

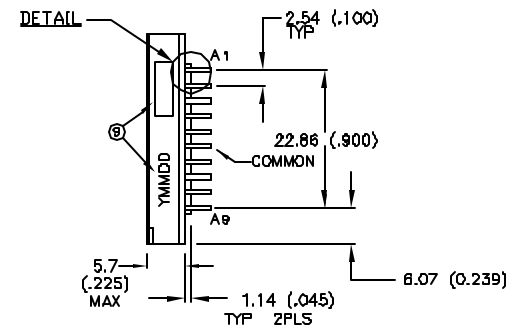
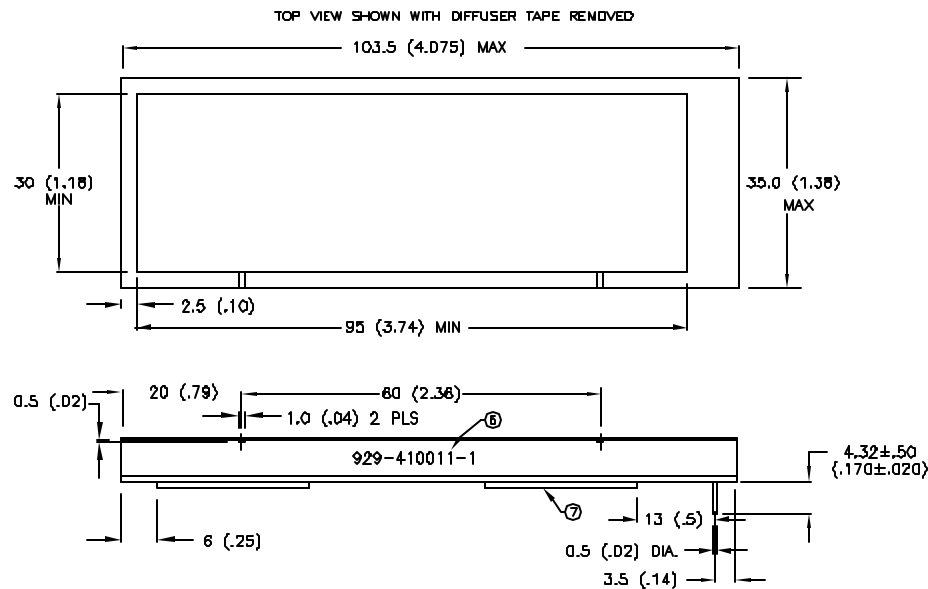
UNCONTROLLED DOCUMENT

PART NUMBER
SSB-COB9530GW-01

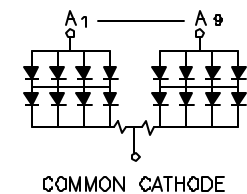
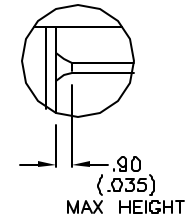
REV.

B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10154.	4.23.96
B	E.C.N. #10311.	2.26.97



SOLDER FILLET DETAIL



*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.

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95mm x 30mm BACKLIGHT LCD, 72 CHIPS ON BOARD,
GREEN LED.

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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CHECKED BY:

APPROVED BY:

DATE: 9.09.04

PAGE: 1 OF 2

SCALE: N/A

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NOTES:

- ALL COPPER TRACES AND LEAD SOLDER CONNECTIONS TO BE COVERED WITH SOLDER MASK OR CONFORMAL COATING TO PREVENT CORROSION.
- P.C.B. MATERIAL: FR4, DOUBLE SIDED.
- REFLECTOR MATERIAL: WHITE P.C.
- LEADS: TIN PLATED STEEL.
- ALL P.C.B. HOLES TO BE PLATED THRU.
- PART NUM. STAMP: 929-410011-1 ON EITHER SIDE AS SHOWN, SSB-COB9530GW ON PCB.
- DOUBLE SIDED TAPE, 3M #4945, CUT 1" SQ., APPLY 2 PLS. AS SHOWN.
- TOLERANCE: $\pm 0.2(\pm .008)$.
- STAMP MANUFACTURING DATE CODE & INSPECTION STAMP ON EITHER END OF PART AS SHOWN.
- DIFFUSER TAPE MUST NOT BE COVERED WITH PROTECTIVE RELEASE SHEET, SURFACE MUST BE FREE OF MARKS, CUTS, AND IMPERFECTIONS THAT AFFECT FUNCTIONALITY.
- PINS ARE STAKED AND SOLDERED ON CHIP SIDE OF PCB.
- VIAS ADDED ACROSS EACH PIN ON NEW PCB.
- BACKLIGHTS ARE PKG'D. IN MATCHED PAIRS. EACH PAIR WITHIN $4\text{cd}/\text{m}^2$ IN INTENSITY & WITHIN AN X VALUE OF 0.003 ON THE X,Y COLOR COORDINATE SYSTEM.
- MATCHED PAIRS TO BE STAMPED WITH SAME SERIAL NUMBER.
- MINIMUM PIN PUSH-OUT FORCE OF 11 LBS.
- NO EPOXY DROP.
- MUST PASS 60 CYCLES OF TEMP. CYCLE TEST.
TEMP. CYCLE IS -40°C TO $+85^{\circ}\text{C}$.
2 HRS. RAMP-UP, 2 HRS. @ $+85^{\circ}\text{C}$.
2 HRS. RAMP-DOWN, 2 HRS. @ -40°C .
BACKLIGHT IS LT AT ALL PHASES OF THE CYCLE.

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25$ $C_P=720\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		570		nm	
SPECTRAL LINE HALF WIDTH		30		nm	
FORWARD VOLTAGE		4.2	4.8	V	$I_F=720\text{mA}$
REVERSE CURRENT			200	μA	$V_R=8\text{V}$
LUMINOUS INTENSITY		450		cd/m^2	$I_F=720\text{mA}$

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT	1080	mA
REVERSE VOLTAGE	8V	V_R
POWER DISSIPATION	5.0	W
DERATE FROM 25°C	61.3	$\text{mW}/^{\circ}\text{C}$
OPERATING TEMP.	-40 TO $+85$	$^{\circ}\text{C}$
STORAGE TEMP.	-40 TO $+85$	$^{\circ}\text{C}$

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Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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