



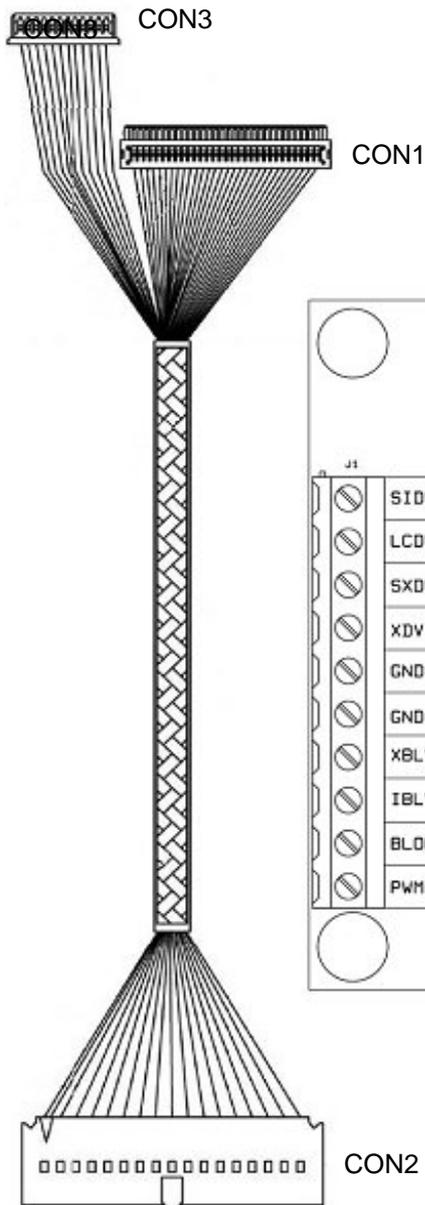
The RDP Cable Kit Samsung LTM201U1-L01 consist of components to drive two Samsung LTM201U1-L01 displays, one display via the LVDS connector on the 886LCD-M/mITX board and the other display via the ADD-LVDS card.

The cable kit is designed to support the inverter type INT IT20166A.

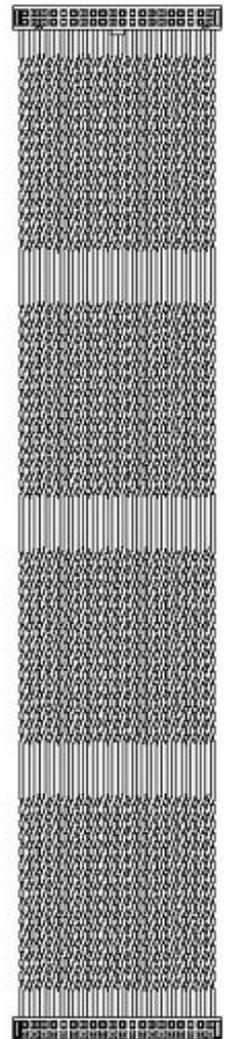
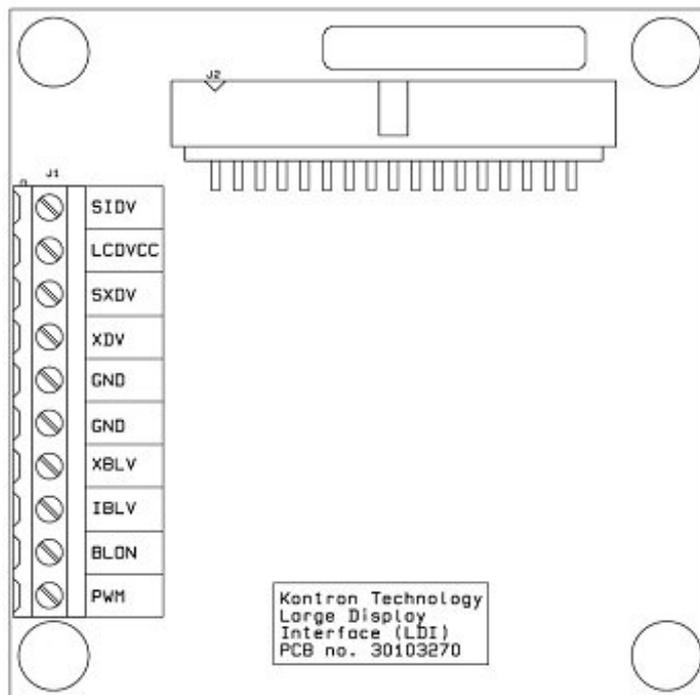
The kit contains:

- 1 x 68700000 LDI module
- 2 x 821522 Cable for Samsung LTM201U1-L01
- 1 x 821517 LVDS Cable 2x40p conn 405 mm

### Items



68700000 LDI



821517 LVDS Cable 2x40p conn 405 mm

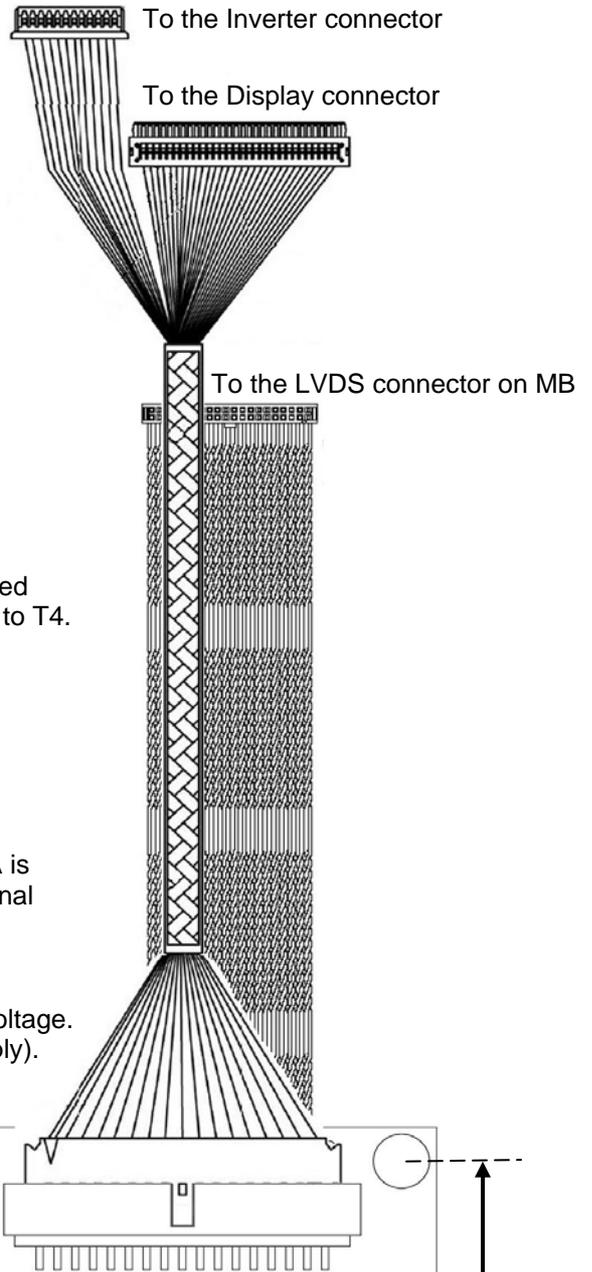
821522 Cable for Samsung LTM201U1-L01 (2 pieces)



One of the "821522 Cable for Samsung LTM201U1-L01" shall be connected between ADD-LVDS card 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 "821522 Cable for Samsung LTM201U1-L01" shall be connected to the "68700000 LDI module" and "821517 LVDS Cable 2x40p conn 405 mm" and then to the other Display/Inverter set.

**The assembled cable kit looks like this:**

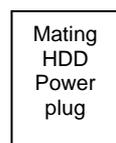


The total length of the cable kit is almost 1 m.

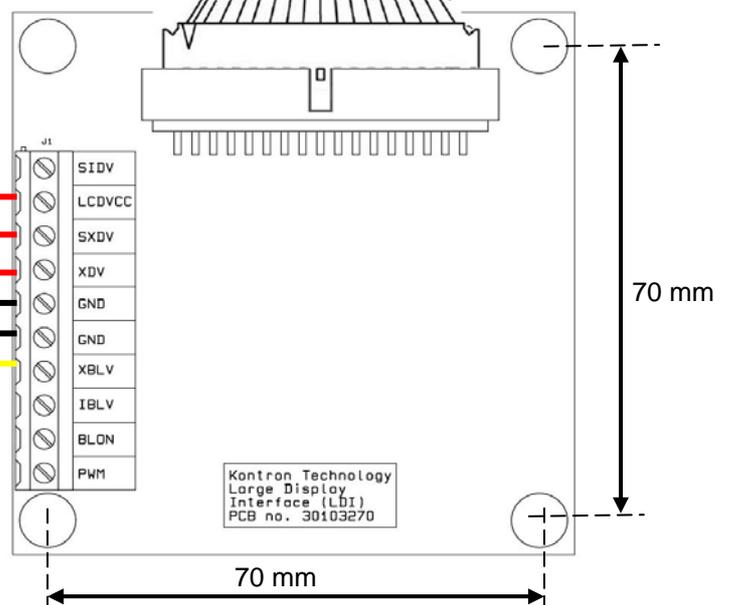
The J1 on the LDI Module contains the following terminals :

- 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 power to the LDI module shall be done as indicated by the red, black and yellow lines.



(5V for Display and 12V for Back Light)



Kontron Technology  
Large Display  
Interface (LDI)  
PCB no. 30103270

**821522 Cable for Samsung LTM201U1-L01 specification:**

CON1 Pin	CON2		Remarks
	Pin	Function	
1	33, 34	LCDVCC	
2	33, 34	LCDVCC	
3	33, 34	LCDVCC	
4	33, 34	LCDVCC	
5	-	-	No connection
6	19	GND	
7	10	A7+	Pair no 10
8	9	A7-	Pair no 10
9	12	CLK2+	Pair no 9
10	11	CLK2-	Pair no 9
11	14	A6+	Pair no 8
12	13	A6-	Pair no 8
13	16	A5+	Pair no 7
14	15	A5-	Pair no 7
15	18	A4+	Pair no 6
16	17	A4-	Pair no 6
17	20	GND	
18	31	GND	
19	22	A3+	Pair no 5
20	21	A3-	Pair no 5
21	24	CLK1+	Pair no 4
22	23	CLK1-	Pair no 4
23	26	A2+	Pair no 3
24	25	A2-	Pair no 3
25	28	A1+	Pair no 2
26	27	A1-	Pair no 2
27	30	A0+	Pair no 1
28	29	A0-	Pair no 1
29	32	GND	
30	-	-	No connection

CON3 Pin	CON2		Remarks
	Pin	Function	
1	8	GND	
2	6	PMW	0-3.3V
3	8	GND	
4	7	BKLTEN	(2.4-5V)/(0.8 -0V) => On/Off
5	3	GND	
6	3	GND	
7	-	-	No Connection
8	4	GND	
9	4	GND	
10	1, 2	BLV	
11	1, 2	BLV	
12	1, 2	BLV	