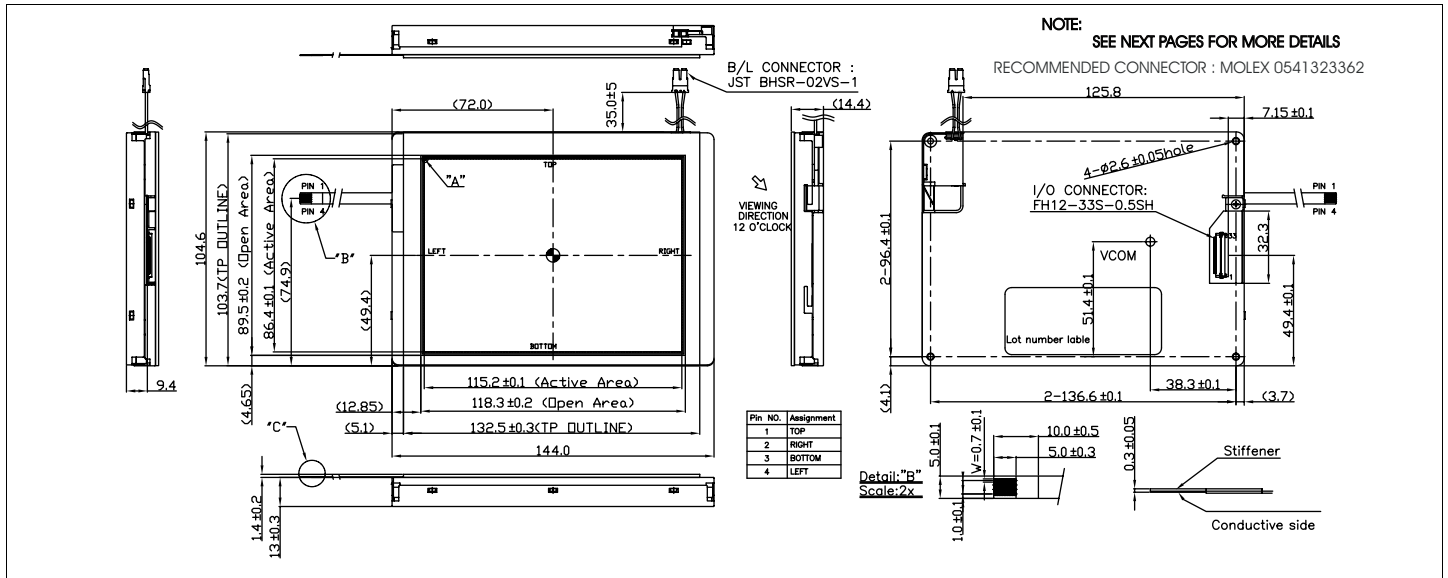


HDA570S-V

Dimensional Drawing

5.7" , QVGA (TFT) Color Graphics ,White LED Backlight



Features

Viewing Angle(U/D/R/L).....55/50/60/60 degrees
High Contrast.....450:1
Fast Response Time (Tr/Tf).....15/35 msec
Built-in Controller.....none
Touch screenoptional

Physical Data

Module Size.....144.0W x104.6H x13.0T mm
Viewing Area Size.....118.3W x89.5 H mm
Dot Pitch.....0.12W x 0.36H mm
Weight.....210g

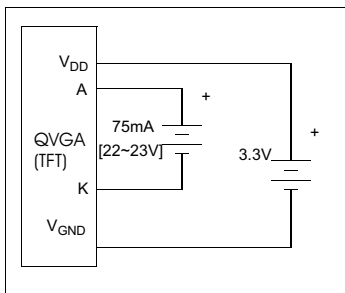
Electrical Characteristics (VDD=3.3±0.125V 25°C)

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
OPERATING VOLTAGE	V_{DD}	-	3.0	3.3	3.6	V
OPERATING VOLTAGE	V_{LED}	$I = 60 \text{ mA}$	-	22	-	V
INPUT HIGH VOLTAGE	V_{IH}		$0.7 \times V_{DD}$	-	V_{DD}	V
INPUT LOW VOLTAGE	V_{IL}		0	-	$0.3 \times V_{DD}$	V
OPERATING CURRENT	I_{DD}		-	60	-	mA
OPERATING CURRENT LED	I_{LED}		-	-	75	mA
POWER CONSUMPTION LED	P_D		-	0.24	-	W
BRIGHTNESS	L	Average	350	380	-	cd/m ²

Pin Connections

PIN NO.	SYMBOL	FUNCTION	
1	GND	-	Ground Pin
2	CK	H/L	Data Sampling Clock
3	HS	L	Horizontal Sync.
4	VS	L	Vertical Sync.
5	GND	-	Ground Pin
6	R0	H/L	Red Data Signal (LSB)
7	R1	H/L	Red Data Signal
8	R2	H/L	Red Data Signal
9	R3	H/L	Red Data Signal
10	R4	H/L	Red Data Signal
11	R5	H/L	Red Data Signal (MSB)
12	GND	-	Ground Pin
13	G0	H/L	Green Data Signal (LSB)
14	G1	H/L	Green Data Signal
15	G2	H/L	Green Data Signal
16	G3	H/L	Green Data Signal
17	G4	H/L	Green Data Signal
18	G5	H/L	Green Data Signal (MSB)
19	GND	-	Ground Pin
20	B0	H/L	Blue Data Signal (LSB)
21	B1	H/L	Blue Data Signal
22	B2	H/L	Blue Data Signal
23	B3	H/L	Blue Data Signal
24	B4	H/L	Blue Data Signal
25	B5	H/L	Blue Data Signal
26	GND	-	Ground Pin
27	DE	L	Data Enable Input
28	VDD	-	3.3V Power Supply
29	VDD	-	3.3V Power Supply
30	RL	H/L	Horizontal Display Mode
31	UD	H/L	Vertical Display Mode
32	NC	-	No Connection
33	GND	-	Ground Pin

Power Supply



Absolute Maximum Ratings

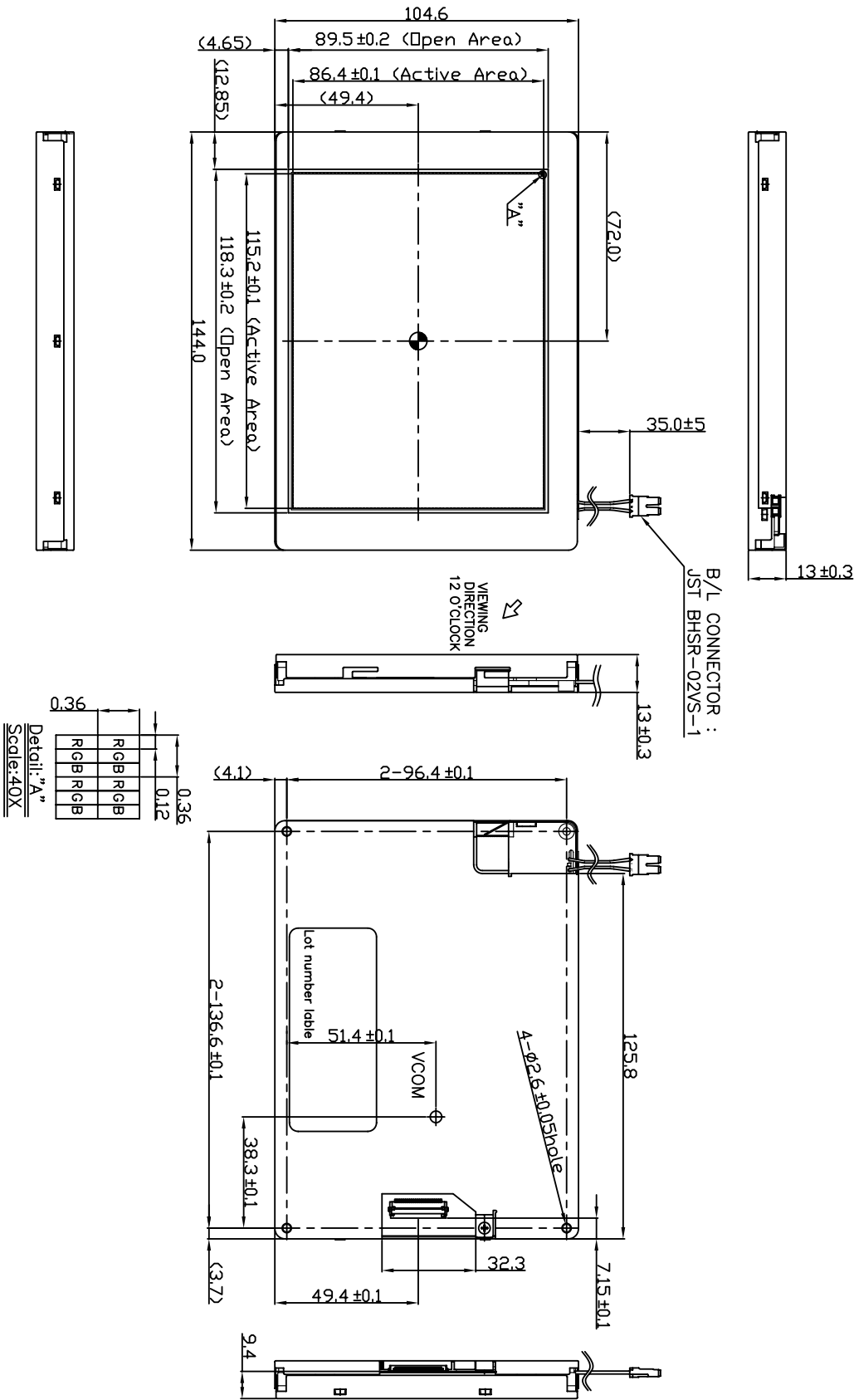
PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V_{DD}/V_{LED}	-0.3	4.3	V
BACKLIGHT CURRENT(White LED)	I_{LED}	-	75	mA
INPUT VOLTAGE	V_{IN}	-0.3	$V_{DD} + 0.3$	V
OPERATING TEMPERATURE	T_{OP}	-20	+70	°C
STORAGE TEMPERATURE	T_{STG}	-30	+80	°C

HANTRONIX

HDA570ST-V

Dimensional Drawing

5.7" , QVGA (TFT) Color Graphics ,White LED Backlight



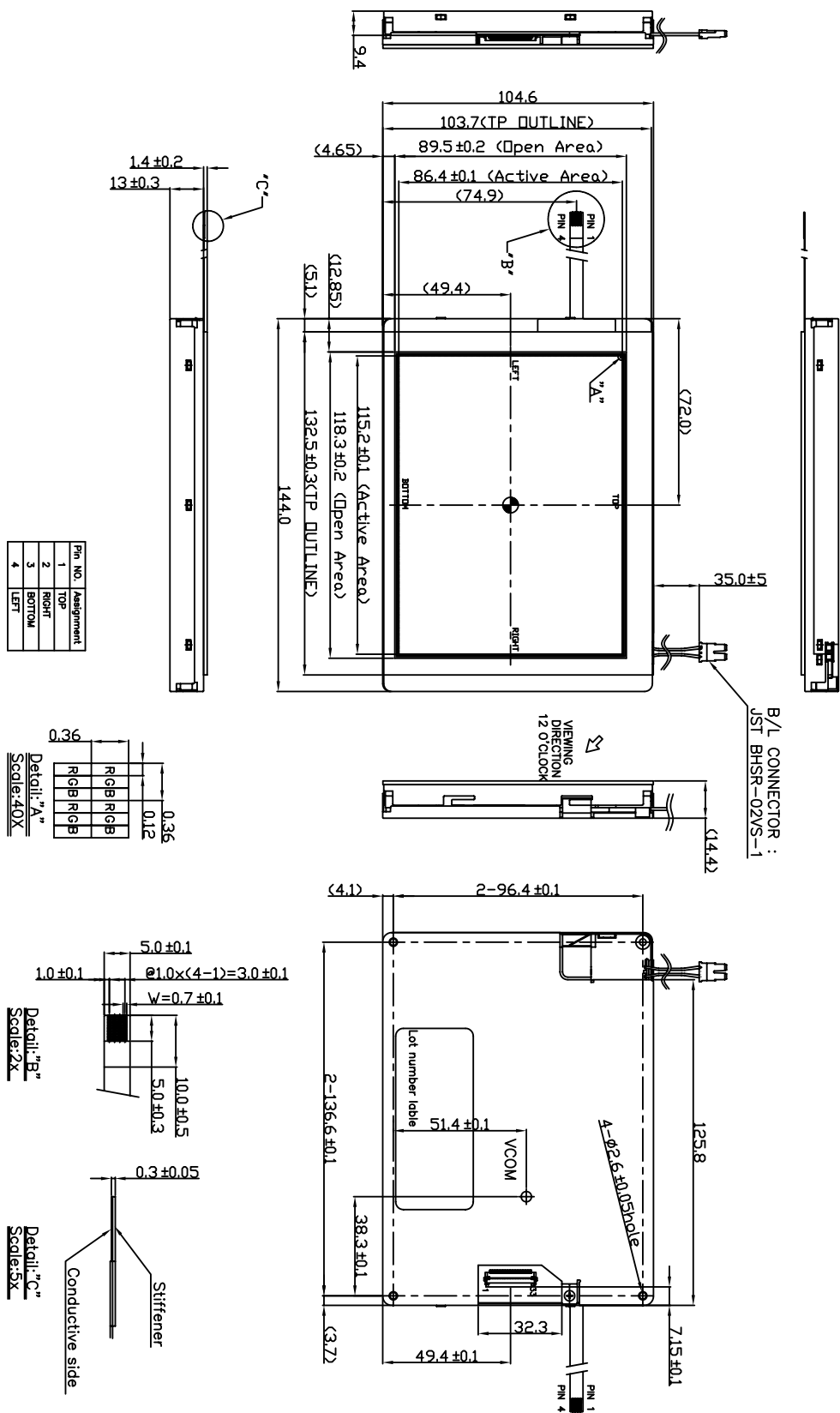
HDA570ST-V

Dimensional Drawing

5.7" , QVGA (TFT), With Touch Screen, White LED Backlight

With TOUCH SCREEN

TOUCH SCREEN connector : KYOCERA-ELCO 046227004100829+



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