

Display type: Optrex DMF-50414 NCU-FW
 Cable no.: Not available
 System: 686LCD/S with FPUM-1+AC-1 and external contrast voltage generator
 Display driver: 640x480 STN, 5V
 Status: Verified

| Display (15-pole conn.) | | Cable | JPLCD | 50-pole | Remarks |
|-------------------------|----------|----------|-------|----------|------------------------------------|
| Pin no. | Function | Wire no. | Pin | Function | |
| 1 | FLM | 1 | 11 | FLM | |
| 2 | LP | 2 | 10 | LP | |
| 3 | CP | 3 | 13 | SHFCLK | clock signal |
| 4 | DISP ON | 4 | 4 | ENVCC | |
| 5 | Vcc | 5 | 1 | VCC | |
| 6 | Vss | 6 | 9 | GND | |
| 7 | Vhh | 7 | - | - | connect to external +21 to +27Volt |
| 8 | DU0 | 8 | 31 | P11 | |
| 9 | DU1 | 9 | 30 | P10 | |
| 10 | DU2 | 10 | 28 | P9 | |
| 11 | DU3 | 11 | 27 | P8 | |
| 12 | DU4 | 12 | 19 | P3 | |
| 13 | DU5 | 13 | 18 | P2 | |
| 14 | DU6 | 14 | 16 | P1 | |
| 15 | DU7 | 15 | 15 | P0 | |

| Display (10-pole conn.) | | Cable | JPLCD | connector | Remarks |
|-------------------------|----------|----------|-------|-----------|---------|
| Pin no. | Function | Wire no. | Pin | Function | |
| 1 | Vss | 1 | 29 | GND | |
| 2 | DL0 | 2 | 37 | P15 | |
| 3 | DL1 | 3 | 36 | P14 | |
| 4 | DL2 | 4 | 34 | P13 | |
| 5 | DL3 | 5 | 33 | P12 | |
| 6 | DL4 | 6 | 25 | P7 | |
| 7 | DL5 | 7 | 24 | P6 | |
| 8 | DL6 | 8 | 22 | P5 | |
| 9 | DL7 | 9 | 21 | P4 | |
| 10 | Vss | 10 | 26 | GND | |

Please note that it is possible that the connector CN1 on the inverter is marked reversed compared to the data sheet. In other words pin 1 on the data sheet could be pin 7 on the PCB.