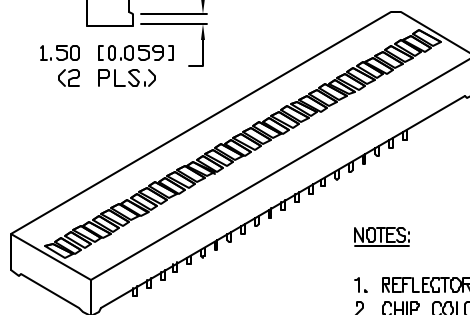
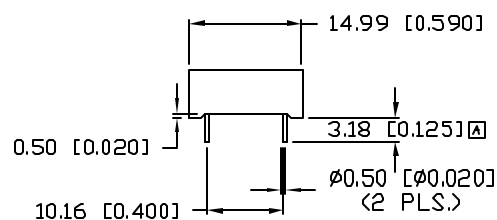
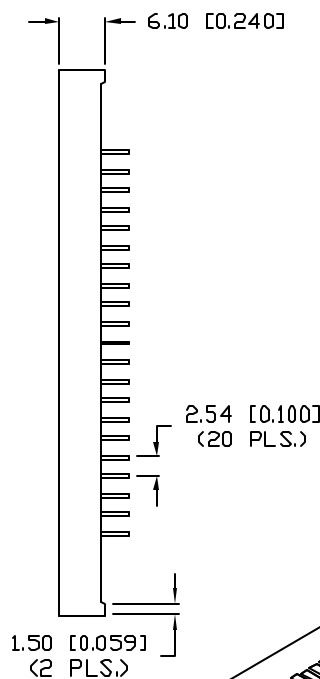
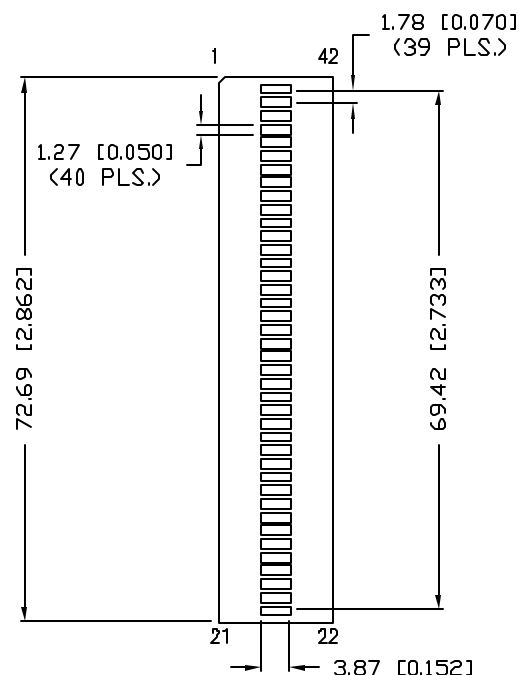
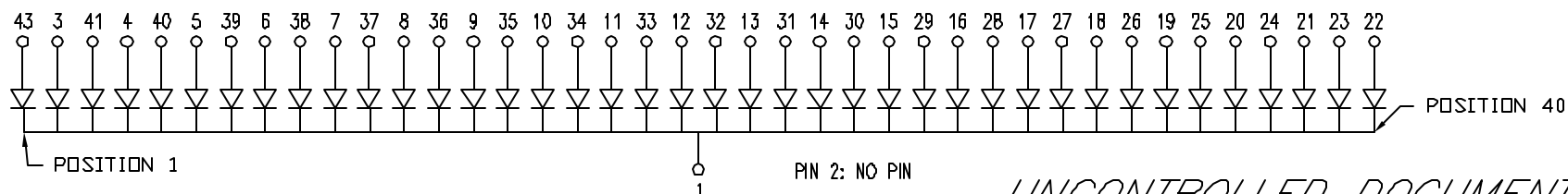


UNCONTROLLED DOCUMENT



NOTES:

1. REFLECTOR MATERIAL: NORYLL
2. CHIP COLOR AND BRIGHTNESS TO BE UNIFORM IN EA. UNIT.
3. CHAMFERED CORNER DESIGNATES PIN 1 AND POSITION 1.



*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 MAX.=+0.00
-0.00
-DECIMAL PRECISION

REV.

A

PART NUMBER

SSA-LXB4050W

40 UNIT LED ARRAY, 610nm SUPER ORANGE LEDS,
MILKY WHITE DIFFUSED.

CONFIDENTIAL INFORMATION

CONFIDENTIAL AND PROPRIETARY

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RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT
SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE.
PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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CT

PAGE: 1 OF 1

SCALE: N/A

PART NUMBER

SSA-LXB40SOW

REV.

A

REV.	E.C.N. NUMBER AND REVISION COMMENTS
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DATE _____

A	E.C.N. #10940.
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12.27.02

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		610		nm	
FORWARD VOLTAGE		2.0	2.5	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100μA
AXIAL INTENSITY		80		mcd	I _f =20mA
VIEWING ANGLE		160		2x theta	
EMITTED COLOR:	ORANGE				
EPOXY LENS FINISH:	MILKY WHITE	DIFFUSED			
FACE COLOR:	GRAY				

LIMITS OF SAFE OPERATION AT 25°C PER DIE

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, STORAGE TEMP.	- 40 TO + 85	°C
SOLDERING TEMP.	+ 260	°C
2.0mm FROM BODY		3 SEC. MAX

* $t < 10 \mu s$

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