



Kabellänge: 500mm

FSC D2703-S; Hirose DF13-40, straight, SMT			Sharp LQ150	
LVDS-Connector			DF14H-20P-1.25H (Hirose)	
SIGNAL	SYMBOL	PIN	Pin No.	Symbol
Ground	GND	1	3	GND
Ground	GND	2	4	GND
LVDS_Out3+ (ODD_3+)	LO3+	3	18	Rx3+
LVDS_Out7+ (EVEN_3+)	LO7+	4		
LVDS_Out3- (ODD_3-)	LO3-	5	17	Rx3-
LVDS_Out7- (EVEN_3-)	LO7-	6		
Ground	GND	7	7	GND
Ground	GND	8		
LVDS_Out2+ (ODD_2+)	LO2+	9	12	Rx2+
LVDS_Out6+ (EVEN_2+)	LO6+	10		
LVDS_Out2- (ODD_2-)	LO2-	11	11	Rx2-
LVDS_Out6- (EVEN_2-)	LO6-	12		
Ground	GND	13		
Ground	GND	14	10	GND
LVDS_Out1+ (ODD_1+)	LO1+	15	9	Rx1+
LVDS_Out5+ (EVEN_1+)	LO5+	16		
LVDS_Out1- (ODD_1-)	LO1-	17	8	Rx1-
LVDS_Out5- (EVEN_1-)	LO5-	18		
Ground	GND	19		
Ground	GND	20	13	GND
LVDS_Out0+ (ODD_0+)	LO0+	21	6	Rx0+
LVDS_Out4+ (EVEN_0+)	LO4+	22		
LVDS_Out0- (ODD_0-)	LO0-	23	5	Rx0-
LVDS_Out4- (EVEN_0-)	LO4-	24		
Ground	GND	25		
Ground	GND	26	16	GND
LVDS_CLK1+ (CLK_ODD+)	CLK1+	27	15	CK+
LVDS_CLK2+ (CLK_EVEN+)	CLK2+	28		
LVDS_CLK1- (CLK_ODD-)	CLK1-	29	14	CK-
LVDS_CLK2- (CLK_EVEN-)	CLK2-	30		
Ground	GND	31	19	GND
Ground	GND	32	20	GND
DDC-Clock	DDCCLK	33		
DDC-Data	DDCDATA	34		
LCD-Power <sup>1)</sup>	+3.3V / +5V	35	1	Vcc
LCD-Power <sup>1)</sup>	+3.3V / +5V	36	2	Vcc
LCD-Power <sup>1)</sup>	+3.3V / +5V	37		
Ground	GND	38		
Ground	GND	39		
LCD_PowerOn	LCD_On	40		

1) selectable via Jumper

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FSC D2703-S; JST PHR-8			TDK CXA-0349	
Inverter-Connector			JST PHR-7	
Ground	GND	1	3	GND
Ground	GND	2	4	GND
Backlight Brightness CTRL	tbd	3	5	BRT_Adj
Power 5V	VCC	4		
Power 5V	VCC	5		
Backlight On/Off Control	BL On/Off	6	7	BL On/Off
Power 12V	+12V	7	1	DC-In / 12V
Power 12V	+12V	8	2	DC-In / 12V

LVDS TFT / Inverter Steckerbelegung  
Ausgabe 1.0 21.06.2007

**LVDS-Belegung lt. Datenblatt**

CN1 (Interface signals and +3.3V DC power supply)  
 Using connectors : DF14H-20P-1.25H (Hirose Electric Co., Ltd.)  
 Corresponding connectors : DF14-20S-1.25C(Connector)  
 DF14-2628SCFA(Terminal)  
 Using LVDS Receiver : Contained in a control IC. [THC63LVDF84A(Thine) compatible]  
 Corresponding LVDS Transmitter : THC63LVDM83R(Thine) or compatible

Pin No.	Symbol	Function	Remark
1	Vcc	+3.3V Power supply	
2	Vcc	+3.3V Power supply	
3	GND	Ground	
4	GND	Ground	
5	Rx0-	LVDS CH0 data signal (-)	LVDS
6	Rx0+	LVDS CH0 data signal (+)	LVDS
7	GND	Ground	
8	Rx1-	LVDS CH1 data signal (-)	LVDS
9	Rx1+	LVDS CH1 data signal (+)	LVDS
10	GND	Ground	
11	Rx2-	LVDS CH2 data signal (-)	LVDS
12	Rx2+	LVDS CH2 data signal (+)	LVDS
13	GND	Ground	
14	CK-	LVDS CK- data signal (-)	LVDS
15	CK+	LVDS CK+ data signal (+)	LVDS
16	GND	Ground	
17	Rx3-	LVDS CH3 data signal (-)	LVDS
18	Rx3+	LVDS CH3 data signal (+)	LVDS
19	GND	Ground	
20	GND	Ground	

**Inverter-Belegung lt. Datenblatt**

No.	Part Description	Material	QU	REMARK	MATES WITH
(i)	PCB	Composite (CEM-3)	1	UL94V-0 t=1.0	-
(ii)	Input Connector CN01	S7B-PH-SM3	1	JST	PHR-7

**CN01 (INPUT)**

Pin No.	Symbol	Rating	Notes
CN01-1 CN01-2	Vin	10.8~13.2V	Input Voltage
CN01-3 CN01-4	GND	0V	GND
CN01-5	Vbr/Rbr	0~2.5V /0~50kΩ	Control
CN01-6	Vst (Output)	0V/5V	The warning output (5V in abnormal circumstances)
CN01-7	Vmt	0~0.4V/ 2.5V~Vin	0~0.4V:OFF 2.5V~Vin:ON