

Building on Jabil's experience with automotive combiner head-up displays, the optical design team at Jabil has developed advanced picture-generating module demonstrators for next-generation automotive windshield head-up displays, based on the Texas Instruments Digital Light Processing (DLP®) micro-display technology.

These next generation head-up displays will allow for higher comfort while driving, enabling drivers to keep their eyes on the road while receiving critical information. In the next few years, demand for the displays will be primarily driven by the wider field of view, as compared to current available HUDs, and the augmented reality function. DLP® based head-up displays are expected to enter the market in 2017.

## Head-up displays enhance driver experience & increase road safety.

The dashboard behind the steering wheel holds the head-up display system. The picture is produced by a DLP® based picture generation unit, then imaged onto an intermediate screen and reflected by two consecutive mirrors, the second one magnifying the image. It is then reflected by the windshield, enabling drivers to see a virtual image on the street ahead.

With these revolutionary head-up displays, drivers will receive customized additional navigation and speed information, obstacle warning notices, night vision information, and notifications of incoming calls, without forcing drivers to take their eyes off the road. Reducing distractions will significantly increase traffic safety, and minimize the chances for accidents.

## Jabil Optics Automotive drives for your success.

Jabil has many years of proven experience in miniaturized DLP® optics, and the stability of an IP-protected architecture. The picture generating unit for head-up displays designed by Jabil is powered by **Texas Instruments'** Digital Light Processing (DLP®) technology.

The DLP®-based head-up display will allow for a wider field of view than competing technologies, as well as higher brightness and contrast, even in direct sunlight.

Disclaimer: Jabil reserves the right to modify the specifications and design. Technical claims depend on a series of technical assumptions. Product performance may differ if operated in an environment which is different from the technical assumptions. This document includes confidential and/or proprietary information and may be used only by the person or entity to which it is addressed. Any dissemination, distribution or copying of this document is prohibited. This document outlines a product concept for sale to OEM suppliers. Available features may change. Jabil reserves the right to modify specifications & roadmaps. Customization items flexibility can be discussed. Jabil does not brand its own products. DLP® and the DLP logo are registered trademarks of Texas Instruments.

