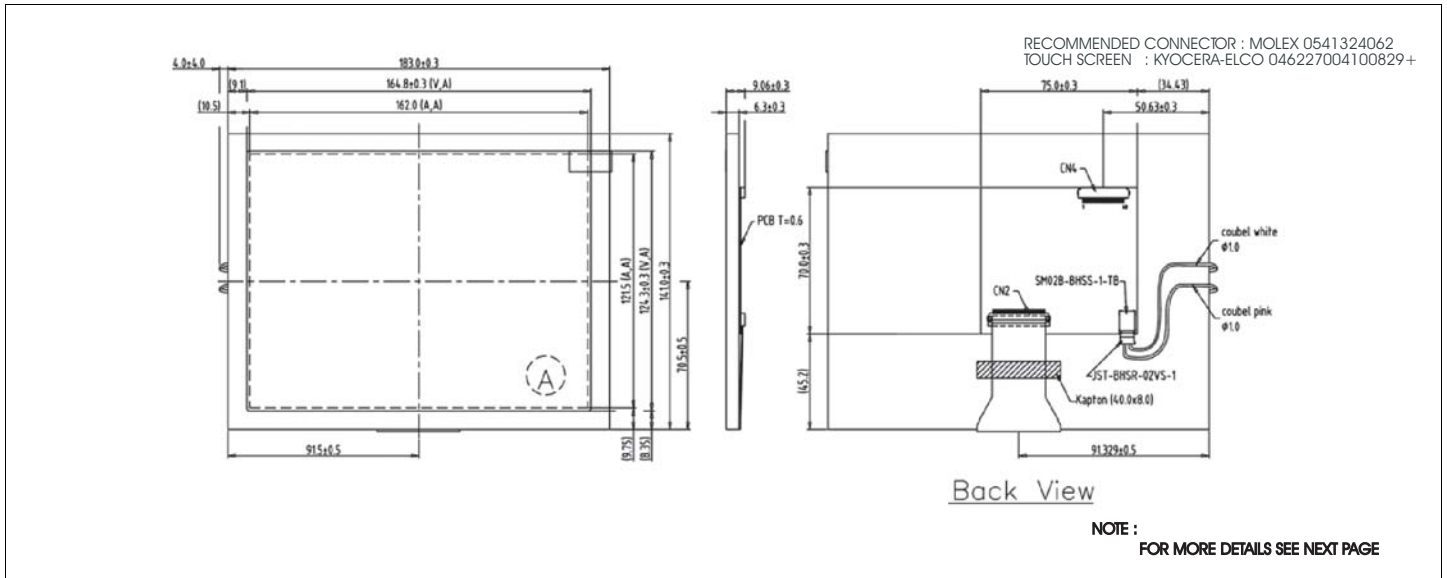


HDA800S-A

Dimensional Drawing

8", SVGA (800 X600) , TFT Color Graphics ,White LED Backlight



Features

- Viewing Angle(H/V).....140/120 degrees
- High Contrast.....500:1
- Fast Response Time(R/F).....10/15 msec
- Built-in Controller.....none
- Touch Screenoptional

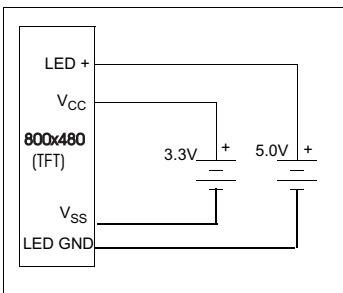
Physical Data

- Module Size.....183.0 W x141.0 H x10.1T mm
- Viewing Area Size.....164.8W x 124.3 H mm
- Dot Pitch.....0.1845 W x 0.2025 H mm
- Weight.....264 g

Electrical Characteristics (VCC=3.3±0.125V 25°C)

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
OPERATING VOLTAGE	V _{CC}	-	3.0	3.3	3.6	V
OPERATING VOLTAGE W. LED	V	-	-	5.0	-	V
INPUT HIGH VOLTAGE	V _{IH}	-	0.8*V _{CC}	-	V _{CC}	V
INPUT LOW VOLTAGE	V _{IL}	-	0	-	0.2*V _{CC}	V
OPERATING CURRENT	I _{CC}	V _{CC} = 3.3V	-	123	-	mA
OPERATING CURRENT W. LED	I _{LED}	-	-	410	-	mA
POWER CONSUMPTION	P	-	-	2.456	-	W
BRIGHTNESS	L	-	200	250	-	cd/m ²

Power Supply



Pin Connections

PIN NO.	SYMBOL	FUNCTION	
1-2	VLED	-	LED Voltage (+5V)
3	ADJ	-	Backlight Brightness Adjustment
4-5	GLED	-	LED (GND)
6-7	Vcc	-	Power Supply
8	MODE	L/H	DE or SYNC Modde Control
9	DE	H/L	Data Enable
10	VSYNC	L	Vertical Sync
11	HSYNC	L	Horizontal Sync
9	Vss	-	Power Ground
12	GND	-	Power GND
13-15	B5-B3	H/L	Blue Data 5-3
16	GND	-	Power GND
17-19	B2-B0	H/L	Blue Data 2-0
20	GND	-	Power GND
21-23	G5-G3	H/L	Green Data 5-3
24	GND	-	Power GND
25-27	G2-G0	H/L	Green Data 2-0
28	GND	-	Power GND
29-31	R5-R3	H/L	Red Data 5-3
32	GND	-	Power GND
33-35	R2-R0	H/L	Red Data 2-0
36	GND	-	Power GND
37	DCLK	H/L	Data Clock
38	GND	-	Power GND
39	L/R	L/H	Horizontal Scan Direction (Left/ Right)
40	U/D	L/H	Vertical Scan Direction (Left/ Right)

Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V _{CC}	-0.3	4.6	V
INPUT VOLTAGE	V _{IN}	-0.3	V _{CC} + 0.3	V
OPERATING TEMPERATURE	T _{OP}	-20	+70	°C
STORAGE TEMPERATURE	T _{STG}	-30	+80	°C

