD <30

PCB

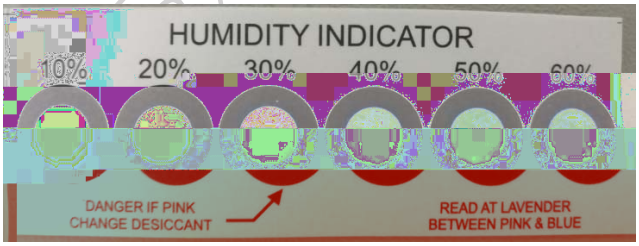
0.5H PCB SMT

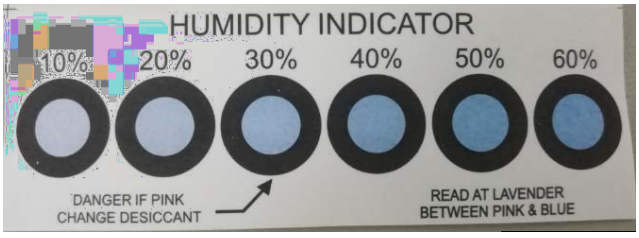
TOP SMD LED

a. 10% LED

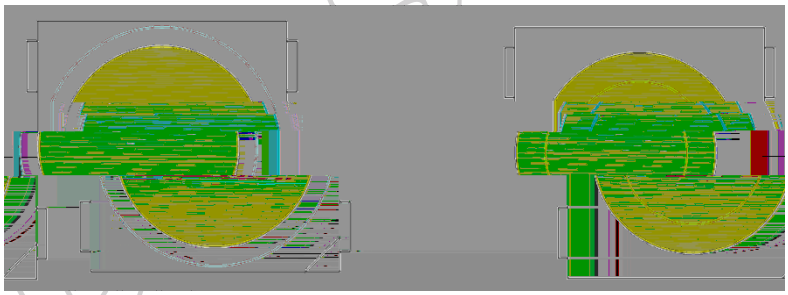
b. 10%, 20%

c. 10%, 20%, 30%





. SMT



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LED LEDs

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