

### Thin Film Receiver Materials for Deterministic Assembly by Transfer Printing

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We present a specially synthesized adhesive chemistry that enables implementation as ultrathin films (~150 nm), persistent tacky surfaces (degradation time is more than two weeks), in solid, non-flowable forms, that are also. The material can be photocured after materials assembly, to yield a solid, robust and highly transparent (~99 % at 550 nm) coating that is also thermally- and electrically-stable, for applications in electronics, optoelectronics and other areas of interest. This material significantly enhances materials an, device and substrate options in transfer printing. The results presented highlight the relevant chemistries and mechanical properties, and includes demonstrations of various devices formed by transfer printing of high quality inorganic semiconductor materials.