

Abstract

A Guard Structure for Signal Isolation

A method of fabricating an electrical guard structure for providing signal isolation is provided. The method includes providing a substrate having a mounting surface comprising a first area for hosting at least one electronic component. The method further comprises synthesizing a plurality of thread-like structures over the substrate to collectively form one or more electrically conductive projections extending transverse to the mounting surface. The one or more electrically conductive projections include one or more wall-like structures which are elongate parallel to the mounting surface. The electrically conductive projections can be transferred to another surface such as a major surface of a second substrate. There are further provided a support structure and a guard structure having the wall-like electrically conductive projections which are electrically grounded when in use to provide signal isolation.

Fig. 1

