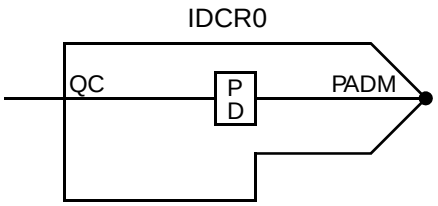
AMERICAN MICROSYSTEMS, INC.

AMI5HG 0.5 micron CMOS Gate Array

Description

IDCR0 is a non-buffered, resistive analog interface input piece with ESD protection.

Logic Symbol



Truth Table

PADM	QC
L	L
H	H

Pin Loading

	Load
PADM	4.90 pF

HDL Syntax

Verilog ..... IDCR0 *inst_name* (QC, PADM);

VHDL..... *inst_name*: IDCR0 port map (QC, PADM);

Power Characteristics

Parameter	Value	Units
Static I_{DD} (T_J = 85°C)	TBD	nA
EQL_{pd}	2.1	Eq-load

See page 2-15 for power equation.

Note: This special purpose, “resistive input” pad is not intended for use as a general input pad.