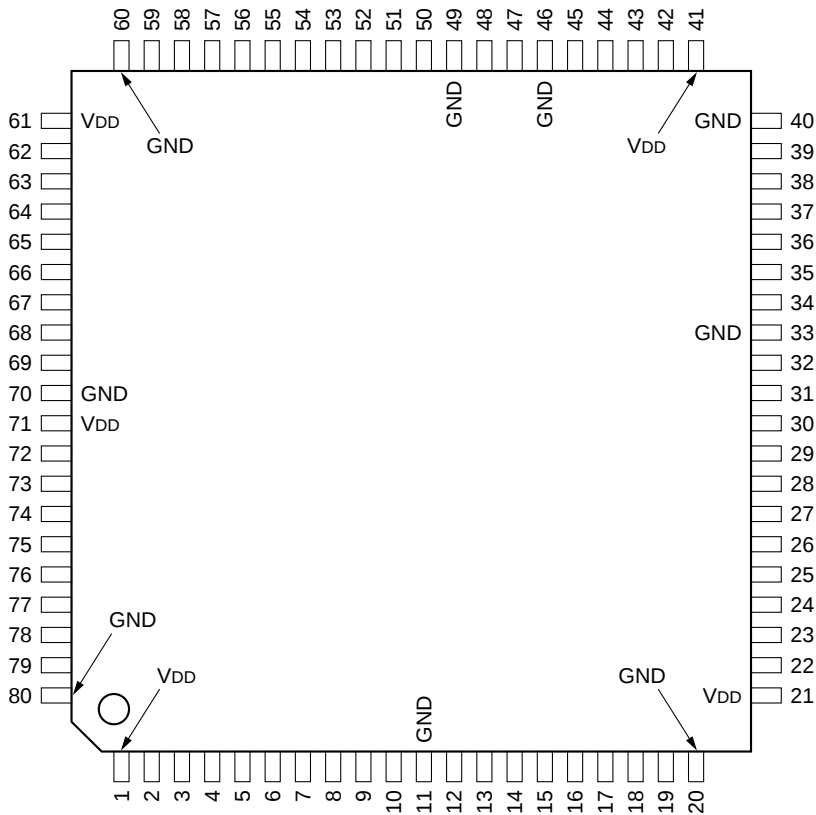


C-MOS INFRARED RAYS SERIAL COMMUNICATION DEVICE
—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	VDD	21	—	VDD	41	—	VDD	61	—	VDD
2	I	AEN/ $\overline{\text{CS}}$	22	I	BADDR0	42	I/O	GPIO0	62	O	IRQ3
3	I	A15	23	I	BADDR1	43	I/O	GPIO1	63	O	IRQ4
4	I	A14	24	I	MR	44	I/O	GPIO2/AUXSL	64	O	IRQ5
5	I	A13	25	I	ID3	45	I/O	GPIO3/BUSY	65	O	IRQ7
6	I	A12	26	I	$\overline{\text{DCD}}$	46	—	GND	66	O	IRQ9
7	I	A11	27	I	SIN	47	I	CLKIN	67	O	IRQ11
8	I	A10	28	O	SOUT	48	—	RESERVED	68	O	IRQ15
9	I	A9	29	I	$\overline{\text{DSR}}$	49	—	GND	69	—	RESERVED
10	I	A8	30	O	$\overline{\text{DTR/BOUT}}$	50	I	$\overline{\text{RD}}$	70	—	GND
11	—	GND	31	I	$\overline{\text{CTS}}$	51	I	$\overline{\text{WR}}$	71	—	VDD
12	I	A7	32	O	$\overline{\text{RTS}}$	52	I/O	D0	72	O	$\overline{\text{DRQ0}}$
13	I	A6	33	—	GND	53	I/O	D1	73	I	$\overline{\text{DACK0}}$
14	I	A5	34	I	$\overline{\text{RI}}$	54	I/O	D2	74	O	$\overline{\text{DRQ1}}$
15	I	A4	35	I/O	ID2/IRSL2	55	I/O	D3	75	I	$\overline{\text{DACK1}}$
16	I	A3	36	I/O	ID1/IRSL1	56	I/O	D4	76	O	$\overline{\text{DRQ3}}$
17	I	A2	37	I/O	ID0/IRSL0/IRRX2	57	I/O	D5	77	I	$\overline{\text{DACK3}}$
18	I	A1	38	I	IRRX1	58	I/O	D6	78	I	TC
19	I	A0	39	O	IRTX	59	I/O	D7	79	I	IRRX3
20	—	GND	40	—	GND	60	—	GND	80	—	GND

INPUT

A0 - A15	: ADDRESS BUS
AEN/ $\overline{\text{CS}}$	: ADDRESS ENABLE/CHIP SELECT
BADDR0, BADDR1	: BASE ADDRESS
CLKIN	: CLOCK
$\overline{\text{CTS}}$	: TRANSMISSION ENABLE
$\overline{\text{DACK0}}, \overline{\text{DACK1}}, \overline{\text{DACK3}}$	: DMA ACKNOWLEDGE
$\overline{\text{DCD}}$	: DATA CARRIER DETECT
$\overline{\text{DSR}}$	: DATA SET READY
ID3	: TRANSCEIVER DISCRIMINATION
IRRX1	: INFRARED RAYS RECEIVER
IRRX3	: AUXILIARY INFRARED RAYS RECEIVER
$\overline{\text{MR}}$	: MASTER RESEET
$\overline{\text{RD}}$	: READ
$\overline{\text{RI}}$	: RING INDICATOR
SIN	: SERIAL DATA
TC	: TERMINAL COUNT
$\overline{\text{WR}}$	: WRITE

OUTPUT

DRQ0, DRQ1, DRQ3	: DMA REQUEST
$\overline{\text{DTR/BOU}}$	: DATA TERMINAL READY/BAUD GENERATOR CLOCK
IRQ3 - IRQ5, IRQ7, IRQ9, IRQ11, IRQ15	: INTERRUPT REQUEST
$\overline{\text{IRTX}}$	: INFRARED RAYS
$\overline{\text{RTS}}$	: TRANSMISSION REQUEST
SOUT	: SERIAL DATA

INPUT/OUTPUT

D0 - D7	: DATA BUS
ID0/IRSL0/IRRX2	: TRANSCEIVER DISCRIMINATION/CONTROL OR SECONDARY IR RECEIVE
ID1/IRSL1, ID2/IRSL2	: TRANSCEIVER DISCRIMINATION/CONTROL
GPIO0, GPIO1	: PROGRAMMABLE I/O
GPIO2/AUXSL	: PROGRAMMABLE I/O OR AUXILIARY
GPIO3/BUSY	: PROGRAMMABLE I/O OR BUSY STATUS

