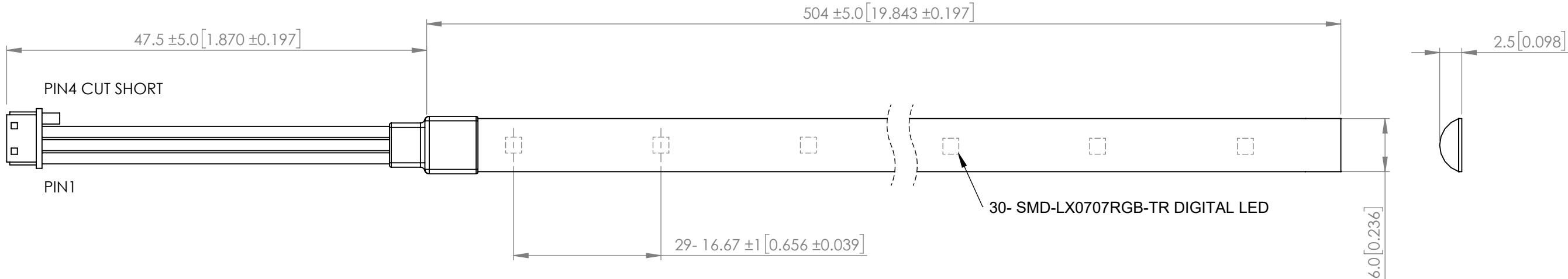


PART NUMBER		SMS-50006-30-G5	REV	A
REV	E.C.N. NUMBER AND REVISION COMMENTS			DATE
A	ECN-Lumex201900075			06.21.19



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C PER SMD-LX0707RGB-TR DIGITAL LED

PARAMETER		MIN	TYP	MAX	UNITS	TEST COND
SUPPLY VOLTAGE	VDD	-	5	-	V	-
INPUT VOLTAGE(HIGH)	VIH	0.7VDD	-	VDD	V	-
INPUT VOLTAGE(LOW)	VIL	0	-	0.3VDD	V	-
PEAK WAVELENGTH	R	-	630	-	nm	If=5mA
	G	-	520	-		
	B	-	470	-		
LUMINOUS INTENSITY	R	72	-	180	mcd	If=5mA
	G	180	-	360		
	B	28.5	-	72		
VIEWING ANGLE		-	120	-	2x theta1/2	If=5mA

PIN ASSIGNMENT

PIN #	COLOR	SYMBOL
1	RED	VDD
2	BLACK	VSS
3	BLUE	DIN

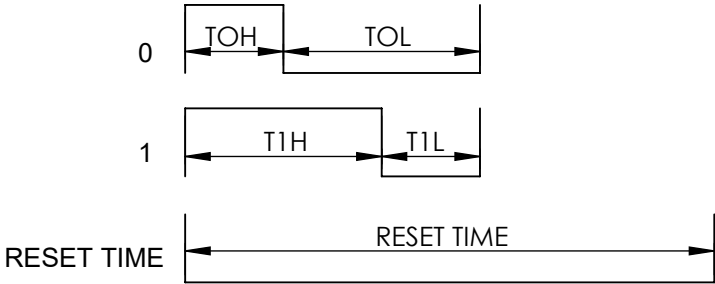
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= ^{+DECIMAL PRECISION}_{-0.00} MAX.= ^{+0.00}_{-DECIMAL PRECISION}

	425 N. GARY AVE. CAROL STREAM, IL 60188 PHONE : 800-278-5666 FAX : 630-315-2150 WEB : WWW.LUMEX.COM	STRIP LED, 6(W)*504(L)mm, WITH 30PCS SMD-LX0707RGB-TR DIGITAL LEDs, DC_5V, 2.3W(TYP),STRIP SURFACE IP 65.		DATE : 2019.06.21	DRAWN BY : C.S.
		THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.		PAGE : 1 OF 2	CHKD BY : E.C.
		CONFIDENTIAL INFORMATION		SCALE : NTF	APRVD BY : G.Y.
		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.		UNIT : mm [INCH]	

RECOMMENDED OPERATING CONDITION Ta=-20~70℃ , VSS=0V

PARAMETER		MIN	TYP	MAX	UNITS	TEST COND
PROPAGATION DELAY TIME	TPLZ	-	-	300	ns	DIN→DOUT
						CL=15pF, RL=10KΩ
FALLING TIME	TTHZ	-	-	20	us	CL=300pF OUTR/OUTG/OUTB
INPUT CAPACITOR	Tci	-	-	15	pf	

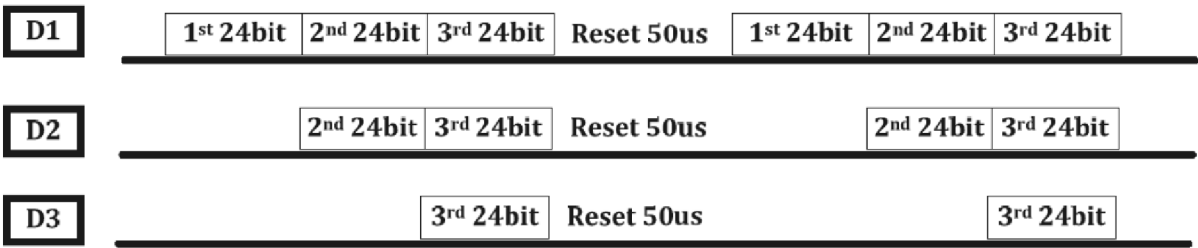
TIMING WAVE FORM



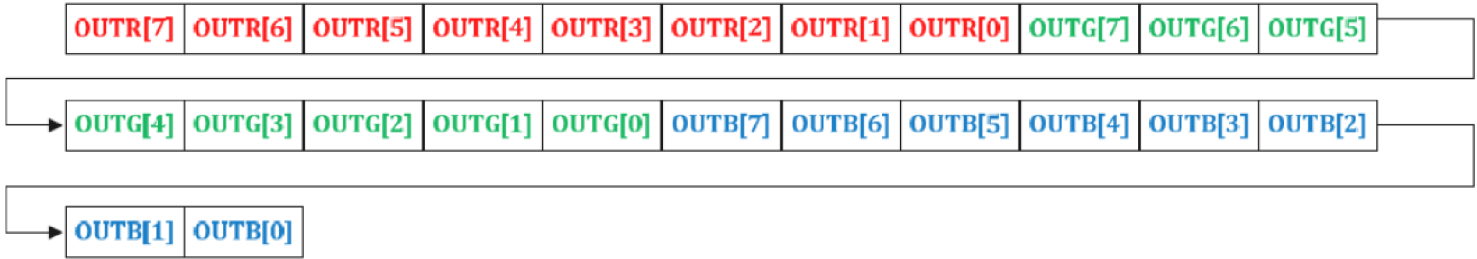
HIGH SPEED MODE

ITEM	DESCRIPTION	TYP.	ALLOWANCE
T0H	0 CODE, HIGH-LEVEL TIME	300ns	±80ns
T0L	0 CODE, LOW-LEVEL TIME	900ns	±80ns
T1H	1 CODE, HIGH-LEVEL TIME	900ns	±80ns
T1L	1 CODE, LOW-LEVEL TIME	300ns	±80ns
RES	RESET TIME	>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}