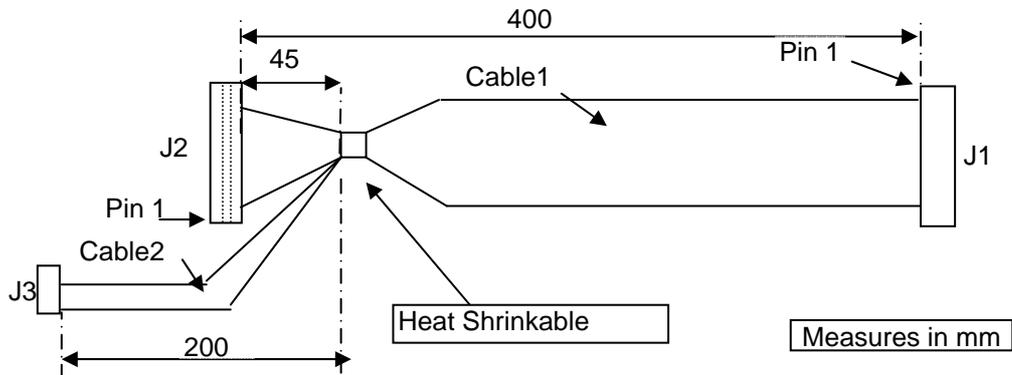


The cable kit is designed to interface the 886LCD-M onboard LVDS 40-pole connector to the display Samsung LTM170E8-L02 and Inverter GH053A.



Part list:

Reference	Description
J1	40-pole connector Don Connex A32-40-C-G-B-1
J2	30-pole connector UJU IN-30-OB100 mating connector in RoHS compliant version Maybe UJU HP100-C30N-N15 + 27 pieces Crimp terminals?
J3	Molex 51021-1200 + 11 pieces of crimp terminals for AWG28-32 (50058-8100)
Cable1	400mm 2x20 twisted pair flat cable Amphenol Spectra Strip 125-3007-040.
Cable2	200mm flat cable AWG28 or AWG30.
Misc.	3 pieces HST (Heat shrinkable tube) for protection of unused wires. 1 x 15mm black HST for covering all of the above HST's.

Connection Table for J3 (Inverter):

Inverter GH053A		Connect to		Remarks
Pin no.	Function			
1	+12V	1,2,3,4,5	Vin	
2	+12V	1,2,3,4,5	Vin	
3	+12V	1,2,3,4,5	Vin	
4	GND	6,8,16,27,28,39,40	GND	
5	GND	6,8,16,27,28,39,40	GND	
6	NC	-	-	
7	GND	6,8,16,27,28,39,40	GND	
8	GND	6,8,16,27,28,39,40	GND	
9	BLKON	15	BKLTEN	+5V => Back Light On
10	GND	6,8,16,27,28,39,40	GND	
11	BRT_ADJ	13	BKLTCTL	GND => max intensity
12	GND	6,8,16,27,28,39,40	GND	

NOTE: In BIOS select **Backlight Signal Inversion** to be **Disabled**.



Connection Table for J2 (Display):

J2 (30-pole conn.)		J1 (40-pole connector)		Remarks
Pin no.	Function	Pin	Function	
1	RxO0-	17	A0-	Pair no 1
2	RxO0+	18	A0+	Pair no 1
3	RxO1-	19	A1-	Pair no 2
4	RxO1+	20	A1+	Pair no 2
5	RxO2-	21	A2-	Pair no 3
6	RxO2+	22	A2+	Pair no 3
7	GND	6,8,16,27,28,39,40	GND	
8	RxOC-	23	CLK1-	Pair no 4
9	RxOC+	24	CLK1+	Pair no 4
10	RxO3-	25	A3-	Pair no 5
11	RxO3+	26	A3+	Pair no 5
12	RxE0-	29	A4-	Pair no 6
13	RxE0+	30	A4+	Pair no 6
14	GND	6,8,16,27,28,39,40	GND	
15	RxE1-	31	A5-	Pair no 7
16	RxE1+	32	A5+	Pair no 7
17	GND	6,8,16,27,28,39,40	GND	
18	RxE2-	33	A6-	Pair no 8
19	RxE2+	34	A6+	Pair no 8
20	RxEC-	35	CLK2-	Pair no 9
21	RxEC+	36	CLK2+	Pair no 9
22	RxE3-	37	A7-	Pair no 10
23	RxE3+	38	A7+	Pair no 10
24	VSS	6,8,16,27,28,39,40	GND	
25	NC	-	-	No Connection
26	DE	-	-	DE Out
27	NC	-	-	No Connection
28	VDD	9, 10	+5V	
29	VDD	9, 10	+5V	
30	VDD	9, 10	+5V	

Note: Unused wire 7 in a HST. Unused wires 11 and 12 in HST. Unused wire 14 in a HST.