

Product Overview

ESD8111: High Speed Data Line Protection (3.3 V – USB 3.x), (Tx/Rx Pairs), 0.4 pF

For complete documentation, see the data sheet.

The ESD81x1 Series ESD protection diodes are designed to protect high speed data lines from ESD. Ultra-low capacitance and low ESD clamping voltage make this device an ideal solution for protecting voltage sensitive high speed data lines.

Features

- Low Capacitance (0.20 pF Typ, I/O to GND)
- Protection for the Following IEC Standards:
IEC 61000-4-2 (Level 4)
- Low ESD Clamping Voltage
- These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS Compliant

Applications

- USB 3.0/3.1
- MHL 2.0
- eSATA

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Interface	Number of Lines	Direction	C Max (pF)	V _(BR) Min (V)	V _{(RWM) Max} (V)	I _R Max (μA)	P _(PK) Max (W)	Package Type
ESD8111FCT5G	0.0587	Pb-free Halide free	Active	eSATA 3.0	1	Bidirectional	0.4	5.5	3.3	1	60	WLCSP-2
				USB 3.1								
				USB 3.0								
ESD8111PFCT5G	0.064	Pb-free Halide free	Active	USB 3.0 eSATA 3.0 USB 3.1	1	Bidirectional	0.4	5.5	3.3	1	60	DFN-2

For more information please contact your local sales support at www.onsemi.com.

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