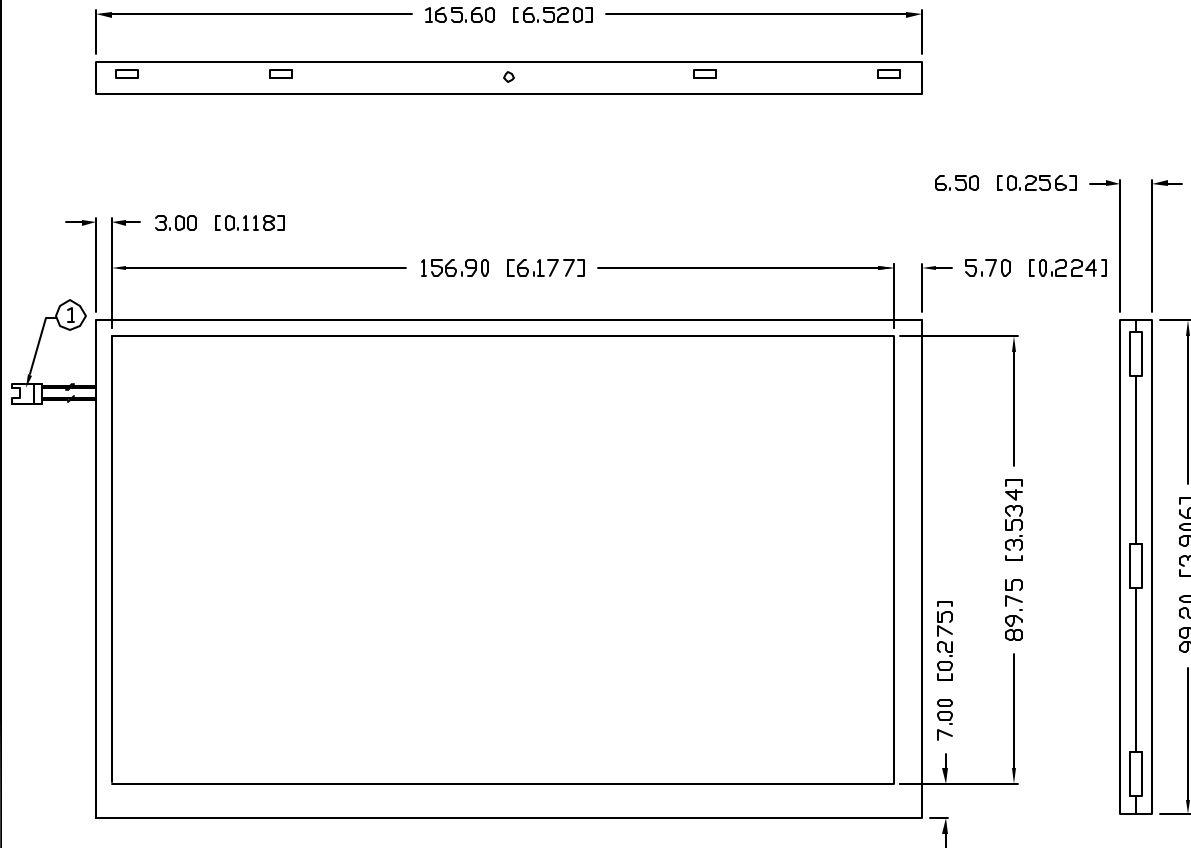


PART NUMBER
SSB-CEL15890UWW-24

REV.



| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ PER MODULE | | | | | $I_f=240\text{mA}$ |
|---|---------------------------|------|------|-----------------|---------------------|
| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
| PEAK WAVELENGTH | | - | | nm | |
| FORWARD VOLTAGE | | 9.7 | 12 | V_f | |
| REVERSE VOLTAGE | 5 | | | V_r | $I_r=0.50\text{mA}$ |
| LUMINOUS INTENSITY(*1) | | 5000 | | cd/m^2 | $I_f=240\text{mA}$ |
| CHROMATICITY X | 0.26 | 0.30 | 0.33 | | |
| COORDINATES(*2) Y | 0.27 | 0.31 | 0.34 | | |
| EMITTED COLOR: | WHITE | | | | |
| REFLECTOR FINISH: | CLEAR WHITE WITH DIFFUSER | | | | |

*1. LUMINOUS INTENSITY TESTING CONDITION: 550nm WAVELENGTH.
*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C PER MODULE

| PARAMETER | MAX | UNITS |
|---------------------------|------------|------------|
| STEADY CURRENT | 288 | mA |
| POWER DISSIPATION | 2.328 | W |
| DERATE FROM 25°C, PER DIE | -1.2 | mW/°C |
| OPERATING TEMP. | -20 TO +70 | °C |
| STORAGE TEMP. | -30 TO +80 | °C |
| SOLDERING TEMP. | +260 | °C |
| 2.0mm FROM BODY | | 3 SEC. MAX |

NOTES:

1. JST: BHSR-02VS-1, CONNECTOR
2. PINK WIRE= POSITIVE.
3. WHITE WIRE= GROUND.



*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-CEL15890UWW-24

7" DIAGONAL WHITE LED BACKLIGHT, 24 CHIPS,
5000 cd/m^2 , 9.7V @ 240mA.

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 1

SCALE: N/A