

UNCONTROLLED DOCUMENT

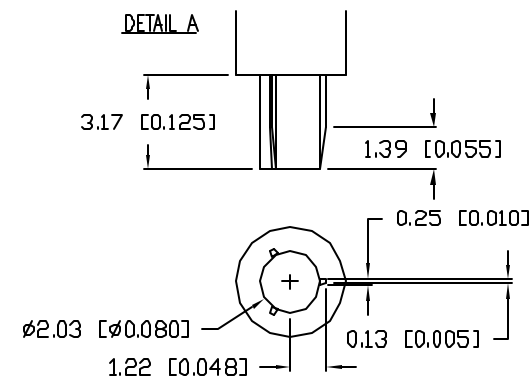
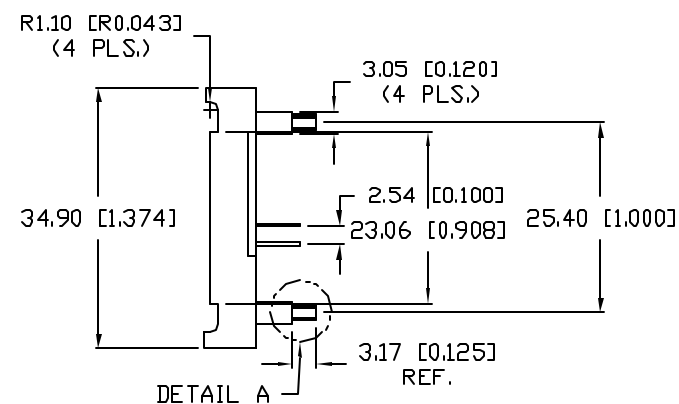
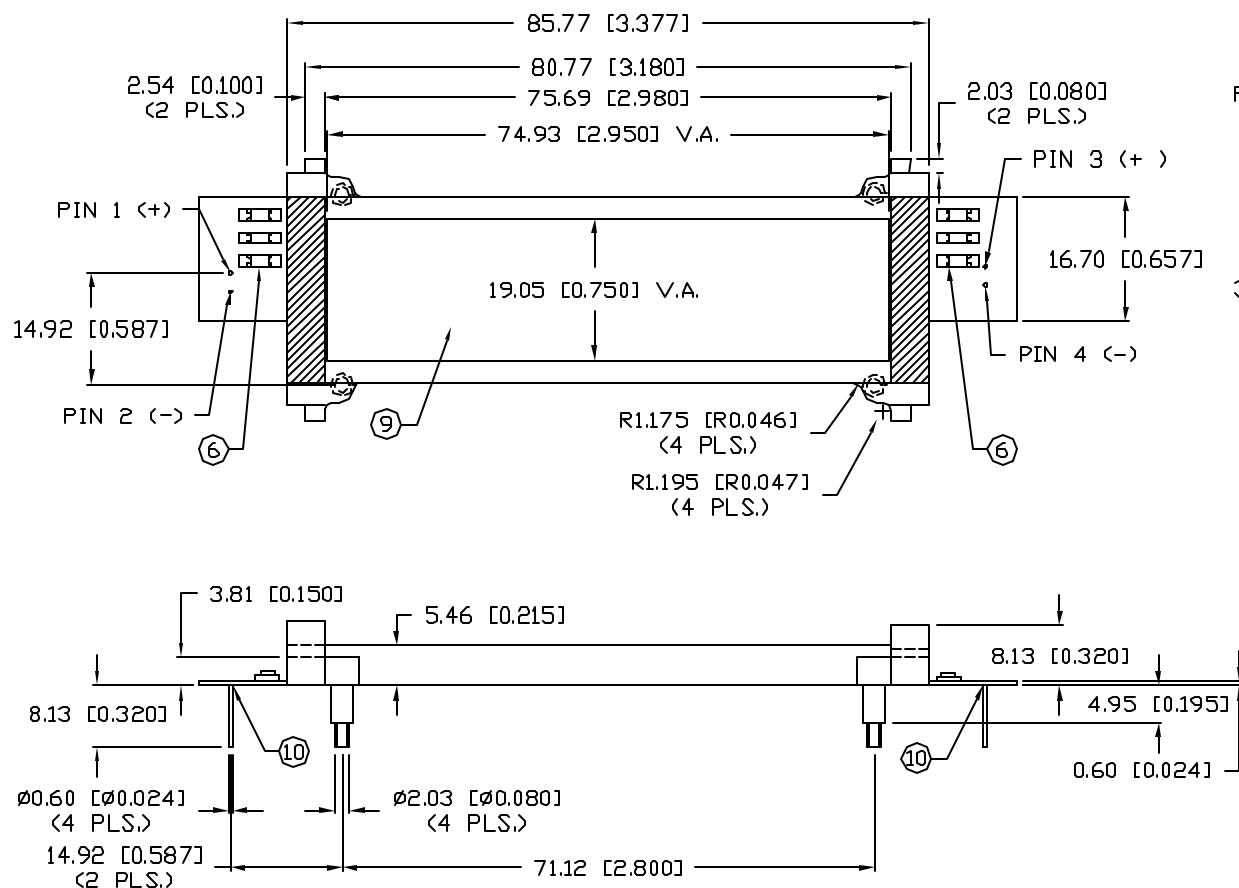
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PART NUMBER

REV.

SSB-CER7519YW

PRELIMINARY IN P/N DIR



UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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

REV.

PART NUMBER

SSB-CER7519YW

75mm x 19mm CHIP ON BOARD BACKLIGHT,
590nm SUPER YELLOW CHIPS, 6 CHIPS.

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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PAGE: 1 OF 2

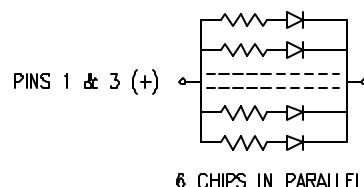
SCALE: N/A

JD

SSB-CER7519YW

PRELIMINARY IN P/N DIR

POLARITY DIAGRAM



NOTES:

1. P.C.B. MATERIAL: FR4, DOUBLE SIDED.
2. ALL P.C.B. HOLES TO BE PLATED THRU.
3. ALL COPPER TRACES TO BE COVERED WITH SOLDER MASK TO PREVENT CORROSION.
4. STAMP MANUFACTURING DATE CODE ON BOTTOM OF P.C.B.
5. PART NUMBER SSB-CER7519 ON BOTTOM OF P.C.B.
6. RESISTORS 1/4W, 800 OHM, 1206 PACKAGE. (6 PCS.)
7. POWER SUPPLY VOLTAGE 14 VOLTS.
8. 3 CHIPS ON FAR RIGHT AND 3 ON FAR LEFT TO BE IN SERIES.
9. DIFFUSER TAPE COVER WITH PROTECTIVE FILM WHICH IS MARKED BY A BLACK DOT.
10. PINS TO BE SOLDERED ON TOP AND BOTTOM SIDES OF PCB.

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590 (YELLOW)		nm	
FORWARD VOLTAGE		2.0	2.5	V_f	
REVERSE VOLTAGE	5			V_r	$V_r = 100\mu\text{A}$
LUMINOUS INTENSITY		TBA		cd/m^2	$I_f = 60 \text{ mA}$
EMITTED COLOR:	YELLOW				
REFLECTOR FINISH:	WHITE				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT *	1050	mA
STEADY CURRENT	210	mA
POWER DISSIPATION	3.15	W
DERATE FROM 25°C	62	mW/ $^\circ\text{C}$
OPERATING TEMP.	-40 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +100	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

* $t < 10\mu\text{s}$

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REV.

PART NUMBER

SSB-COB7519YW

75mm x 19mm CHIP ON BOARD BACKLIGHT,
590nm SUPER YELLOW CHIPS, 6 CHIPS.

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