

UNCONTROLLED DOCUMENT

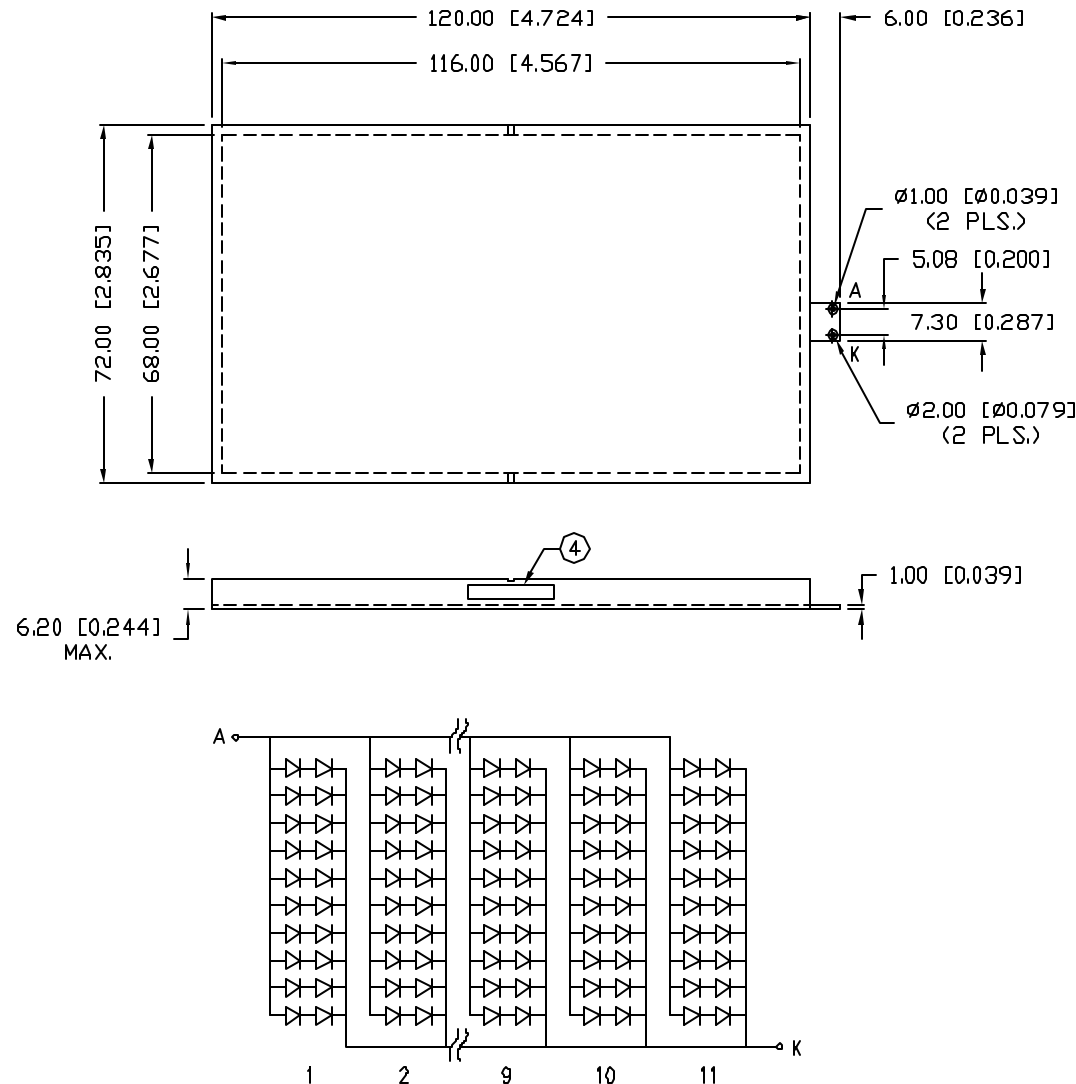
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PART NUMBER

REV.

SSB-COB11668GW

PRELIMINARY IN P/N DIR



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ PER MODULE $I_f=1100\text{mA}$					TEST COND
PARAMETER	MIN	TYP	MAX	UNITS	
PEAK WAVELENGTH		565 (GREEN)		nm	
FORWARD VOLTAGE		4.4	5.0	V_f	
REVERSE VOLTAGE	8			V_r	$V_r = 8\text{V}$
LUMINOUS INTENSITY		85		cd/m^2	$I_f=1100\text{mA}$
EMITTED COLOR:	GREEN				
REFLECTOR FINISH:	WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER DIE

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

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

NOTES:

1. P.C.B. MATERIAL: FR4, DOUBLE SIDED.
2. ALL P.C.B. HOLES TO BE PLATED THROUGH.
3. ALL COPPER TRACES TO BE COVERED WITH SOLDER MASK TO PREVENT CORROSION.
4. STAMP MFG. DATE CODE ON SIDE AS SHOWN.
5. PART# SSB-COB11668GW ETCHED ON BOTTOM SURFACE OF P.C.B.

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*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

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116mm x 68mm CHIPS ON BOARD BACKLIGHT,
565nm GREEN, 220 CHIPS, WHITE DIFFUSED.

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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 1

SCALE: N/A