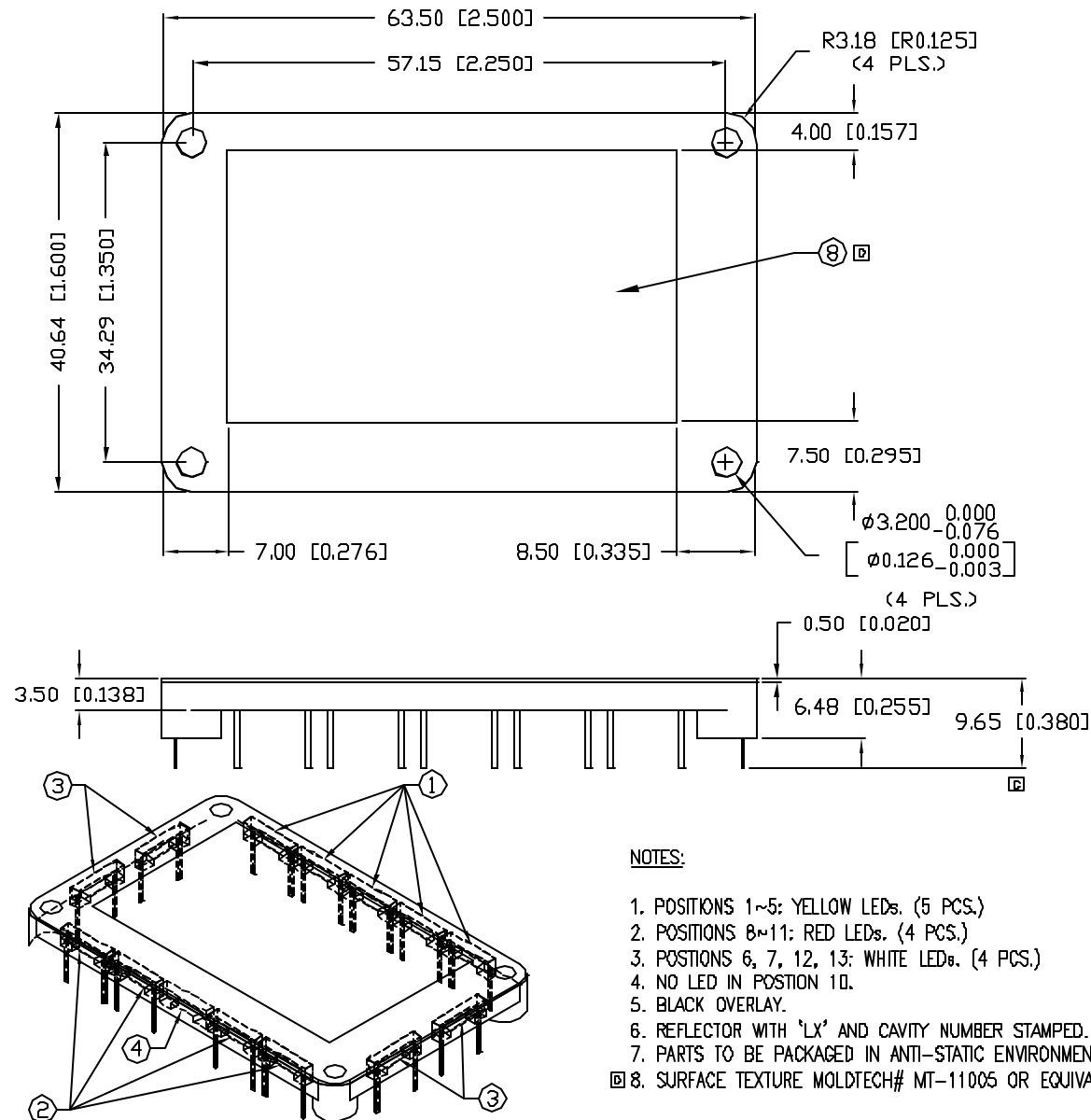


UNCONTROLLED DOCUMENT



NOTES:

1. POSITIONS 1~5: YELLOW LEDs. (5 PCS.)
2. POSITIONS 8~11: RED LEDs. (4 PCS.)
3. POSITIONS 6, 7, 12, 13: WHITE LEDs. (4 PCS.)
4. NO LED IN POSITION 10.
5. BLACK OVERLAY.
6. REFLECTOR WITH 'LX' AND CAVITY NUMBER STAMPED.
7. PARTS TO BE PACKAGED IN ANTI-STATIC ENVIRONMENT.
8. SURFACE TEXTURE MOLDTECH# MT-11005 OR EQUIVALENT.

*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.=+0.00/-0.00, MAX.=+0.00/-0.00

PART NUMBER
SSB-DL4828SYSIUWREV.
D

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10718.	2.21.01
B	E.C.N. #10736.	5.7.01
C	E.C.N. #10785.	9.12.01
D	E.C.N. #10817.	12.5.01

ELECTRO-OPTICAL CHARACTERISTICS T _A =25°C PER LED					I _f = 20 mA
PARAMETER	YELLOW	WHITE	RED	UNITS	TEST COND
PEAK WAVELENGTH	590	550	636	nm	
FORWARD VOLTAGE (TYP.)	4.2	7.2	4.2	V _f	
FORWARD VOLTAGE (MAX.)	5.0	8.0	5.0	V _f	
REVERSE VOLTAGE	10.0	10.0	10.0	V _r	I _r =100μA
LUMINOUS INTENSITY	150	120	150	mcd	I _f =20mA
LED POSITION:	1~5	6,7,13,14	8,9,11,12		
REFLECTOR FINISH:	WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT		30	mA
POWER DISSIPATION	(R/Y/W)	100/105/105	mW
DERATE FROM 25°C		-0.25	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+240	°C
2.0mm FROM BODY			3 SEC. MAX

* t<10μs

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

UNCONTROLLED DOCUMENT

REV.

D

PART NUMBER

SSB-DL4828SYSIUW

CUSTOM RED/YELLOW/WHITE BACKLIGHT,
CALIX P/N: 601-00033 REV 11.

CONFIDENTIAL INFORMATION

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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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DATE: 12.27.00

PAGE: 1 OF 1

SCALE: N/A