

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	J1 32-pole conn.	Cable	JPLCD	connector	Remarks
Pin no.	Function	Wire no.	Pin	Function	
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	J2 4-pole conn.	Cable	Connector pin	connector	Remarks
Pin no.	Function	Wire no.		Function	
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)

