



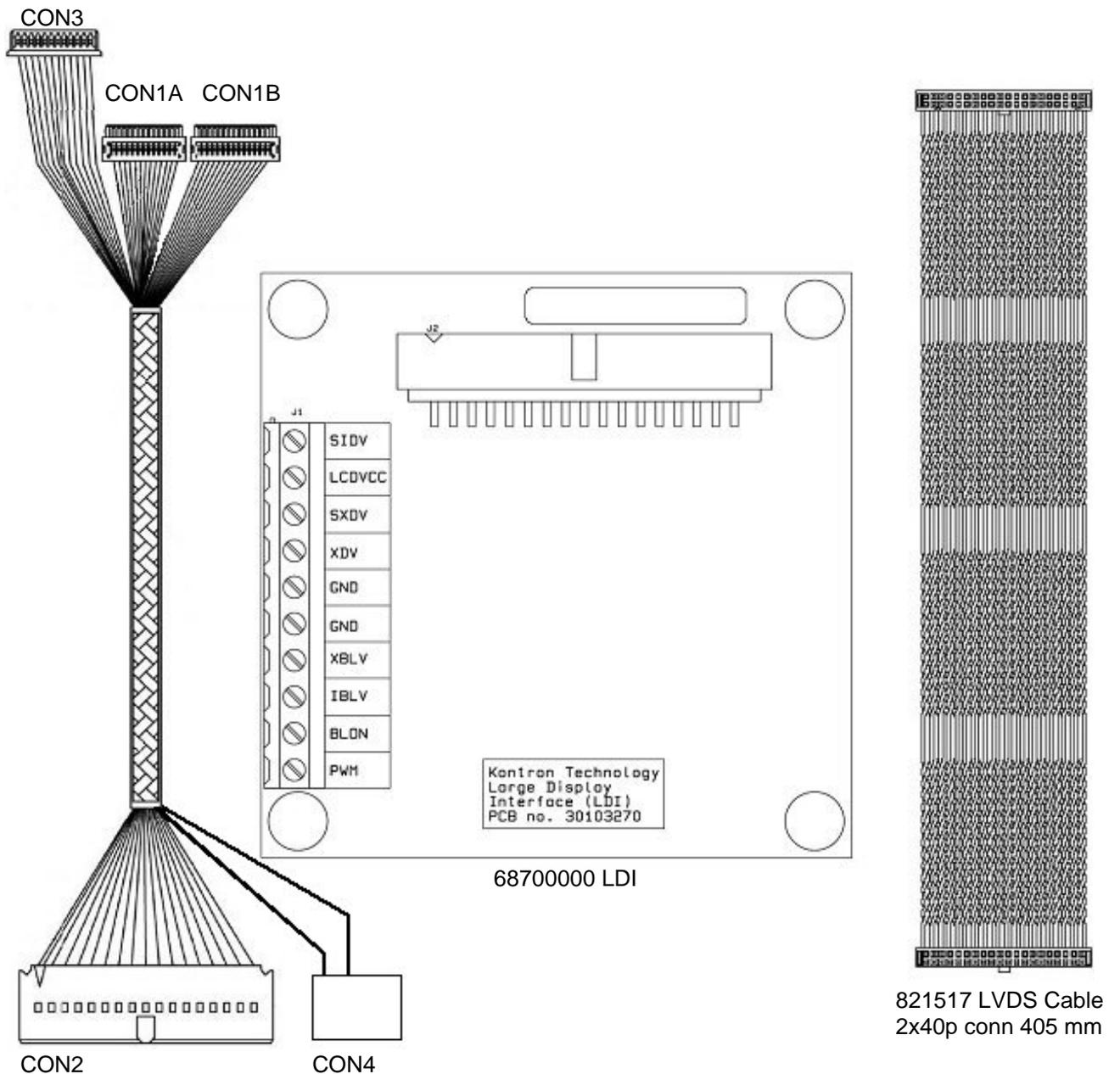
The LDI (Large Display Interface) Dual Sharp LQ201U1LW01 consist of components to drive two Sharp LQ201U1LW01 displays, one via the ADD-LVDS card and the other via LVDS connector on the 886LCD-M/mITX board.

The cable kit is designed to support the inverter HWA Youn type QF131V1. Inverter from Power System type PS-TI1806SC-01 can be used if CON3 wire 7 and 8 are exchanged.

The kit contains:

- 1 x 820975 LDI module
- 2 x 821523 Cable for Sharp LQ201U1LW01
- 1 x 821517 LVDS Cable 2x40p conn 405 mm

Items



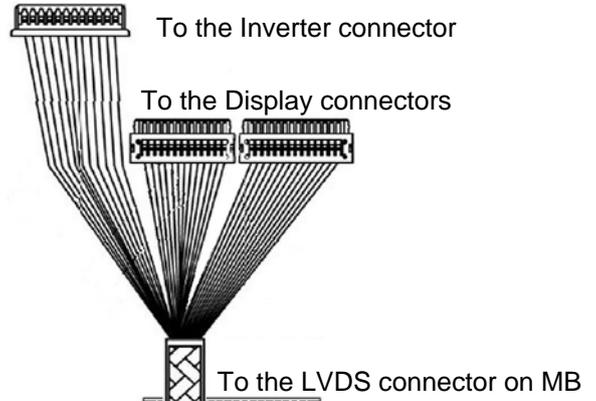
821523 Cable for Sharp LQ201U1LW01 (2 pieces)



One of the "821523" shall be modified by moving CON2 terminal 33 and 34 to terminal 1 and 2. Then connect the "821523" between ADD-LVDS card, Power cable and one of the Display/Inverter sets. The ADD-LVDS Module shall be power supplied via the 4-pole (FDD) power plug and the dip switch no. 2 shall be ON and all other shall be OFF.

The other "821523" shall be connected in between the Display/Inverter set and the LDI module. Also the "821517" Cable shall be connected to the LDI module. Add power to the Power Plug.

The assembled cable kit looks like this:

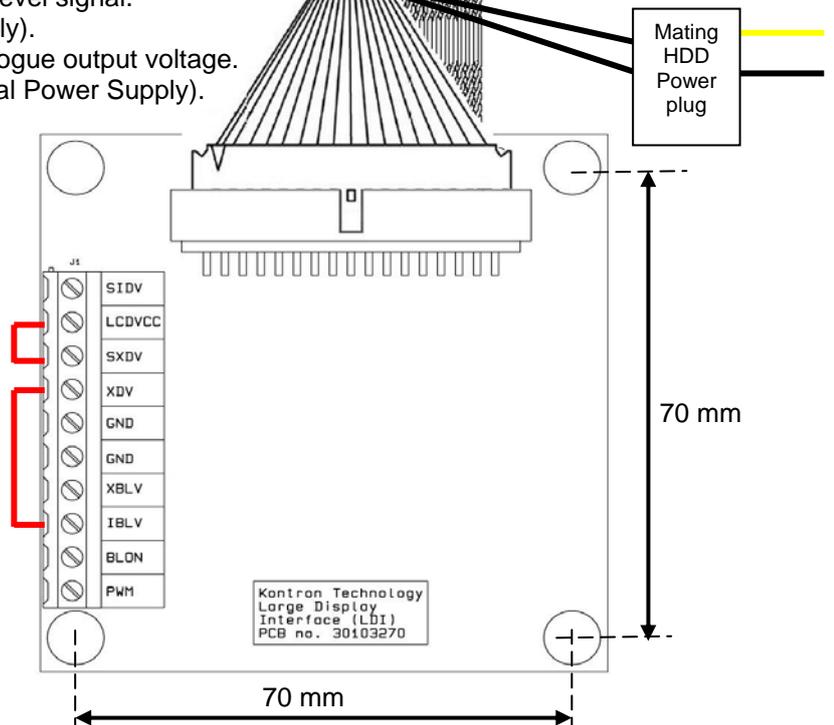


The total length of the cable kit is almost 1 m.

The J1 on the LDI Module contains the following terminals :

- T1. SIDV (**S**elect **I**nternal **D**isplay **V**oltage)
- T2. LCDVCC Display Voltage,
connect to T1 and leave T3 and T4 unconnected
or connect to T3 and connect external voltage to T4.
- T3. SXDV (**S**elect **e**Xternal **D**isplay **V**oltage)
- T4. XDV (**e**Xternal **D**isplay **V**oltage) input power.
5 – 30V /4A max.
- T5. GND
- T6. GND
- T7. XBLV (**e**Xternal **B**ack **L**ight **V**oltage) input power.
5 – 30V /4A max.
- T8. IBLV (**I**nternal **B**ack **L**ight **V**oltage) if this 12V/2.2A is
sufficient then connect it to T7 instead of external
voltage.
- T9. BLON (**B**ack **L**ight **O**N) output TTL level signal.
(Option for external Power Supply).
- T10. PWM (**P**ulse **W**idth **M**odulator) Analogue output voltage.
0 – 3V / 1mA. (Option for external Power Supply).

Connection of wires on the LDI module J1 shall be done as indicated by the red lines. (Use 12V from Motherboard as LCDVCC).



**82152x Cable for Sharp LQ201U1LW01 specification:**

CON1A and CON1B is DF19G-20P-1C

CON2 is 34pole connector

CON3 is JST PHR8

CON4 is 4-pole power plug (HDD plug).

CON1A	CON2		Remarks
Pin	Pin	Function	
1	33, 34	LCDVCC	For use on 820975 connect to pin 1, 2 instead of 33, 34
2	33, 34	LCDVCC	For use on 820975 connect to pin 1, 2 instead of 33, 34
3	31	GND	
4	31	GND	
5	29	A0-	Pair no 1
6	30	A0+	Pair no 1
7	31	GND	
8	27	A1-	Pair no 2
9	28	A1+	Pair no 2
10	19	GND	
11	25	A2-	Pair no 3
12	26	A2+	Pair no 3
13	19	GND	
14	23	CLK1-	Pair no 4
15	24	CLK1+	Pair no 4
16	19	GND	
17	21	A3-	Pair no 5
18	22	A3+	Pair no 5
19	8	GND	
20	-	-	No connection

CON1B	CON2		Remarks
Pin	Pin	Function	
1	33, 34	LCDVCC	For use on 820975 connect to pin 1, 2 instead of 33, 34
2	33, 34	LCDVCC	For use on 820975 connect to pin 1, 2 instead of 33, 34
3	32	GND	
4	32	GND	
5	17	A4-	Pair no 6
6	18	A4+	Pair no 6
7	32	GND	
8	15	A5-	Pair no 7
9	16	A5+	Pair no 7
10	20	GND	
11	13	A6-	Pair no 8
12	14	A6+	Pair no 8
13	20	GND	
14	11	CLK2-	Pair no 9
15	12	CLK2+	Pair no 9
16	20	GND	
17	9	A7-	Pair no 10
18	10	A7+	Pair no 10
19	8	GND	
20	8	GND	OpenLDI/SPWG

CON3	CON2		CON4	Remarks
Pin	Pin	Function		
1	-	-	1	+12V
2	-	-	1	+12V
3	-	-	1	+12V
4	-	-	2	GND
5	-	-	2	GND
6	-	-	2	GND
7	3	GND		0-3.3V
8	7	BKLTEN		(2.4-5V)/(0.8 -0V) => On/Off

Note: Inverter from Power System type PS-TI1806SC-01 can be used if CON3 wire 7 and 8 are exchanged.