

LG LA080WV3 – 8-inch Display with Touch Panel for Car Navigation

An inside look at the reasons why LG Display is one of the top players in the automotive display market



Automotive displays are increasingly replacing mechanical meters and buttons, and the display market is therefore forecasted to grow rapidly over the next few years. However, it is still unclear which suppliers will emerge as long-term winners. To fulfill the requirements of the market and its users, it is important to consider various conditions and specifications.

Display characteristics like luminance, contrast ratio, greyscale, and color, and their maintenance under automotive conditions of varying temperature and ambient light must continually improve.

LG Display provides smart infotainment to drivers and passengers. Its advanced high performance in-plane switching (AH-IPS) enables high resolution, high luminance and wide viewing angle, which is the display standard in smart cars. LG Display stays competitive by combining low-cost manufacturing at its Nanjing site and the experience it has acquired in the automotive market.

This report presents a complete teardown analysis of LG's LA080WV3 8-inch display and the associated touchscreen extracted from the Hyundai Tucson. Based on this, it provides the bill-of-material (BOM) and manufacturing cost of the display module. The report also offers a complete physical analysis and manufacturing cost estimate for every part, including the backlight module and the different mechanical frames.

Title: LG LA080WV3 8-inch Display
Pages: 39
Date: June 2017
Format: PDF & Excel file

COMPLETE TEARDOWN WITH:

- Detailed photos
- Display panel analysis
- Backlight unit analysis
- Touchscreen module
- Manufacturing cost analysis
- Estimated sales price

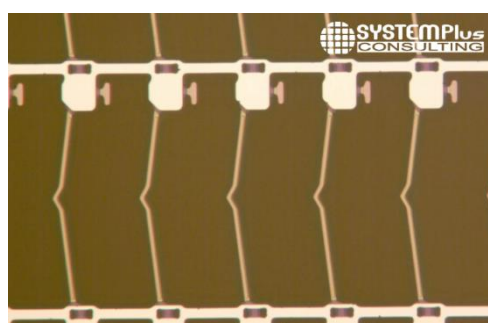
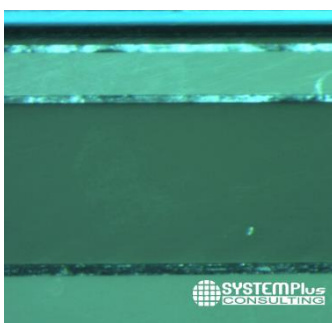


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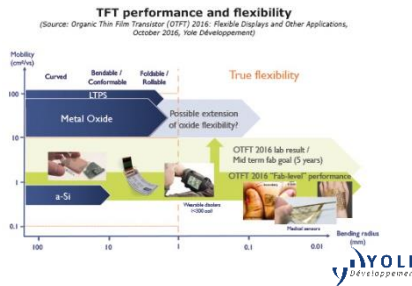
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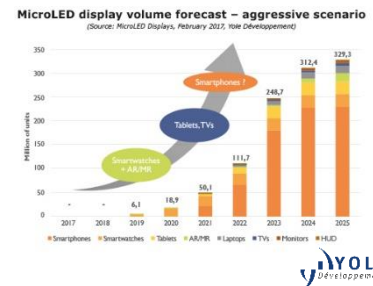
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