**ESD PROTECTION FOR HIGH VOLTAGE APPLICATIONS**

ABSTRACT

An ESD module includes an ESD circuit coupled between a first source and a second source. A trigger circuit is also included in the ESD module for activating the ESD circuit to provide a low resistance current path between the first and second sources. The trigger circuit includes a reverse diode between the first source and the ESD circuit or between the second source and main ESD circuit. The trigger circuit provides a low trigger voltage to activate the ESD circuit.

Fig. 1