Interface Connections

This LCD employs two interface connections, a 20 pin connector is used for the module electronics and the other connector is used for the integral backlight system.

The electronics interface connector is a model GT122-20P-H13R manufactured by LG Cable. The pin configuration for the connector is shown in the table below.

Table 2 MODULE CONNECTOR PIN CONFIGURATION (LVDS) [CN1]						
Pin	Symbol	Description	Notes			
1 2 3 4 5 6 7 8 9 10 11 12 13	Symbol Vcc GND GND A0M A0P GND A1M A1P GND A2M A2P GND	Description Power (3.3V) Power (3.3V) Ground Differential Signal Differential Signal Ground Differential Signal Differential Signal Ground Differential Signal Differential Signal Ground Differential Signal Differential Signal	Notes 1. Interface chips 1.1 LCD : SN75LVDS88B (TI) (SN75LVDS86 core + Timing Controller) 1.2 System : SN75LVDS86(TI) * Pin to Pin compatible with TI LVDS 2. Connector 2.1 LCD : GT122-20P-H13 R (LG Cable) 2.2 Mating : FI-WEB21P-HF(JAE) or compatible 2.3 Connector pin arrangement 1 20			
13 14 15 16 17 18	CLKM CLKP GND NC NC	Differential Signal Differential Signal Ground No Connection No Connection	CN1			
19 20	GND GND	Ground	Left CN2 Viewing on Display side			

Table 2 MODULE CONNECTOR PIN CONFIGURATION (LVDS) [CN1]

The backlight interface connector is a model BHSR-02VS-1, manufactured by JST. The mating connector part number is SM02B-BHSS-1 or equivalent. The pin configuration for the connector is shown in the table below.

Pin	Symbol	Description	Notes
1	HV	Power supply for lamp	1
		(High voltage side)	
2	LV	Power supply for lamp	1
		(Low voltage side)	

Table 3 BACKLIGHT CONNECTOR PIN CONFIGURATION

Notes: 1. The high voltage side terminal is colored pink. The low voltage side terminal is white.