



Product Overview

PACVGA200: ESD Protection Diodes, VGA Port Companion Circuit

For complete documentation, see the data sheet

Product Description

PACVGA200 is a single chip solution for the VGA port interface. It incorporates seven channels of ESD protection for all signal lines commonly found in a VGA port. ESD protection is implemented with current steering diodes designed to safely handle the high surge currents encountered with IEC-61000-4-2 Level-4 ESD Protection ($\pm 8\text{kV}$ contact discharge).

Features

- Includes ESD protection, level shifting, and RGB termination
- Seven channels of ESD protection for all VGA port connector pins meeting IEC-61000-4-2 Level-4 ESD requirements ($\pm 8\text{kV}$ contact discharge)
- Very low loading capacitance from ESD protection diodes on video lines, 4 pF typical
- 75 termination resistors for video lines (matched to 1% typ.)

Applications

- Notebook computers with VGA port
- Desktop PCs with VGA port

End Products

- Notebook PC, Desktop PC, Monitor

Part Electrical Specifications

Product	Compliance	Status	Interface	Number of Lines	Direction	C Max (pF)	$V_{(BR)}$ Min (V)	V_{RWM} Max (V)	I_R Max (uA)	P_{PK} Max (W)	Package Type
PACVGA200QR	Pb-free Halide free	Active	VGA	7	Unidirectional	5	6	5.5	10	1	QSOP-24

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

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