



Kabellänge: 500mm

FSC D2703-S; Hirose DF13-40, straight, SMT			AUO- G0121SN01; JAE FI-S20S or compatible		
LVDS-Connector			LVDS-Connector		
SIGNAL	SYMBOL	PIN	Pin No.	Symbol	
Ground	GND	1			
Ground	GND	2			
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		GND	
Ground	GND	8	3	GND	
LVDS_Out2+ (ODD_2+)	LO2+	9	4	GND	
LVDS_Out6+ (EVEN_2+)	LO6+	10	12	RxIN2+	
LVDS_Out2- (ODD_2-)	LO2-	11			
LVDS_Out6- (EVEN_2-)	LO6-	12	11	RxIN2-	
Ground	GND	13			
Ground	GND	14	7	GND	
LVDS_Out1+ (ODD_1+)	LO1+	15	9	RxIN1+	
LVDS_Out5+ (EVEN_1+)	LO5+	16			
LVDS_Out1- (ODD_1-)	LO1-	17	8	RxIN1-	
LVDS_Out5- (EVEN_1-)	LO5-	18			
Ground	GND	19			
Ground	GND	20	10	GND	
LVDS_Out0+ (ODD_0+)	LO0+	21	6	RxIN0+	
LVDS_Out4+ (EVEN_0+)	LO4+	22			
LVDS_Out0- (ODD_0-)	LO0-	23	5	RxIN0-	
LVDS_Out4- (EVEN_0-)	LO4-	24			
Ground	GND	25			
Ground	GND	26	13	GND	
LVDS_CLK1+ (CLK_ODD+)	CLK1+	27	15	CKIN+	
LVDS_CLK2+ (CLK_EVEN+)	CLK2+	28			
LVDS_CLK1- (CLK_ODD-)	CLK1-	29	14	CKIN-	
LVDS_CLK2- (CLK_EVEN-)	CLK2-	30			
Ground	GND	31	16	GND	
Ground	GND	32			
DDC-Clock	DDCCLK	33			
DDC-Data	DDCDATA	34			
LCD-Power ¹⁾	+3.3V / +5V	35	1	VDD	
LCD-Power ¹⁾	+3.3V / +5V	36	2	VDD	
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 GH093A		
Inverter-Connector			20037WR-06A00(P) (YEONHO) / EQUIVALENT		
	SYMBOL	PIN		SYMBOL	
Ground	GND	1		GND	
Ground	GND	2		GND	
Backlight Brightness CTRL	tbd	3		BRT_Adj	
Power 5V	VCC	4			
Power 5V	VCC	5			
Backlight On/Off Control	BL On/Off	6		BL On/Off	
Power 12V	+12V	7		DC-In / 12V	
Power 12V	+12V	8		DC-In / 12V	

LVDS TFT / Inverter Steckerbelegung
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LVDS-Belegung lt. Datenblatt

5.2 Signal Pin

Pin No.	Signal Name	Pin No.	Signal Name
1	VDD	2	VDD
3	GND	4	GND
5	RxIN0-	6	RxIN0+
7	GND	8	RxIN1-
9	RxIN1+	10	GND
11	RxIN2-	12	RxIN2+
13	GND	14	CKIN-
15	CKIN+	16	GND
17	NC/GND	18	NC/GND
19 (Note1)	NC/GND	20	NC/GND

Note1 : Refer 6.1 section for scanning direction.



Fig. 1 Normal scan (Pin19= GND/NC)



Fig. 2 Reverse scan (Pin19= High)

Input power specifications are as follows :

Symbol	Parameter	Min	Typ	Max	Units	Condition
Module						
VDD	Logic/LCD Drive Voltage	3.0	3.3	3.6	V	Load Capacitance 20uF
PDD	VDD Power	-	1.4	-	W	All Black Pattern
PDD Max	VDD Power max	-	1.56	-	W	Max Pattern Note
IDD	IDD Current	-	424	-	mArms	64 Grayscale Pattern Note 1
IDD Max	IDD Current max	-	473	-	mArms	Vertical stripe line Pattern Note 2
V _{RP}	Power Ripple Voltage	-	100	-	mVp-p	
I _{RUSH}	Inrush Current	-	1500	-	mApeak	

Inverter-Belegung lt. Datenblatt

4.1 CN1 CONNECTOR :20037WR-06A00(P) (YEONHO) / EQUIVALENT

PIN NO	SYMBOL	REMARK
1,2	DC-IN(Vin)	DC INPUT Power (12V)
3,4	GND	GND
5	BL ON/OFF	CCFL Drive SIGNAL(Active HIGH)
6	BRT_ADJ	0 ~ 5V