SEMICONDUCTOR DIES WITH RECESSES, ASSOCIATED LEADFRAMES, AND ASSOCIATED SYSTEMS AND METHODS

ABSTRACT

Semiconductor dies with recesses, associated leadframes, and associated systems and methods are disclosed. A semiconductor system in accordance with one embodiment includes a semiconductor die having a first surface and a second surface facing opposite from the first surface, with the first surface having a die recess. The system can further include a support paddle carrying the semiconductor die, with at least part of the support paddle being received in the die recess. In particular embodiments, the support paddle can form a portion of a leadframe. In other particular embodiments, the support paddle can include a paddle surface that faces toward the semiconductor die and has an opening extending through the paddle surface and through the support paddle.

Fig. 1