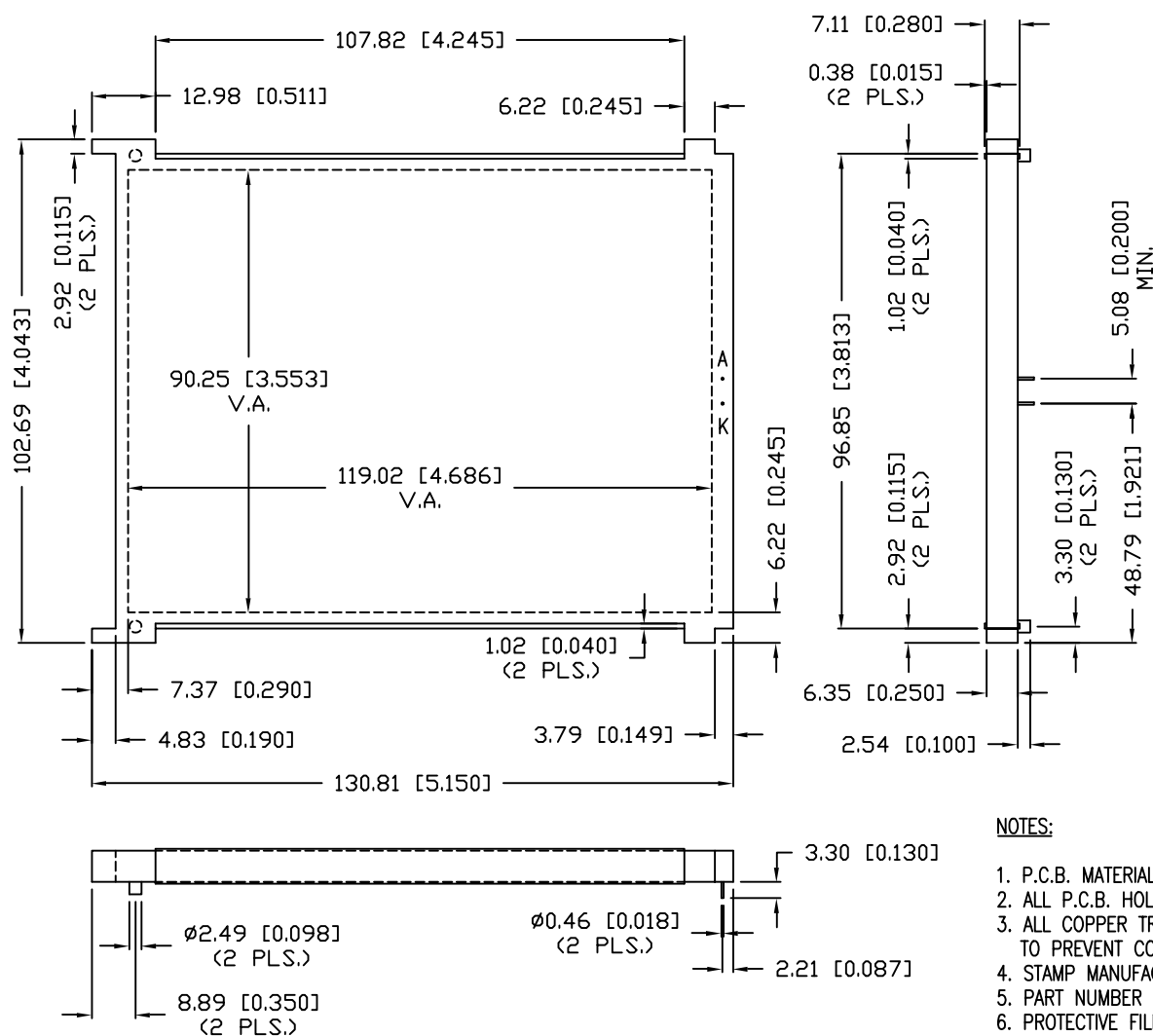


UNCONTROLLED DOCUMENT



NOTES:

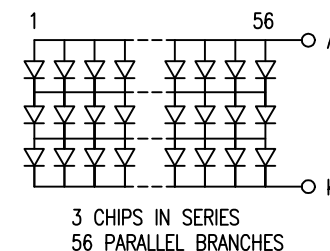
1. P.C.B. MATERIAL: FR4, DOUBLE SIDED.
2. ALL P.C.B. HOLES TO BE PLATED THRU.
3. ALL COPPER TRACES TO BE COVERED WITH SOLDER MASK TO PREVENT CORROSION.
4. STAMP MANUFACTURING DATE CODE ON BOTTOM OF P.C.B.
5. PART NUMBER SSB-COB11990GW ON BOTTOM OF P.C.B.
6. PROTECTIVE FILM SHOULD BE LEFT ON DIFFUSER TAPE.

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565 (GREEN)		nm	
FORWARD VOLTAGE		6.6	7.8	V _f	
REVERSE VOLTAGE	8			V _r	V _r =100μA
LUMINOUS INTENSITY		140		cd/m ²	I _f =560mA
EMITTED COLOR:	GREEN				
REFLECTOR FINISH:	WHITE				

LIMITS OF SAFE OPERATION AT 25°C PER UNIT

PARAMETER	MAX	UNITS
STEADY CURRENT	1400	mA
POWER DISSIPATION	11	W
DERATE FROM 25°C	62	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX



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*UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010''$)

REV.

PART NUMBER
SSB-COB11990GW

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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.

LUMEX
INCORPORATED

290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
PHONE: 1-847-359-2790
WEB: HTTP://WWW.LUMEX.COM

CHIPS ON BOARD BACKLIGHT, 565nm GREEN LEDS,
168 CHIPS ON BOARD.

DRAWN BY: SS/BC
CHECKED BY:
APPROVED BY:
DATE: 3-2-99
PAGE: 1 OF 1
SCALE: N/A