

## Product Overview

### ESD8708: 3.3 V, 8 Channel Unidirectional ESD Protection Array

For complete documentation, see the data sheet.

The ESD8708 is designed to protect four high speed differential pairs. Ultra-low capacitance and low ESD clamping voltage make this device an ideal solution for protecting voltage sensitive high speed data lines. The flow-throughstyle package allows for easy PCB layout and matched trace lengths necessary to maintain consistent impedance for the high speed lines.

#### Features

- 0.5pF max capacitance
- Deep snap back SCR technology

#### Applications

- V-by-One HS
- LVDS
- Displayport
- Ethernet

#### Benefits

- Supports data rates up to 6Gb/s
- Ultra low clamping voltage for ESD events

#### End Products

- Laptops
- Monitors
- TVs
- Docking Stations

### Part Electrical Specifications

| Product      | Pricing (\$/Unit) | Compliance                                      | Status | Interface  | Number of Lines | Direction      | C Max (pF) | V <sub>(BR)</sub> Min (V) | V <sub>RWM</sub> Max (V) | I <sub>R</sub> Max (μA) | P <sub>PK</sub> Max (W) | Package Type |
|--------------|-------------------|---|--------|--|-----------------|----------------|------------|---------------------------|--------------------------|-------------------------|-------------------------|--------------|
| ESD8708MUTAG | 0.1645            | Pb-free<br>Halide free<br>non AEC-Q<br>and PPAP | Active | Display Port<br>Ethernet<br>(10/100<br>Gigabit)<br>V-by-One HS | 8               | Unidirectional | 0.5        | 4                         | 3.3                      | 1                       | 44                      | UDFN-14      |

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