



Kabellänge: 500mm

FSC D2703-S; Hirose DF13-40, straight, SMT			Phillips LB121S03-TL01	
LVDS-Connector			LS Cable GT100-20P-LS-SMT	
SIGNAL	SYMBOL	PIN	Pin No.	Symbol
Ground	GND	1	3	GND
Ground	GND	2	4	GND
LVDS_Out3+ (ODD_3+)	LO3+	3		
LVDS_Out7+ (EVEN_3+)	LO7+	4		
LVDS_Out3- (ODD_3-)	LO3-	5		
LVDS_Out7- (EVEN_3-)	LO7-	6		
Ground	GND	7		
Ground	GND	8	13	GND
LVDS_Out2+ (ODD_2+)	LO2+	9	12	A3P
LVDS_Out6+ (EVEN_2+)	LO6+	10		
LVDS_Out2- (ODD_2-)	LO2-	11	11	A3M
LVDS_Out6- (EVEN_2-)	LO6-	12		
Ground	GND	13		
Ground	GND	14	10	GND
LVDS_Out1+ (ODD_1+)	LO1+	15	9	A2P
LVDS_Out5+ (EVEN_1+)	LO5+	16		
LVDS_Out1- (ODD_1-)	LO1-	17	8	A2M
LVDS_Out5- (EVEN_1-)	LO5-	18		
Ground	GND	19		
Ground	GND	20	7	GND
LVDS_Out0+ (ODD_0+)	LO0+	21	6	A1P
LVDS_Out4+ (EVEN_0+)	LO4+	22		
LVDS_Out0- (ODD_0-)	LO0-	23	5	A1M
LVDS_Out4- (EVEN_0-)	LO4-	24		
Ground	GND	25		
Ground	GND	26	16	GND
LVDS_CLK1+ (CLK_ODD+)	CLK1+	27	15	CLKP
LVDS_CLK2+ (CLK_EVEN+)	CLK2+	28		
LVDS_CLK1- (CLK_ODD-)	CLK1-	29	14	CLKM
LVDS_CLK2- (CLK_EVEN-)	CLK2-	30		
Ground	GND	31		
Ground	GND	32		
DDC-Clock	DDCCLK	33		
DDC-Data	DDCDATA	34		
LCD-Power ¹⁾	+3.3V / +5V	35	1	VCC
LCD-Power ¹⁾	+3.3V / +5V	36	2	VCC
LCD-Power ¹⁾	+3.3V / +5V	37		
Ground	GND	38		
Ground	GND	39		
LCD_PowerOn	LCD_On	40		

1) selectable via Jumper

Kabellänge: 500mm

FSC D2703-S; JST PHR-8			Green C&C GH001HB	
Inverter-Connector			53261-1090 (MOLEX)	
SIGNAL	SYMBOL	PIN	Pin No.	Symbol
Ground	GND	1	3	GND
Ground	GND	2	7	GND
Backlight Brightness CTRL	tbd	3	1	BRT_Adj
Power 5V	VCC	4		
Power 5V	VCC	5		
Backlight On/Off Control	BL On/Off	6	5	BL On/Off
Power 12V	+12V	7	9	DC-In / 12V
Power 12V	+12V	8	10	DC-In / 12V

LVDS TFT / Inverter Steckerbelegung
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LVDS-Belegung lt. Datenblatt

This LCD employs two interface connections, a 20 pin connector is used for the module electronics interface and the other connector is used for the integral backlight system.
The electronics interface connector is a model GT100-20P-LS-SMT manufactured by LS Cable.

Table 3. MODULE CONNECTOR PIN CONFIGURATION (CN1)

Pin	Symbol	Description	Notes
1	VCC	Power Supply, 3.3V Typ.	
2	VCC	Power Supply, 3.3V Typ.	
3	GND	Ground	1. Interface chips
4	GND	Ground	1.1 LCD : SW, SW0602_U(LCD Controller) including LVDS Receiver
5	A1M	Negative LVDS differential data input	1.2 System : THC63LVDM63A or Equivalent
6	A1P	Positive LVDS differential data input	* Pin to Pin compatible with TI LVDS
7	GND	Ground	
8	A2M	Negative LVDS differential data input	
9	A2P	Positive LVDS differential data input	2. Connector
10	GND	Ground	2.1 LCD : GT100-20P-LS-SMT, LS Cable or Equivalent
11	A3M	Negative LVDS differential data input	2.2 Mating
12	A3P	Positive LVDS differential data input	Discrete Wire type:DF196-20S-1C(HIROSE)
13	GND	Ground	EPC type :DF196-20S-1F(HIROSE)
14	CLKM	Negative LVDS differential clock input	
15	CLKP	Positive LVDS differential clock input	
16	GND	Ground	
17	NC	NC	
18	NC	NC	
19	NC	NC	
20	NC	NC	

Parameter	Symbol	Values			Unit	Notes
		Min	Typ	Max		
MODULE :						
Power Supply Input Voltage	VCC	3.0	3.3	3.6	Vdc	
Power Supply Input Current	I _{cc}	-	210	260	mA	1
Power Consumption	P _c	-	0.7	1.0	Watt	1

Inverter-Belegung lt. Datenblatt

4.1 CN1 CONNECTOR :53261-1090 (MOLEX)

PIN NO	SYMBOL	REMARK
1	BRT_ADJ	0 ~ 5V
3,4,7,8	GND	GND
5	BL ON/OFF	CCFL Drive SIGNAL(Active HIGHT)
2,6	N.C	
9,10	DC-IN(Vin)	DC INPUT Power (12V)