TEXAS INSTRUMENTS
INCORPORATED

Dear Consumer:

Enclosed are the pin assignments for the Texas Instruments 99/4 Home Computer.

The TI-99/4 Home Computer is a high volume, consumer product. From time to time, design modifications are made to improve manufacturability and reduce costs. These modifications can affect the I/O and software interface.

The information regarding the pin assignments furnished herein is to the best of our knowledge complete and accurate. However, Texas Instruments makes no warranty or representation as to the completeness and accuracy of the information which is provided on an "as is" basis.

Use and reliance on the information is solely at your own risk.

I hope this information will help you to better utilize your equipment.

Sincerely,

Software Communications

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I/O PORT PIN ASSIGNMENT
PERIPHERAL I/O port

PIN	DESCRIPTION	PIN	DESCRIPTION
1	+5 VOLT	2	SBE (SPEECH SELECT)
3	RESET	4	EXT INT
5	A5	6	A10
7	A4	8	A11
9	DBIN	10	A3
11	A12	12	READY/HOLD
13	LOAD	14	A8
15	A13	16	A14
17	A7	18	A9
19	A15	20	A2
21	GND	22	CRU CLK
23	GND	24	Ø 3
25	GND	26	WE
27	GND	28	MBE
29	A6	30	A1
31	A0	32	MEMEN
33	CRU IN	34	D7
35	D4	36	D6
37	D0	38	D5
39	D2	40	D1
41	HOLD/IAQ	42	D3
43	-5 VOLT	44	SPEECH

I/O PORT PIN ASSIGNMENTS
GROM PORT
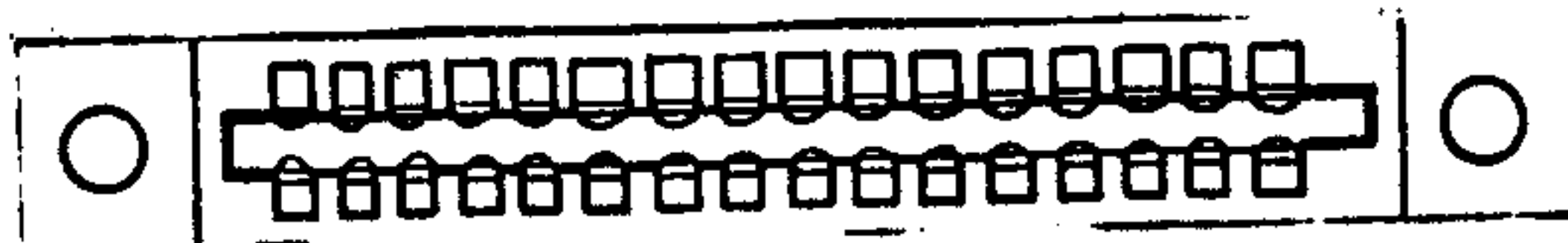
PIN	DESCRIPTION	PIN	DESCRIPTION
1	RESET	2	GND (SYSTEM)
2	D7	4	CRU CLK
5	D6	6	CRU IN
7	D5	8	A15/CRU OUT
9	D4	10	A13
11	D3	12	A12
13	D2	14	A11
15	D1	16	A10
17	D0	18	A9
19	+5 VOLT	20	A8
21	GS (GROM SELECT)	22	A7
23	MO/A14	24	A3
25	MI (DBIN)	26	A6
27	GROM CLOCK	28	A5
29	-5 VOLT	30	A4
31	GR (GROM READY)	32	WE
33	GND (GROM)	34	ROM G
35	GND (SYSTEM)	36	GND (SYSTEM)

I/O PORT PIN ASSIGNMENTS
REMOTE WIRED HANDHOLD CONTROLS I/O PORT

MALE PLUG FRONT VIEW

PIN	DESCRIPTION
1	NOT CONNECTED
2	JOYSTICK B
3	KEY(0 (UP)
4	KEY 4 (PUSH BUTTON)
5	KEY 3 (LEFT)
6	NOT CONNECTED
7	JOYSTICK A
8	KEY 1 (DOWN)
9	KEY 2 (RIGHT)
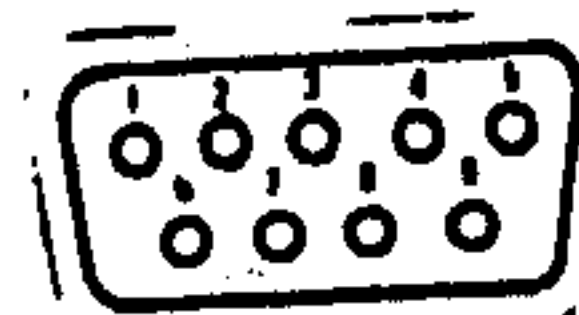
I/O PIN ASSIGNMENT
POWER RECEPTACLE (USA)

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 1 ○      ○ 4
  2 ○  ○ 3
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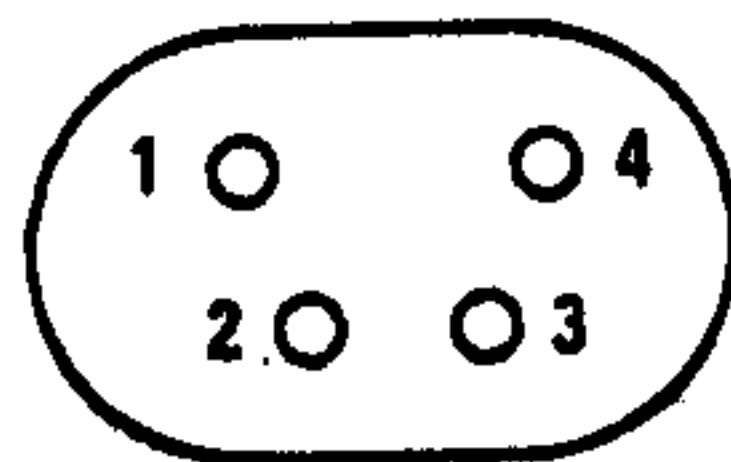
FRONT VIEW
MALE PLUG CONSOLE

PIN	DESCRIPTION
1	NOT USED
2	16 VOLT AC
3	COMMON
4	8 VOLT AC

I/O PORT PIN ASSIGNMENTS

CASSETTE I/O PORT
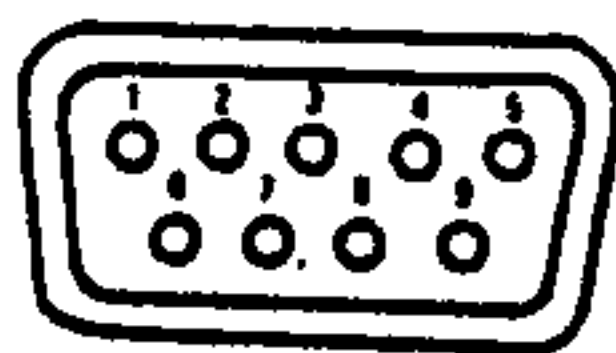
**MALE PLUG
FRONT VIEW**

PIN	DESCRIPTION
1	CS1 MOTOR CONTROL (POS)
2	CS1 MOTOR CONTROL (NEG)
3	GND (SYSTEM)
4	UNUSED
5	RECORD OUTPUT
6	CS2 MOTOR CONTROL (POS)
7	CS2 MOTOR CONTROL (NEG)
8	AUDIO IN
9	AUDIO GROUND

I/O PORT PIN ASSIGNMENTS

VIDEO JACK
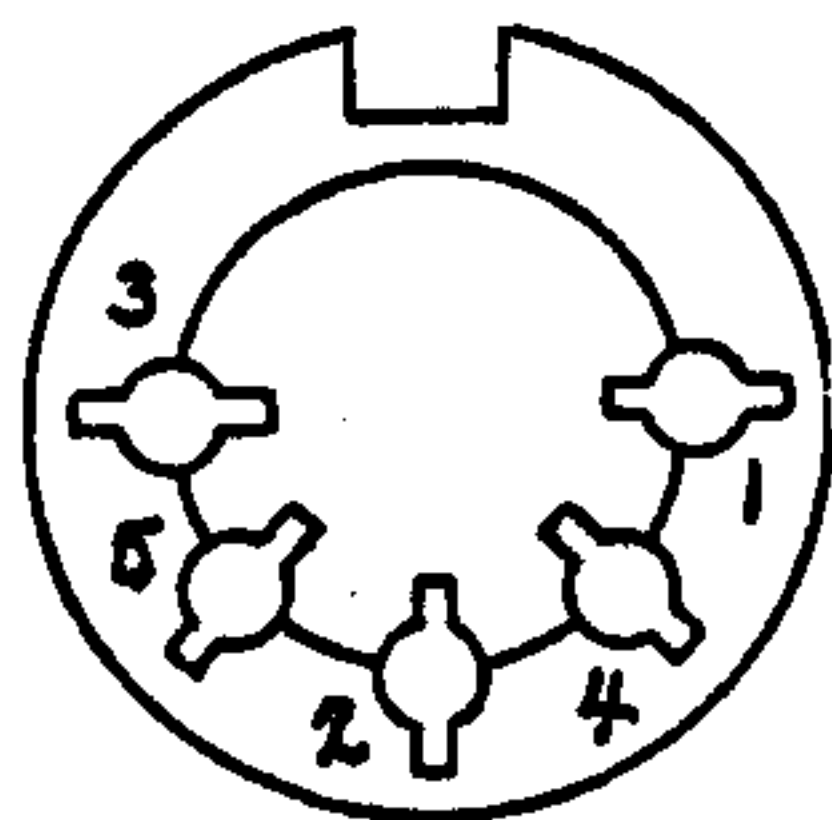
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PIN	DESCRIPTION
1	+12 VOLT SUPPLY FOR EXTERNAL UNITS SUCH AS MODULATOR
2	SHIELDING CONNECTION
3	SOUND OUTPUT
4	COMPOSITE VIDEO OUTPUT
5	GROUND CONNECTION