

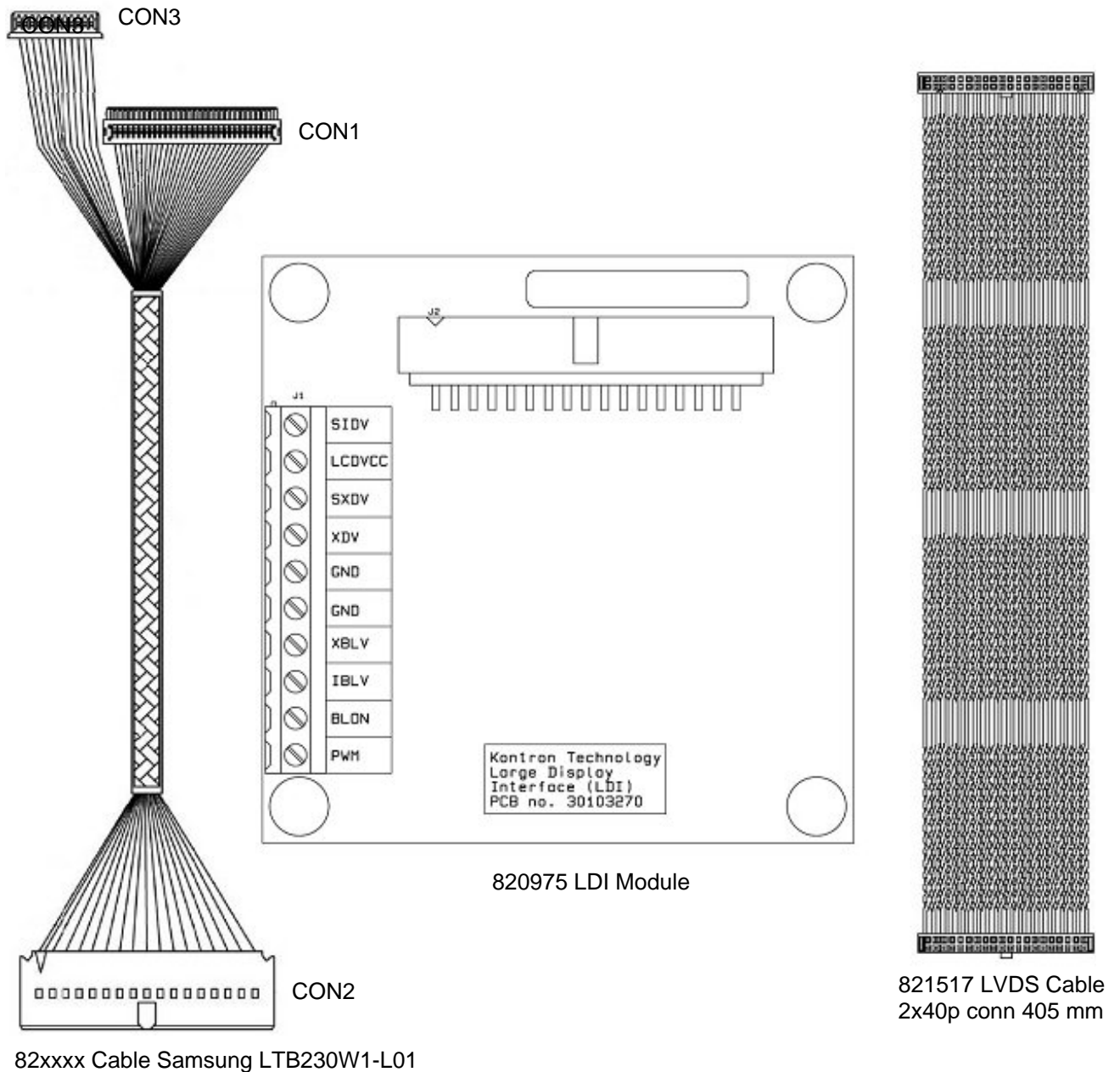


The 82xxxx Cable Kit Samsung LTB230W1-L01 consist of components to drive a Samsung LTB230W1-L01 (or LTA230W1-L02) display inclusive integrated Inverter.

The kit contains:

- 1 x 820975 LDI module
- 1 x 82xxxx Cable Samsung LTB230W1-L01
- 1 x 821517 LVDS Cable 2x40p conn 405 mm

Items



820975 LDI Module

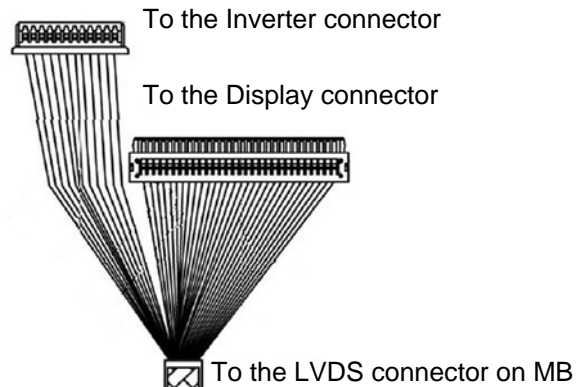
821517 LVDS Cable 2x40p conn 405 mm

82xxxx Cable Samsung LTB230W1-L01



The "82xxxx Cable Samsung LTB230W1-L01" shall be connected to the "820975 LDI module" and "821517 LVDS Cable 2x40p conn 405 mm" and then to the Display/Inverter set.

The assembled cable kit looks like this:



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

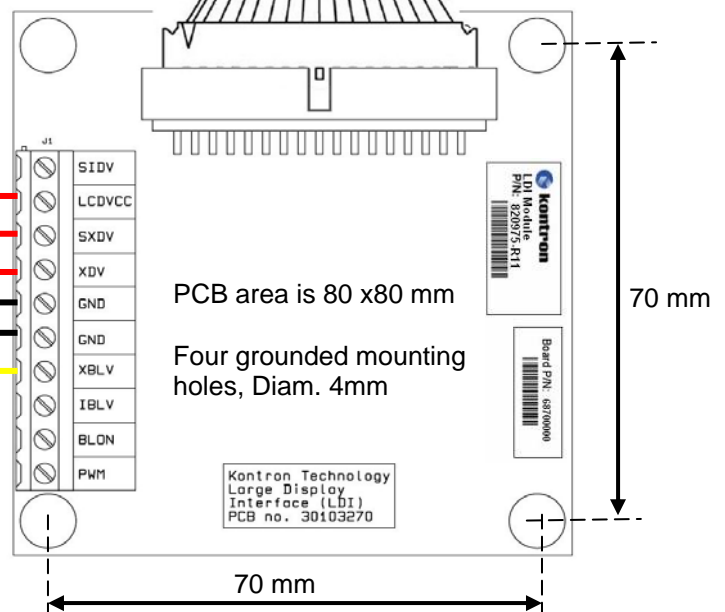
The J1 on the LDI Module contains the following terminals :

- 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.

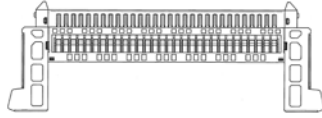
- +5V/5A
- GND
- GND
- +24V/4A

(5V for Display and 24V for Back Light)



**82xxxx Cable for Samsung LTB230W1-L01 specification:**

CON1: JAE FI-E30H



CON2: Molex 90160-0134 and terminals 90119-012x

CON3: JST PHR14.

CON1	CON2		Remarks
Pin	Pin	Function	
1	-	-	NC
2	-	-	NC
3	-	-	NC
4	8	GND	
5	29	A0-	Pair no 1
6	30	A0+	Pair no 1
7	8	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	20	GND	
17	21	A3-	Pair no 5
18	22	A3+	Pair no 5
19	20	GND	
20	-	-	NC
21	31	GND	
22	-	-	NC
23	31	GND	
24	32	GND	
25	32	GND	
26	33, 34	LCDVCC	
27	33, 34	LCDVCC	
28	33, 34	LCDVCC	
29	33, 34	LCDVCC	
30	33, 34	LCDVCC	

CON3	CON2		Remarks
Pin	Pin	Function	
1	1, 2	BLV	
2	1, 2	BLV	
3	1, 2	BLV	
4	1, 2	BLV	
5	1, 2	BLV	
6	3, 4	GND	
7	3, 4	GND	
8	3, 4	GND	
9	3, 4	GND	
10	3, 4	GND	
11	-	-	No Connection
12	7	BKLTEN	(2.4-5V)/(0.8 -0V) => On/Off
13	6	PMW	0-3.3V
14	5	5V/3.3V	Dismount R15 => 5V signal