BE-300 20 pin I/F Specifications

1.When used in RS-232C Mode

No. of pins	Signal	I/O	Buffer Type	Internal	External handling	Comment
1	ADPIN	I		Adapter Input		Positive input when using the AC adapter. Adapter Input 5.9 V 2A Max.
2	XSEL0	I	Schmit	1 MΩ Pull Up	OPEN	NC during RS-232C Mode
3	GND	-		Digital GND	GND	GND
4	SEL0	I	Schmit	1 MΩ Pull Up	GND	Connect to GND during RS-232C Mode
5	SEL1	I	Schmit	1 MΩ Pull Up	GND	Connect to GND during RS-232C Mode
6	SEL2	I	Schmit	1 MΩ Pull Up	GND	Connect to GND during RS-232C Mode
7	MPX0	O	3.3 V LVTTL	100 KΩ Pull Up (only V3 On) and 10 MΩ Pull Down	OPEN	NC during RS-232C Mode
8	MPX1	-		10 MΩ Pull Down	OPEN	NC during RS-232C Mode
9	MPX2	I	3.3 V LVTTL	5.6 KΩ Pull Up (only V3 On)		CTS during RS-232C Mode
10	MPX7	I	3.3 V LVTTL	5.6 KΩ Pull Up (only V3 On)		DCD during RS-232C Mode
11	MPX5	I	3.3 V LVTTL	5.6 KΩ Pull Up (only V3 On)		RXD during RS-232C Mode
12	MPX4	O	3-state 3.3 V LVTTL	10 MΩ Pull Down		TXD during RS-232C Mode
13	MPX3	O	3-state 3.3 V LVTTL	10 MΩ Pull Down		RTS during RS-232C Mode
14	MPX8	O	3-state 3.3 V LVTTL	15 KΩ Pull Up (only V3 On) and 10 MΩ Pull Down		DTR during RS-232C Mode
15	MPX6	I	3.3 V LVTTL	5.6 KΩ Pull Up (only V3 On) and 10 MΩ Pull Down		DSR during RS-232C Mode
16	MPX9			5.6 KΩ Pull Up (only V3 On)	OPEN	NC during RS-232C Mode
17	+DATA	I/O	*1	1.5 KΩ Pull Up	OPEN	NC during RS-232C Mode
18	-DATA	I/O	*1		OPEN	NC during RS-232C Mode
19	V3	O		Regulator 3.3 V output		3.3 V Output (On/Off Control) 3.3 V±5% 100 mA Max. during RS-232C Mode
20	ADGND	-		Adapter GND		Negative input when using the AC adapter. Adapter GND

2.When used in USB Mode

No. of pins	Signal	I/O	Buffer Type	Internal	External handling	Comment
1	ADPIN	I		Adapter Input		Positive input when using the AC adapter. Adapter Input 5.9 V 2A Max.
2	XSEL0	I	Schmit	1 MΩ Pull Up	OPEN	NC during USB Mode
3	GND	-		Digital GND	GND	GND
4	SEL0	I	Schmit	1 MΩ Pull Up	GND	Connect to GND during USB Mode
5	SEL1	I	Schmit	1 MΩ Pull Up	GND	Connect to GND during USB Mode
6	SEL2	I	Schmit	1 MΩ Pull Up	OPEN	NC during USB Mode
7	MPX0	O	3.3 V LVTTL	100 KΩ Pull Up (only V3 On) and 10 MΩ Pull Down	OPEN	NC during USB Mode
8	MPX1	-		10 MΩ Pull Down	OPEN	NC during USB Mode
9	MPX2	I	3.3 V LVTTL	5.6 KΩ Pull Up (only V3 On)	OPEN	NC during USB Mode
10	MPX7	I	3.3 V LVTTL	5.6 KΩ Pull Up (only V3 On)	OPEN	NC during USB Mode
11	MPX5	I	3.3 V LVTTL	5.6 KΩ Pull Up (only V3 On)	OPEN	NC during USB Mode
12	MPX4	O	3-state 3.3 V LVTTL	10 MΩ Pull Down	OPEN	NC during USB Mode
13	MPX3	O	3-state 3.3 V LVTTL	10 MΩ Pull Down	OPEN	NC during USB Mode
14	MPX8	O	3-state 3.3 V LVTTL	15 KΩ Pull Up (only V3 On) and 10 MΩ Pull Down	OPEN	NC during USB Mode
15	MPX6	I	3.3 V LVTTL	5.6 KΩ Pull Up (only V3 On) and 10 MΩ Pull Down	OPEN	NC during USB Mode
16	MPX9			5.6 KΩ Pull Up (only V3 On)	OPEN	NC during USB Mode
17	+DATA	I/O	*1	1.5 KΩ Pull Up		+DATA (USB) during USB Mode
18	-DATA	I/O	*1			-DATA (USB) during USB Mode
19	V3	O		Regulator 3.3 V output	OPEN	NC during USB Mode
20	ADGND	-		Adapter GND		Negative input when using the AC adapter. Adapter GND

*1 Conforms to Universal Serial Bus Specification Rev.1.1.

3. Precautions
    (1) Use pins 1 and 20 when using an AC adapater.
    (2) Pins that are not used in RS-232C Mode can be NC.
    (3) The output of Pin 19 (V3) is controlled by software during RS-232C Mode.

BE-300 CF I/F Specifications

CASIO COMPUTER CO., LTD.

Pin Assignments and Pin Type

Pin No.	Signal Name	Pin Type	Pin No.	Signal Name	Pin Type
1	GND	Ground	26	-CD1	I
2	D03	I/O	27	D11	I/O
3	D04	I/O	28	D12	I/O
4	D05	I/O	29	D13	I/O
5	D06	I/O	30	D14	I/O
6	D07	I/O	31	D15	I/O
7	-CE1	O	32	-CE2	O
8	A10	O	33	-VS1	I
9	-OE	O	34	-IORD	O
10	A09	O	35	-IOWR	O
11	A08	O	36	-WE	O
12	A07	O	37	RDY/-BSY/-IRQ	I
13	VCC	Power	38	VCC	Power
14	A06	O	39	-CSEL	
15	A05	O	40	-VS2	I
16	A04	O	41	RESET	O
17	A03	O	42	-WAIT	I
18	A02	O	43	-INPACK	I
19	A01	O	44	-REG	O
20	A00	O	45	BVD2/-SPKR	I
21	D00	I/O	46	BVD1/-STSCHG	I
22	D01	I/O	47	D08	I/O
23	D02	I/O	48	D09	I/O
24	WP/-IOIS16	I	49	D10	I/O
25	-CD2	I	50	GND	Ground

Power

Accuracy	3.3V +/- 5%
Max Current	300mA

DC Electrical Characteristics

These characterristics follow **CFA 1.3** specifications.

> **Basically, Cassiopeia's CF I/F follows CFA 1.3**
>
> **(1) CF Cards which requires 5V Power is not supported.**
> **(2) True IDE Mode is not supported .**