

Display type: SHARP LQ070T5DG01  
 Cable no.: not available  
 System: 686LCD/s /MG with or without PLR V.4  
 Display driver: 854 x 480, TFT, Sharp, LQ070T5DG01, 5 Volt  
 Status: Verified

Display	Connector	Adaptor board	Cable	JPLCD	Connector	Remarks
DF9-31 Pin #	Function	DF13-40 Pin #	Wire #	Pin #	Function	
-	-	1		-		
-	-	2		-		
-	-	3		-		
-	-	4		-		
31	GND	5	31	*	GND	
30	CK	6	30	13	SHFCLK	Dot Clock
29	GND	7	29	*	GND	
28	Hsync	8	28	10	LP	
27	Vsync	9	27	11	FLM	
26	VGL	10	26	-	-	- 10V power supply
25	R0	11	25	43	P18	
24	R1	12	24	44	P19	
23	R2	13	23	46	P20	
22	R3	14	22	47	P21	
21	R4	15	21	48	P22	
20	R5	16	20	49	P23	
19	GND	17	19	*	GND	
18	G0	18	18	30	P10	
17	G1	19	17	31	P11	
16	G2	20	16	33	P12	
15	G3	21	15	34	P13	
14	G4	22	14	36	P14	
13	G5	23	13	37	P15	
12	GND	24	12	*	GND	
11	B0	25	11	18	P2	
10	B1	26	10	19	P3	
9	B2	27	9	21	P4	
8	B3	28	8	22	P5	
7	B4	29	7	24	P6	
6	B5	30	6	25	P7	
5	HVR	31	5	1	LCDVCC	H=Normal video L=Inv. video
4	ENAB	32	4	7	M	
3	VSH	33	3	2	LCDVCC	+ 5V power supply
2	VSH	34	2	1	LCDVCC	+ 5V power supply
1	VGH	35	1	-	-	+ 10V power supply
-	-	36		-		
-	-	37		-		
-	-	38		-		
-	-	39		-		
-	-	40		-		

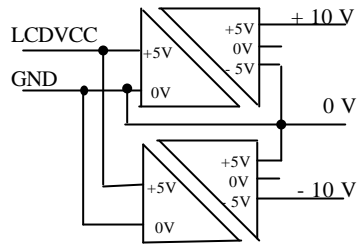
- = Pin 6, 9, 12, 14, 17, 20, 23, 26, 29, 32, 35, 38, 45 and 50

**Note: Power supply sequence:**

Power On : VGL-VSH-VGH (Or at the same time)

Power Off : VGH-VSH-VGL (Or at the same time)

**Example of how to make a +/- 10 Volt power supply.**



2 x Newport  
NMA0505S  
DC-DC Converters