

Product Overview

NUP4114: Sub-1.0 pF ESD Array

For complete documentation, see the data sheet.

The NUP4114 ESD protector is designed to protect high speed data lines from ESD. Ultra-low capacitance and a high level of ESD protection make this device well suited for use in USB 2.0 high speed applications, and HDMI & DVI applications.

Features

- Low Clamping Voltage
- Small Body Outline Dimensions on SC88 Package: 0.082 x 0.078 (2.10 mm x 1.25 mm)
- Low Body Height: 0.043 (1.10 mm)
- Standoff Voltage: 5.5 V
- Low Leakage
- Response Time is Typically < 1.0 ns
- IEC6100042 Level 4 ESD Protection
- These Devices are PbFree and are RoHS Compliant
- AECQ101 Qualified and PPAP Capable for SZNUP4114
- Meets UL 94 V-0

For more features, see the data sheet

Applications

- LVDS
- USB 2.0
- HDMI
- Display Port

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
NUP4114HMR6T1G	0.16	Pb-free	Active	DVI	4	Unidirectional	0.6	6	5	1	-	TSOP-6
		Halide free		HDMI 1.2								
		non AEC-Q and PPAP		HDMI 1.3/1.4								
				USB 2.0								
NUP4114UCLW1T2G	0.0768	Pb-free	Active	DVI	4	Unidirectional	0.6	6	5.5	1	-	SC-88-6 / SC-70-6 / SOT-363-6
		Halide free		HDMI 1.2								
		non AEC-Q and PPAP		HDMI 1.3/1.4								
				USB 2.0								
NUP4114UCW1T2G		Pb-free	Active	DVI	4	Unidirectional	0.6	6	5.5	1	-	SC-88-6 / SC-70-6 / SOT-363-6
		Halide free		HDMI 1.2								
		non AEC-Q and PPAP		HDMI 1.3/1.4								
				USB 2.0								
NUP4114UPXV6T1G	0.16	Pb-free	Active	DVI	4	Unidirectional	0.6	6	5	1	-	SOT-563
		Halide free		HDMI 1.2								
		non AEC-Q and PPAP		HDMI 1.3/1.4								
				USB 2.0								
NUP4114UPXV6T2G	0.16	Pb-free	Active	DVI	4	Unidirectional	0.6	6	5	1	-	SOT-563
		Halide free		HDMI 1.2								
		non AEC-Q and PPAP		HDMI 1.3/1.4								
				USB 2.0								
SZNUP4114HMR6T1G	0.3427	AEC Qualified	Active	DVI	4	Unidirectional	0.6	6	5.5	1	-	TSOP-6
		PPAP Capable		HDMI 1.2								
		Pb-free		HDMI 1.3/1.4								
		Halide free		USB 2.0								
SZNUP4114UCLW1T2G	0.1467	AEC Qualified	Active	DVI	4	Unidirectional	0.6	6	5.5	1	-	SC-88-6 / SC-70-6 / SOT-363-6
		PPAP Capable		HDMI 1.2								
		Pb-free		HDMI 1.3/1.4								
		Halide free		USB 2.0								

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

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