

Display type: PLANAR EL640.480 AD4

Cable no.: 40860006 (inclusive QND Quad NAND Gate type 74F132 or 74HC132)

System: 486-586LCD with FPUM-1 and AC-1

Display driver: PLA 640.480 A4b

Status: verified

| Display Pin no. | J1 32-pole conn. Function | Cable Wire no. | JPLCD Pin | connector Function | Remarks |
|-----------------|---------------------------|----------------|-----------|--------------------|---------------------------------------|
| 1 | GND | 1 | 6 | GND | also GND to QND-7 (Black wire) |
| 2 | D0 | 2 | 27 | P8 | (LSB) |
| 3 | GND | 3 | 9 | GND | |
| 4 | D1 | 4 | 28 | P9 | |
| 5 | GND | 5 | 12 | GND | |
| 6 | D2 | 6 | 30 | P10 | |
| 7 | Not used | 7 | - | - | |
| 8 | D3 | 8 | 31 | P11 | |
| 9 | Not used | 9 | - | - | |
| 10 | D4 | 10 | 33 | P12 | not used if DCON = "1-d" |
| 11 | Not used | 11 | - | - | |
| 12 | D5 | 12 | 34 | P13 | not used if DCON = "1-d" |
| 13 | Not used | 13 | - | - | |
| 14 | D6 | 14 | 36 | P14 | not used if DCON = "1-d" |
| 15 | GND | 15 | 14 | GND | |
| 16 | D7 | 16 | 37 | P15 | (MSB) not used if DCON = "1-d" |
| 17 | GND | 17 | 17 | GND | |
| 18 | VCLK | 18 | - | - | connect to QND-3 output (Orange wire) |
| - | - | - | 13 | SHFCLK | connect to QND,1+2 input (Brown wire) |
| 19 | GND | 19 | 20 | GND | |
| 20 | Blanking | 20 | - | - | Normal mode |
| 21 | GND | 21 | 23 | GND | |
| 22 | HS | 22 | 7 | M | |
| 23 | Not used | 23 | - | - | |
| 24 | VS | 24 | 11 | FLM | |
| 25 | Not used | 25 | - | - | |
| 26 | SELFTST | 26 | 26 | GND | |
| 27 | COLMAP | 27 | - | - | Use the DEFMAP jumpers |
| 28 | ENABLE | 28 | 4 | ENVCC | |
| 29 | Reserved | 29 | - | - | |
| 30 | _LOWPOW | 30 | 4 | ENVCC | Maximum brightness and contrast |
| 31 | Not used | 31 | - | - | |
| 32 | Not used | 32 | - | - | |
| 33 | Reserved | 33 | - | - | No connection |
| 34 | Reserved | 34 | - | - | No connection |

| Display Pin no. | J2 4-pole conn. Function | Cable Wire no. | Connector pin | connector Function | Remarks |
|-----------------|--------------------------|----------------|---------------|--------------------|-------------------------------|
| 1 | Vcc2 | 41 & 42 | FPUM-1,CON1 1 | VCC | +12V |
| 2 | GND | 39 & 40 | FPUM-1,CON1 2 | GND | |
| 3 | GND | 37 & 38 | JPLCD 29 & 32 | GND | |
| 4 | Vcc1 | 35 & 36 | JPLCD 1 & 2 | - | +5V also to FI(14) (Red wire) |

