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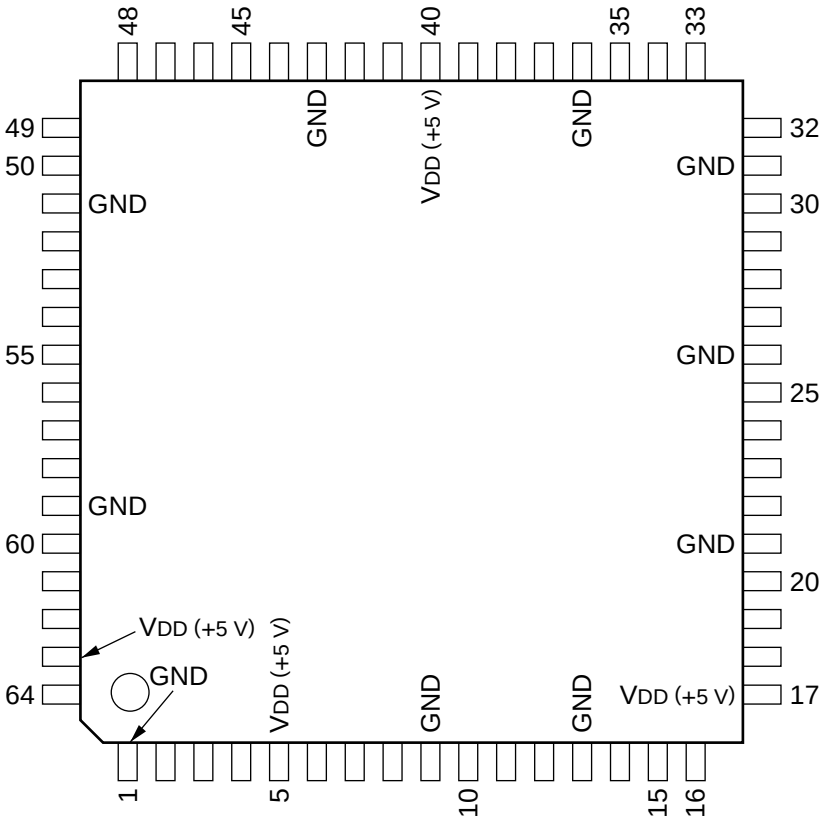
C-MOS SCSI PROTOCOL CONTROLLER

—TOP VIEW—



(VDD = +5 V)

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	GND	17	—	VDD	33	I/O	$\overline{\text{RST}}$	49	I	A0
2	O	DREQ	18	I/O	SD0	34	I/O	$\overline{\text{MSG}}$	50	I	A1
3	I	$\overline{\text{DACK}}$	19	I/O	SD1	35	I/O	SEL	51	—	GND
4	I	$\overline{\text{DBWR}}$	20	I/O	SD2	36	—	GND	52	I	A2-$\overline{\text{DBRD}}$
5	—	VDD	21	—	GND	37	I/O	$\overline{\text{CD}}$	53	I	A3-ALE
6	I/O	DB0	22	I/O	SD3	38	I/O	$\overline{\text{REQ}}$	54	I	$\overline{\text{TESTIN}}$
7	I/O	DB1	23	I/O	SD4	39	I/O	$\overline{\text{IO}}$	55	I/O	PAD0
8	I/O	DB2	24	I/O	SD5	40	—	VDD	56	I/O	PAD1
9	—	GND	25	I/O	SD6	41	I	MODE	57	I/O	PAD2
10	I/O	DB3	26	—	GND	42	O	$\overline{\text{INT}}$	58	I/O	PAD3
11	I/O	DB4	27	I/O	SD7	43	—	GND	59	—	GND
12	I/O	DB5	28	I/O	SDP	44	I	RESET	60	I/O	PAD4
13	—	GND	29	I/O	$\overline{\text{ATN}}$	45	I	$\overline{\text{WR}}$	61	I/O	PAD5
14	I/O	DB6	30	I/O	$\overline{\text{BSY}}$	46	I	$\overline{\text{RD}}$	62	I/O	PAD6
15	I/O	DB7	31	—	GND	47	I	$\overline{\text{CS}}$	63	I/O	PAD7
16	I/O	DBP	32	I/O	$\overline{\text{ACK}}$	48	I	CLK	64	—	VDD

INPUT

A0, A1	;	ADDRESS
A2 - $\overline{\text{DBRD}}$	;	ADDRESS/READ SIGNAL FOR THE DMA DATA BUS
A3 - ALE	;	ADDRESS
CLK	;	CLOCK
$\overline{\text{CS}}$	;	CHIP SELECT
$\overline{\text{DACK}}$	;	DMA ACKNOWLEDGE
$\overline{\text{DBWR}}$	;	DMA WRITE SIGNAL
MODE	;	MODE SELECT (PAD BUS/ADDRESS CONTROL BUS)
$\overline{\text{RD}}$	;	REGISTER READ SIGNAL
RESET	;	CHIP RESET
$\overline{\text{TESTIN}}$	;	TEST
$\overline{\text{WR}}$	;	REGISTER WRITE SIGNAL

OUTPUT

DREQ	;	DMA REQUEST SIGNAL
$\overline{\text{INT}}$	;	OPEN-DRAIN INTERRUPT SIGNAL

INPUT/OUTPUT

$\overline{\text{ACK}}$	;	SCSI I/O
$\overline{\text{ATN}}$	;	OPEN-DRAIN OUTPUT, SCHMITT TRIGGER INPUT
$\overline{\text{BSY}}$	;	OPEN-DRAIN SCSI I/O
$\overline{\text{CD}}$	;	SCSI PHASE SIGNAL
DB0 - DB7	;	DMA DATA BUS
DBP	;	ODD PARITY FOR DB0-DB7
$\overline{\text{IO}}$	;	SCSI PHASE SIGNAL
$\overline{\text{MSG}}$	;	SCSI PHASE SIGNAL
PAD0 - PAD7	;	PROCESSOR ADDRESS-DATA BUS
$\overline{\text{REQ}}$	;	SCSI I/O
$\overline{\text{RST}}$	;	OPEN-DRAIN SCSI I/O
SD0 - SD7	;	SCSI DATA BUS
SDP	;	SCSI DATA/PARITY OUTPUT BUS
$\overline{\text{SEL}}$	;	OPEN-DRAIN SCSI I/O