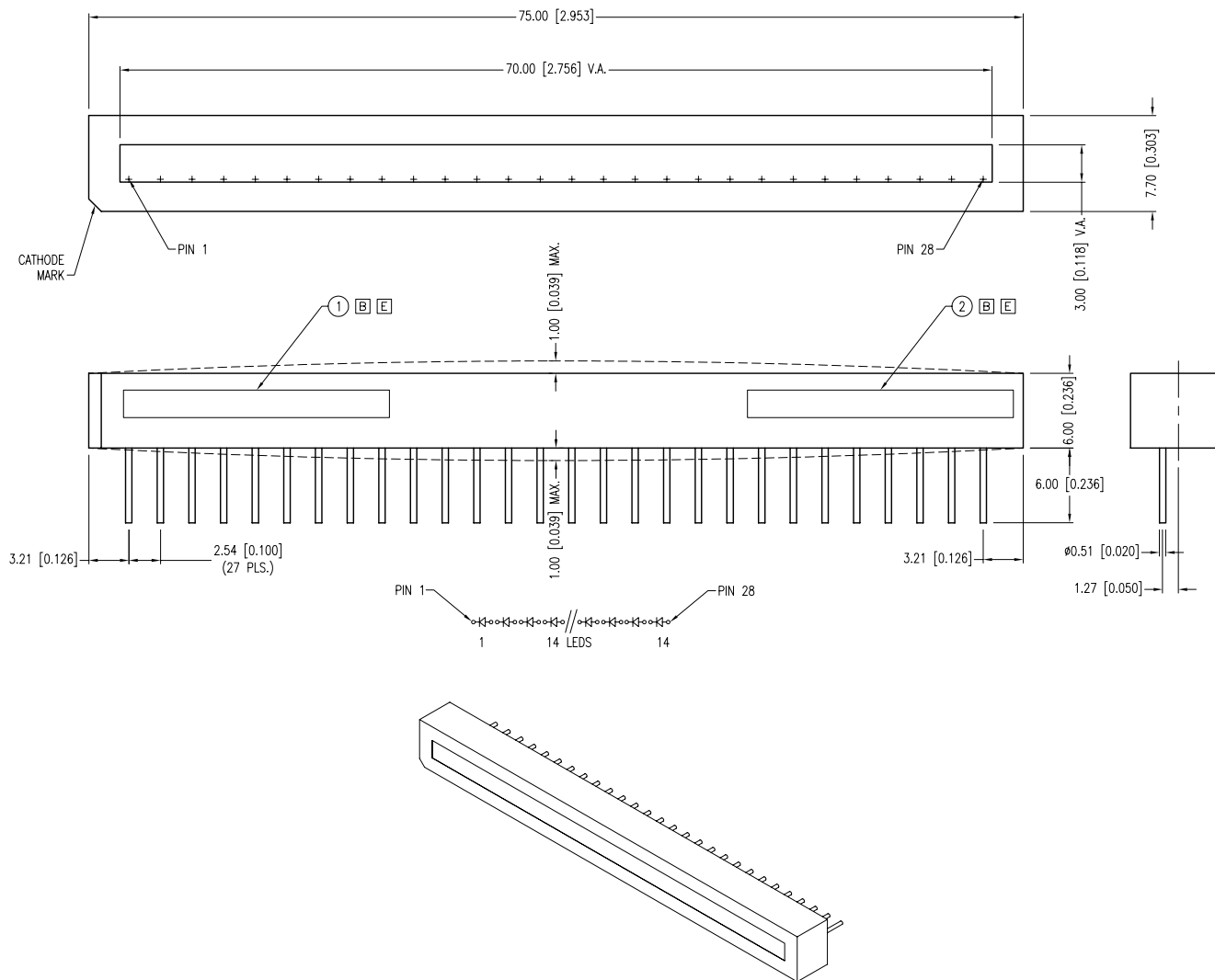


PART NUMBER	SSB-LX7003SIW	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
01.15.07	E.C.N. #11390.		A
05.02.07	E.C.N. #11413.		B
02.08.09	E.C.N. #11558.		C
10.21.09	E.C.N. #11590.		D
08.16.11	E.C.N. #11743/10BRDR. & REDRAWN.		E



E D C B A ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA					
PARAMETER	MIN	TYP	MAX	UNITS	UNITS
PEAK WAVELENGTH		636		nm	
FORWARD VOLTAGE/LED		2.0	2.5	Vf	
REVERSE VOLTAGE/LED	5.0			Vr	If=100μA
AXIAL INTENSITY	PER TABLE IN NOTE 1			μcd	If=20mA
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				
FACE COLOR:	BLACK				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC. MAX.

* t<10μS

E C B NOTES:

1. LUMEX P/N, DATE CODE, AND BIN CODE.

BINCODE	BRIGHTNESS PER LED μcd AT 10mA	
	MIN	MAX
S	17550	26325
T	26326	39489
U	39490	59235
V	59236	88854
W	88855	133283
X	133284	199926

* MEASURED AT 6° 90° ABOVE DISPLAY.

2. CUSTOMER P/N "212-2906-001 REV B"

*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}

UNCONTROLLED DOCUMENT



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70x3mm CHIPS ON BOARD LIGHT BAR, 636nm RED, MILKY WHITE DIFFUSED.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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DATE:	08.16.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	JD
UNIT:	mm [INCH]		Ⓟ