



Tech Info Library

Communication Slot: Specifications (5/96)

Revised: 5/31/96
Security: Everyone

Communication Slot: Specifications (5/96)

Article Created: 7 April 1994
Article Reviewed/Updated: 29 May 1996

TOPIC -----

I'm looking for information on the communications slot used in many Macintosh LC and Performa computers.

DISCUSSION -----

The following computers have the communications slot:

Begin_Table

Macintosh 575 family
Macintosh 630 family
Macintosh 5200 family
Macintosh 5300 family
Performa 6200CD series
Performa 6300 series

End_Table

The Communication slot is a 112 pin slot with a 32-bit wide data path.

Following is the pinout description for the communication slot:

Begin_Table

Signal Name	Pin#	Pin#	Signal Name
-----	----	----	-----
Audio MODEM to Host	1	2	Audio Host to MODEM
Audio MH GND	3	4	MIC to MODEM
R/W*	5	6	DS*
BERR*	7	8	DSACK1*
DSACK0*	9	10	GND

I0SIZE0*	11	12	C16M
I0SIZE1*	13	14	GND
RESET*	15	16	Bus Grant-Sacramento
I0D[31]	17	18	I0D[30]
I0D[29]	19	20	I0D[28]
I0D[27]	21	22	I0D[26]
I0D[25]	23	24	I0D[24]
I0D[23]	25	26	I0D[22]
+5V	27	28	I0D[21]
I0D[20]	29	30	I0D[19]
I0D[18]	31	32	I0D[17]
I0D[16]	33	34	I0D[15]
I0D[14]	35	36	I0D[13]
I0D[12]	37	38	I0D[11]
I0D[10]	39	40	I0D[9]
I0D[8]	41	42	GND
I0D[7]	43	44	I0D[6]
I0D[5]	45	46	I0D[4]
I0D[3]	47	48	I0D[2]
I0D[1]	49	50	I0D[0]
BGACK*	51	52	Bus Request-Sacramento
I0_CS_TIMED*	53	54	I0_CS_DSACK*
+5V	55	56	Sacramento IRQ*
I0A[1]	57	58	I0A[0]
A[2]	59	60	A[3]
A[4]	61	62	A[5]
A[6]	63	64	A[7]
A[8]	65	66	A[9]
A[10]	67	68	A[11]
A[12]	69	70	GND
A[13]	71	72	A[14]
A[15]	73	74	A[16]
A[17]	75	76	A[18]
A[19]	77	78	A[20]
A[21]	79	80	A[22]
A[23]	81	82	A[24]
+5V	83	84	A[25]
A[26]	85	86	A[27]
A[28]	87	88	A[29]
A[30]	89	90	A[31]
CPU_AS*	91	92	GND
TRICKLE+5V	93	94	System wakeup
'040 bus clock	95	96	-5V
+12V	97	98	GND
spare	99	100	C32M
spare	101	102	GND
spare	103	104	spare
SCC port A enable	105	106	spare
TxDA	107	108	RxDA
RTSA*	109	110	CTSA*
DTRA*	111	112	DCDA*

* = active low signal

End_Table

There are four communication slot cards available:

- Macintosh Express Fax/Modem - M2480LL/A (Discontinued)
- Apple Ethernet CS Twisted Pair Card - M3065Z/A
(for use with a 10BASE-T compatible hub)
- Apple Ethernet CS Thin Coax Card - M2708Z/A
- Apple Ethernet CS AAUI Card - M3066Z/A

Note:

The following computers are in the corresponding Macintosh families and series:

- Macintosh 575 family: LC 575, 580, Performa 575, 577, 578, 580
- Macintosh 630 family: LC 630, LC 630 DOS Compatible, Quadra 630, Performa 630, 630CD, 631CD, 635CD, 636, 636CD, 637CD, 638CD, 640CD
- Macintosh 5200 family: Power Macintosh 5200/75 LC, Performa 5200, 5210, 5215, 5220.
- Macintosh 5300 family: Power Macintosh 5300/100 LC, Performa 5300.
- Performa 6200CD series: 6200, 6205, 6214, 6216, 6218, 6220, 6230.
- Performa 6300 series: Performa 6300, 6290.

*Note: To distinguish between those cards that are compatible with the Power Macintosh 5400 from those compatible with earlier models, the communication slots themselves are named distinctly. The communications slot in previous models is referred to as "comm slot I" whereas the slot in the Power Macintosh 5400 is called "comm slot II".

The Tech Info Library article "Power Macintosh 5400: New Communications Slot" contains information on the Power Macintosh 5400 communications slot.

Article Change History:

29 May 1996 - Updated list of affected CPUs, updated other information.
26 Feb 1996 - Added Power Macintosh 5300 LC to list.
31 Aug 1995 - Reviewed and updated.

Copyright 1994-96, Apple Computer, Inc.

Tech Info Library Article Number:15081