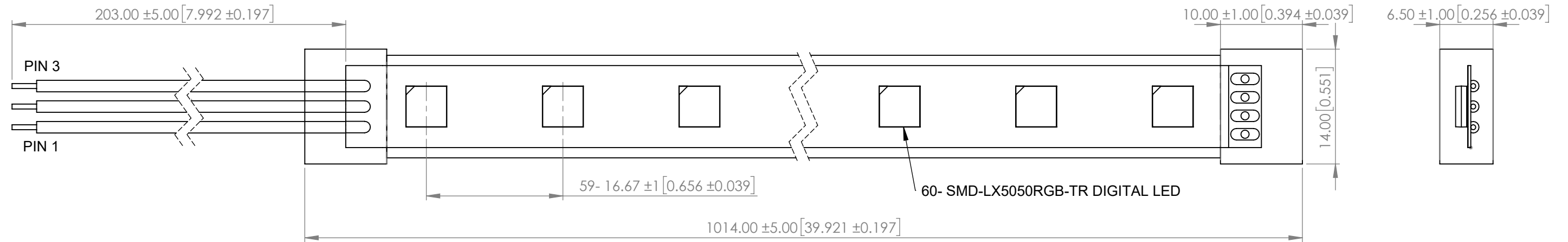


PART NUMBER		SMS-100010-60-T5	REV	A
REV	E.C.N. NUMBER AND REVISION COMMENTS			DATE
A	ECN-Lumex202000054			08.01.20




ELECTRO-OPTICAL CHARACTERISTIC TA=25°C PER SMD-LX5050RGB-TR DIGITAL LED

PARAMETER		MIN	TYP	MAX	UNITS	TEST COND
SUPPLY VOLTAGE	V _{DD}	-	5	-	V	-
INPUT VOLTAGE(HIGH)	V _{IH}	3.3	-	-	V	DIN, SET
INPUT VOLTAGE(LOW)	V _{IL}	-	-	0.3V _{DD}	V	DIN, SET
DOMINANT WAVELENGTH	R	-	625	-	nm	I _f =5mA
	G	-	530	-		
	B	-	470	-		
LUMINOUS INTENSITY	R	-	185	-	mcd	I _f =5mA
	G	-	590	-		
	B	-	150	-		
VIEWING ANGLE		-	120	-	2x theta 1/2	I _f =5mA
EPOXY LENS FINISH	WATER CLEAR					

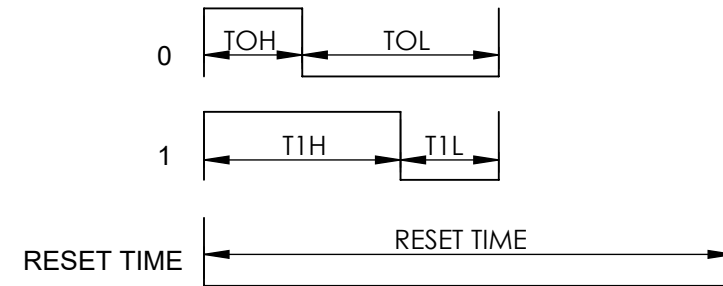
CABLE ASSIGNMENT

NO.	COLOR	SYMBOL
1	RED	VDD
2	GREEN	VSS
3	BLACK	DIN

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= ^{+DECIMAL PRECISION}/_{-0.00} MAX= ^{+0.00}/_{-DECIMAL PRECISION}

 <p>425 N. GARY AVE. CAROL STREAM, IL 60188 PHONE : 800-278-5666 FAX : 630-315-2150 WEB : WWW.LUMEX.COM</p>	STRIP LED, 10(W)*1004(L)mm, WITH 60PCS SMD-LX5050RGB-TR DIGITAL LEDs, DC_5V, 4.5W(TYP). WITH TUBE	DATE : 2020.08.01	DRAWN BY : E.C.	
	THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.	PAGE : 1 OF 2	CHKD BY : E.C.	
	CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.	SCALE : NTF	APRVD BY : G.Y.	
		UNIT : mm [INCH]		

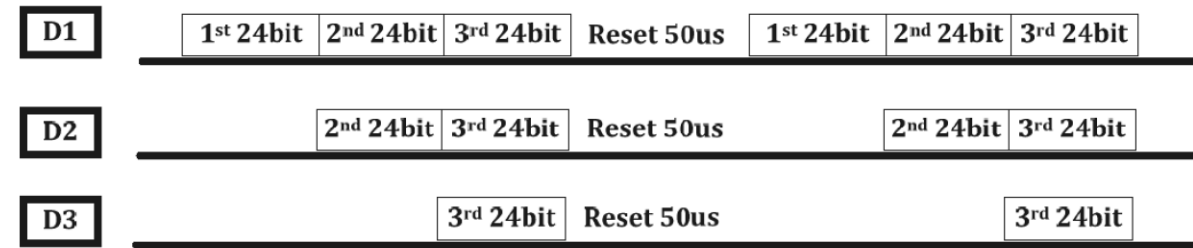
TIMING WAVE FORM



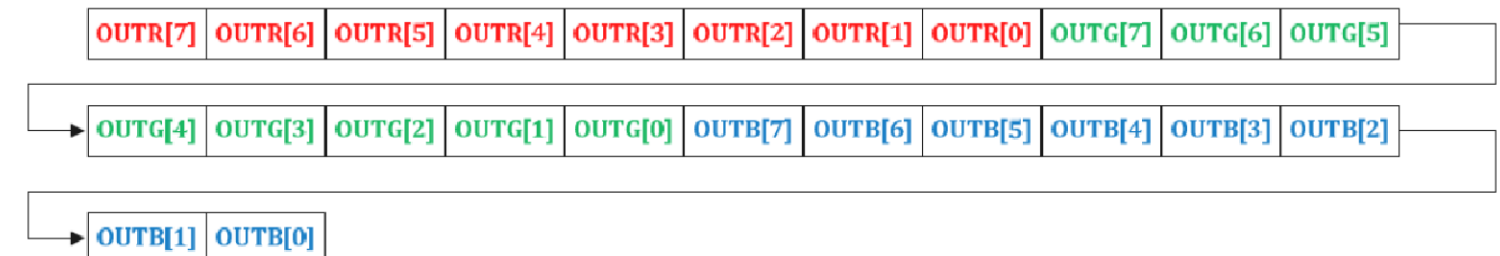
DATA TRANSFER TIME (TH+TL=1.2µs±600ns)

ITEM	DESCRIPTION	TYP.	ALLOWANCE
T0H	0 CODE, HIGH VOLTAGE TIME	0.3us	±80ns
T1H	1 CODE, HIGH VOLTAGE TIME	0.9us	±80ns
T0L	0 CODE, LOW VOLTAGE TIME	0.9us	±80ns
T1L	1 CODE, LOW VOLTAGE TIME	0.3us	±80ns
RES	LOW VOLTAGE TIME	ABOVE 50us	-

DATA COMMUNICATION



SINGLE DATA IN 24BIT FOR RGB



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= ^{+DECIMAL PRECISION}/_{-0.00} MAX.= ^{+0.00}/_{-DECIMAL PRECISION}

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