



Kabellänge: 500mm

FSC D2703-S; Hirose DF13-40, straight, SMT			AUO-M170EG01-VD & AUO-M190EG01 V0	
LVDS-Connector			JAE FI-XB30SSL-HF15 or compatible	
SIGNAL	SYMBOL	PIN	Pin No.	Symbol
Ground	GND	1		
Ground	GND	2	7	GND
LVDS_Out3+ (ODD_3+)	LO3+	3	11	RxOIN3+
LVDS_Out7+ (EVEN_3+)	LO7+	4	23	RxEIN3+
LVDS_Out3- (ODD_3-)	LO3-	5	10	RxOIN3-
LVDS_Out7- (EVEN_3-)	LO7-	6	22	RxEIN3-
Ground	GND	7		
Ground	GND	8	14	GND
LVDS_Out2+ (ODD_2+)	LO2+	9	6	RxOIN2+
LVDS_Out6+ (EVEN_2+)	LO6+	10	19	RxEIN2+
LVDS_Out2- (ODD_2-)	LO2-	11	5	RxOIN2-
LVDS_Out6- (EVEN_2-)	LO6-	12	18	RxEIN2-
Ground	GND	13		
Ground	GND	14	17	GND
LVDS_Out1+ (ODD_1+)	LO1+	15	4	RxOIN1+
LVDS_Out5+ (EVEN_1+)	LO5+	16	16	RxEIN1+
LVDS_Out1- (ODD_1-)	LO1-	17	3	RxOIN1-
LVDS_Out5- (EVEN_1-)	LO5-	18	15	RxEIN1-
Ground	GND	19		
Ground	GND	20	24	GND
LVDS_Out0+ (ODD_0+)	LO0+	21	2	RxOIN0+
LVDS_Out4+ (EVEN_0+)	LO4+	22	13	RxEIN0+
LVDS_Out0- (ODD_0-)	LO0-	23	1	RxOIN0-
LVDS_Out4- (EVEN_0-)	LO4-	24	12	RxEIN0-
Ground	GND	25		
Ground	GND	26		
LVDS_CLK1+ (CLK_ODD+)	CLK1+	27	9	RxOCLKIN+
LVDS_CLK2+ (CLK_EVEN+)	CLK2+	28	21	RxECLKIN+
LVDS_CLK1- (CLK_ODD-)	CLK1-	29	8	RxOCLKIN-
LVDS_CLK2- (CLK_EVEN-)	CLK2-	30	20	RxECLKIN-
Ground	GND	31		
Ground	GND	32		
DDC-Clock	DDCCLK	33		
DDC-Data	DDCDATA	34		
LCD-Power ¹⁾	+3.3V / +5V	35	28	VCC
LCD-Power ¹⁾	+3.3V / +5V	36	29	VCC
LCD-Power ¹⁾	+3.3V / +5V	37	30	VCC
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 GH053A	
Inverter-Connector			53261-1290 (Molex) or equivalent	
Ground	GND	1	7 (6)	GND
Ground	GND	2	5 (8)	GND
Backlight Brightness CTRL	tbid	3	11 (2)	BRT_Adj
Power 5V	VCC	4		
Power 5V	VCC	5		
Backlight On/Off Control	BL On/Off	6	9 (4)	BL On/Off
Power 12V	+12V	7	3 (10)	DC-In / 12V
Power 12V	+12V	8	1 (12)	DC-In / 12V

Pinning analog-Stecker-Spec CN1 (spiegelbildlich zu Inverter-Spec; Inverter-Pinning steht in Klammern)

LVDS TFT / Inverter Steckerbelegung
Ausgabe 1.1 30.08.2007

LVDS-Belegung lt. Datenblatt

Pin#	Signal Name	Pin#	Signal Name
1	RxOIN0-	2	RxOIN0+
3	RxOIN1-	4	RxOIN1+
5	RxOIN2-	6	RxOIN2+
7	GND	8	RxOCLKIN-
9	RxOCLKIN+	10	RxOIN3-
11	RxOIN3+	12	RxEIN0-
13	RxEIN0+	14	GND
15	RxEIN1-	16	RxEIN1+
17	GND	18	RxEIN2-
19	RxEIN2+	20	RxECLKIN-
21	RxECLKIN+	22	RxEIN3-
23	RxEIN3+	24	GND
25	NC	26	NC
27	NC	28	VCC
29	VCC	30	VCC

Input power specifications are as follows:

Symble	Parameter	Min.	Typ.	Max.	Unit	Condition
VDD	Logic/LCD Drive Voltage	4.5	5.0	5.5	[Volt]	±10%
IDD	Input Current	-	1.50	1.70	[A]	VDD= 5.0V, All Black Pattern At 75Hz
PDD	VDD Power	-	7.5	9.0	[Watt]	VDD= 5.0V, All Black Pattern At 75Hz, Note 1
IRush	Inrush Current	-	-	3	[A]	Note 2
VDDrp	Allowable Logic/LCD Drive Ripple Voltage	-	-	100	[mV] p-p	VDD= 5.0V, All Black Pattern At 75Hz

(AUO M190)

Inverter-Belegung lt. Datenblatt

CN1	CONNECTOR	12505WR-12A00	YEONHO
		53261-1290	MOLEX

4.1 CN1 CONNECTOR : 53261-1290 or Equivalent

PIN NO	SYMBOL	REMARK
2	BRT_ADJ	0 ~ 3.3V
1,3,5,6,8,9	GND	GND
4	BL ON/OFF	CCFL Drive SIGNAL(Active HIGH)
7	N.C	
10,11,12	DC-IN(Vin)	DC INPUT Power (12V)

Inverter-Belegung lt. GH053A-Spec.

Achtung: Stecker CN1 hat spiegelverkehtes Pinning!!!