

How to build a Compact Flash (CF) Interface with a DNP/1486

In some situations it will be necessary to have a Compact Flash interface for the DNP/1486. But there is no 16-bit data bus available.

- **1. Step:** Compact Flash is using a 50-pin connector with 16-bit data and 11-bit addresses. Most Compact Flash will be operate with a simple 8-bit interface. Please use the following assignment table for connect the 50-pin Compact Flash connector to the DNP/1486.

From		To	Function
DNP/1486 Pin	Other	CF Pin	
63		21	Data 0
62		22	Data 1
61		23	Data 2
60		2	Data 3
59		3	Data 4
58		4	Data 5
57		5	Data 6
56		6	Data 7
55		20	Addr. 0
54		19	Addr. 1
53		18	Addr. 2
52		17	Addr. 3
51		36	WR#
50		9	RD#
48 (CS1)		7	CF.CS#
	GND	1, 50	Power (0V)
	GND	8, 10..12, 14..16	A10, A9..7, A6..4
	GND	39, 41	CSEL, RESET
	VCC	13, 38	Power (3.3V)
	VCC	32, 34, 35, 44	CE2#, IOR#, IOW#, REG#
	NC	47..49, 27..31	D8..10, D11..15
	NC	26, 25	CD1#, CD2#

	NC	24, 33, 37, 40, 42, 43, 45, 46	WP, VS1, RDY/BSY, VS2, WAIT#, INPACK#, BVD2, BVS1
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- **2. Step:** The interface is running in memory mode. Make sure that your Compact Flash cards supports this mode.