

How to build a Compact Flash (CF) Interface with a DNP/1110

In some situations it will be necessary to have a Compact Flash interface for the DNP/1110. 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/1110.

| From | | To | Function |
|--------------|-------|-------------------|------------------------|
| DNP/1110 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 |
|--|----|-----------------------------------|---|

- **2. Step:** The interface is running in memory mode. Make sure that your Compact Flash cards supports this mode.