
CS82L41 Equivalent IO Circuits

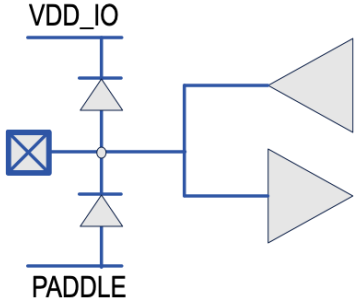
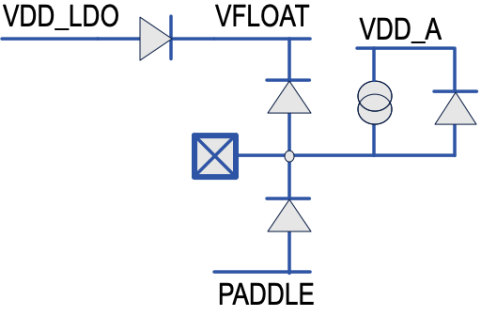
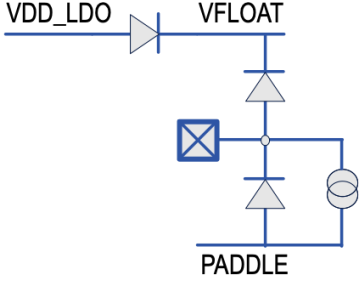
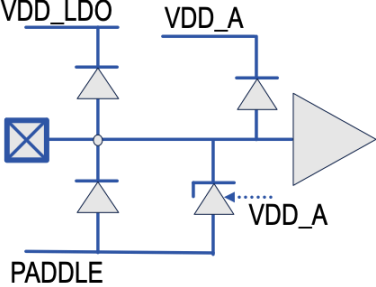
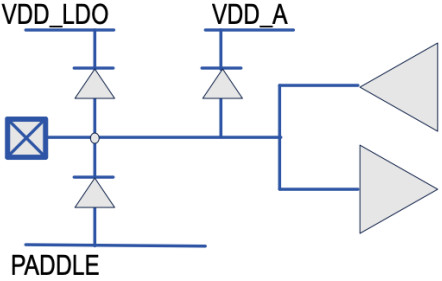
Introduction

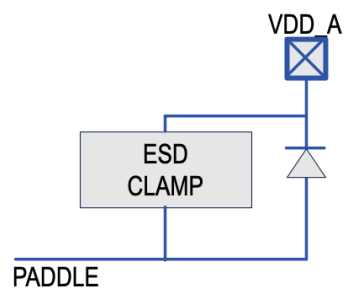
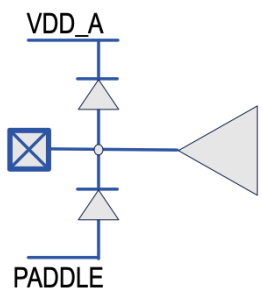
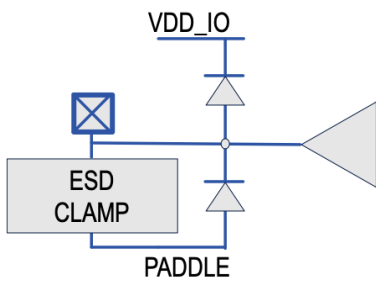
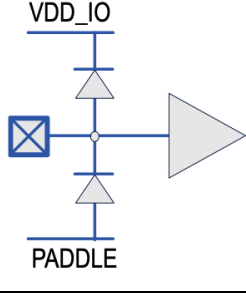
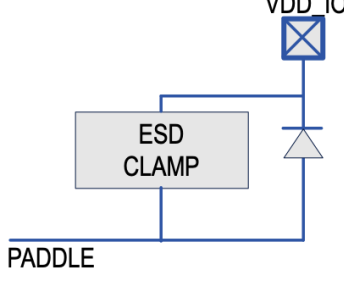
To provide customers with a greater insight into the input and output structures of the CS82L41 Imaging AFE with CMOS Data Output, a table detailing the equivalent on-chip circuit for each input and output of the device is presented.

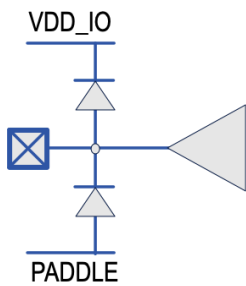
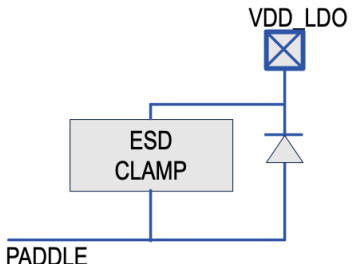
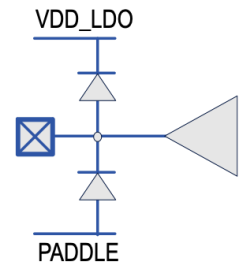
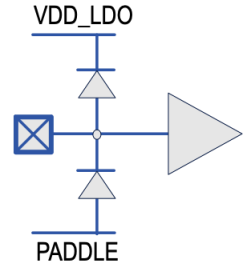
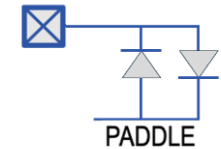
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1 Equivalent IO Circuits for CS82L41

Pin Name	Pin #	Power Supply	I/O	Equivalent Circuit
LEDR_EN/TGSYNC/GPIO1 LEDG_EN/LEDSTART/GPIO2 LEDB_EN/RSMP_EXT1/GPIO3 RSMP_EXT2/GPIO4	22 23 24 21	VDD_IO	I/O	
ILED_CTRL	20	VDD_LDO, VDD_A	O	
ILED_R ILED_G ILED_B	19 18 17	VDD_LDO	I	
IN1	15	VDD_LDO, VDD_A	I	
VBIAS	16	VDD_LDO, VDD_A	I/O	

Pin Name	Pin #	Power Supply	I/O	Equivalent Circuit
VDD_A	11	VDD_A	-	
VREF_FILT VLDO1_FILT	10 9	VDD_A	O	
VLDO2_FILT	8	VDD_IO	O	
SPI_SDI SPI_SCK SPI_CS VSMP_EXT MCLK_EXT	25 26 27 28 1	VDD_IO	I/O	
VDD_IO	6	VDD_IO	-	

Pin Name	Pin #	Power Supply	I/O	Equivalent Circuit
DOUT1 DOUT2 DOUT3 DOUT4/SPI_SDO	5 4 3 2	VDD_IO	O	
VDD_LDO	14	VDD_LDO	-	
VLDO5	12	VDD_LDO	O	
LDO_EN	13	VDD_LDO	I	
GND	7	-	-	

2 Revision History

Revision History

Revision	Changes
1.0 FEB 2025	• Initial version.

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