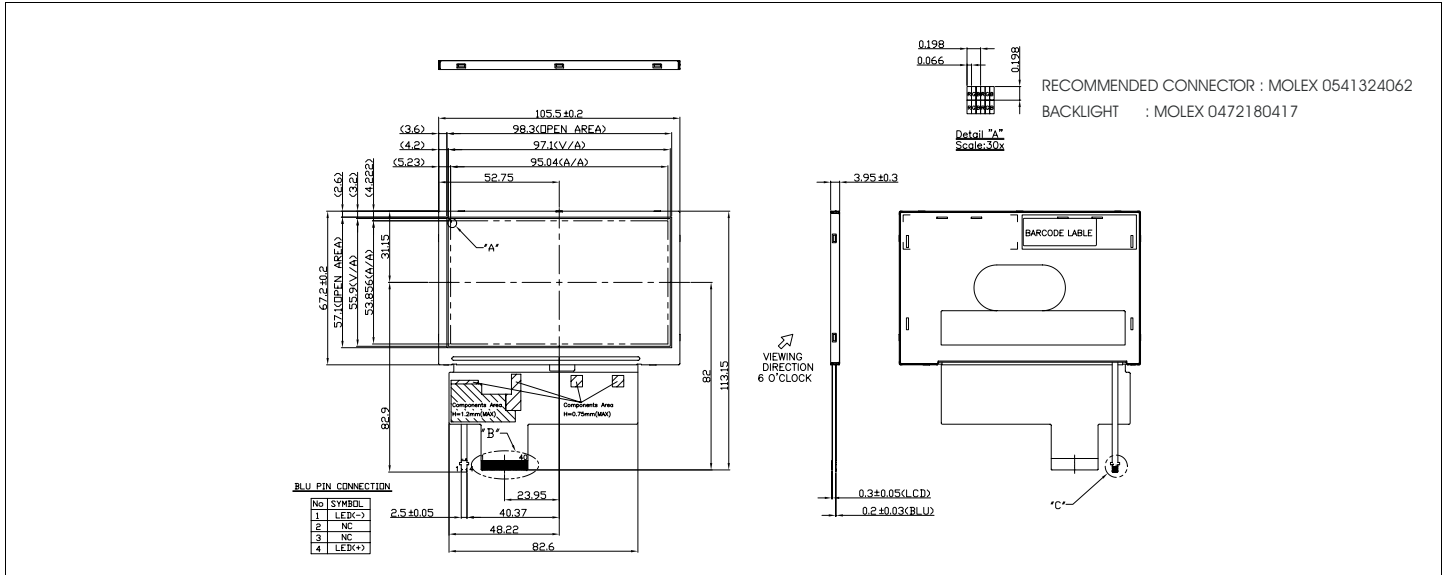


# HDA430-2

Dimensional Drawing

4.3", 480x272 , TFT, Transmissive Color, Landscape, White LED Backlight



## Features

- Viewing Angle(H/V).....130/110 degrees
- High Contrast.....450
- Fast Response Time.....50 msec
- Built-in DC-DC Converter
- Built-in Controller.....none
- Touch screen .....optional

## Physical Data

- Module Size.....105.5W x67.2H x 3.95T mm
- Viewing Area Size.....95.04W x 53.85H mm
- Dot Pitch.....0.198W x 0.198H mm
- Weight.....45.2g

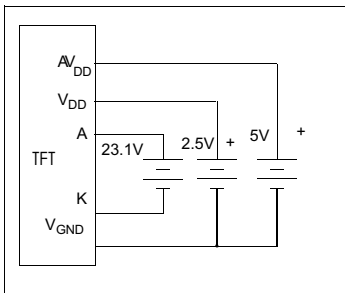
## Electrical Characteristics (VDD=2.5±0.125V 25°C)

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
OPERATING VOLTAGE	V <sub>DD</sub>	-	2.3	2.5	3.6	V
OPERATING VOLTAGE	V <sub>MDD</sub>	-	4.8	5.0	5.2	V
INPUT HIGH VOLTAGE	V <sub>HI</sub>	-	0.7V <sub>DD</sub>	-	V <sub>DD</sub>	V
INPUT LOW VOLTAGE	V <sub>LI</sub>	-	0	-	0.3V <sub>CC</sub>	V
OPERATING CURRENT	I <sub>DD</sub>	-	-	3.2	6	mA
OPERATING CURRENT	AI <sub>DD</sub>	-	-	17.4	27	mA
LED OPERATING VOLTAGE	V <sub>LED</sub>	-	-	23.1	-	V
OPERATING CURRENT	I <sub>FLED</sub>	-	-	20	-	mA
POWER CONSUMPTION	P <sub>D</sub>	-	-	622	-	mW
BRIGHTNESS	L	-	400	500	-	cd/m <sup>2</sup>

## Pin Connections

PIN NO.	SYMBOL	FUNCTION	
1-2	GND	I	Ground
3-4	VDD	I	+2.5V Power Supply
5	R0	H/L	Red Data Bit 0
6	R1	H/L	Red Data Bit 1
7	R2	H/L	Red Data Bit 2
8	R3	H/L	Red Data Bit 3
9	R4	H/L	Red Data Bit 4
10	R5	H/L	Red Data Bit 5
11	R6	H/L	Red Data Bit 6
12	R7	H/L	Red Data Bit 7
13	G0	H/L	Green Data Bit 0
14	G1	H/L	Green Data Bit 1
15	G2	H/L	Green Data Bit 2
16	G3	H/L	Green Data Bit 3
17	G4	H/L	Green Data Bit 4
18	G5	H/L	Green Data Bit 5
19	G6	H/L	Green Data Bit 6
20	G7	H/L	Green Data Bit 7
21	B0	H/L	Blue Data Bit 0
22	B1	H/L	Blue Data Bit 1
23	B2	H/L	Blue Data Bit 2
24	B3	H/L	Blue Data Bit 3
25	B4	H/L	Blue Data Bit 4
26	B5	H/L	Blue Data Bit 5
27	B6	H/L	Blue Data Bit 6
28	B7	H/L	Blue Data Bit 7
29	VSS	I	ground
30	PCLK	H/L	Data Clock
31	DISP	H/L	Display ON/OFF (H/L)
32	HSYNC	H	Horizontal Sync
33	VSYNC	H	Vertical Sync
34	NC	-	No Connection
35-36	AVDD	I	+5V Power Supply
37	NC	-	No Connection
38	NC	-	No Connection
39	NC	-	No Connection
40	NC	-	No Connection

## Power Supply



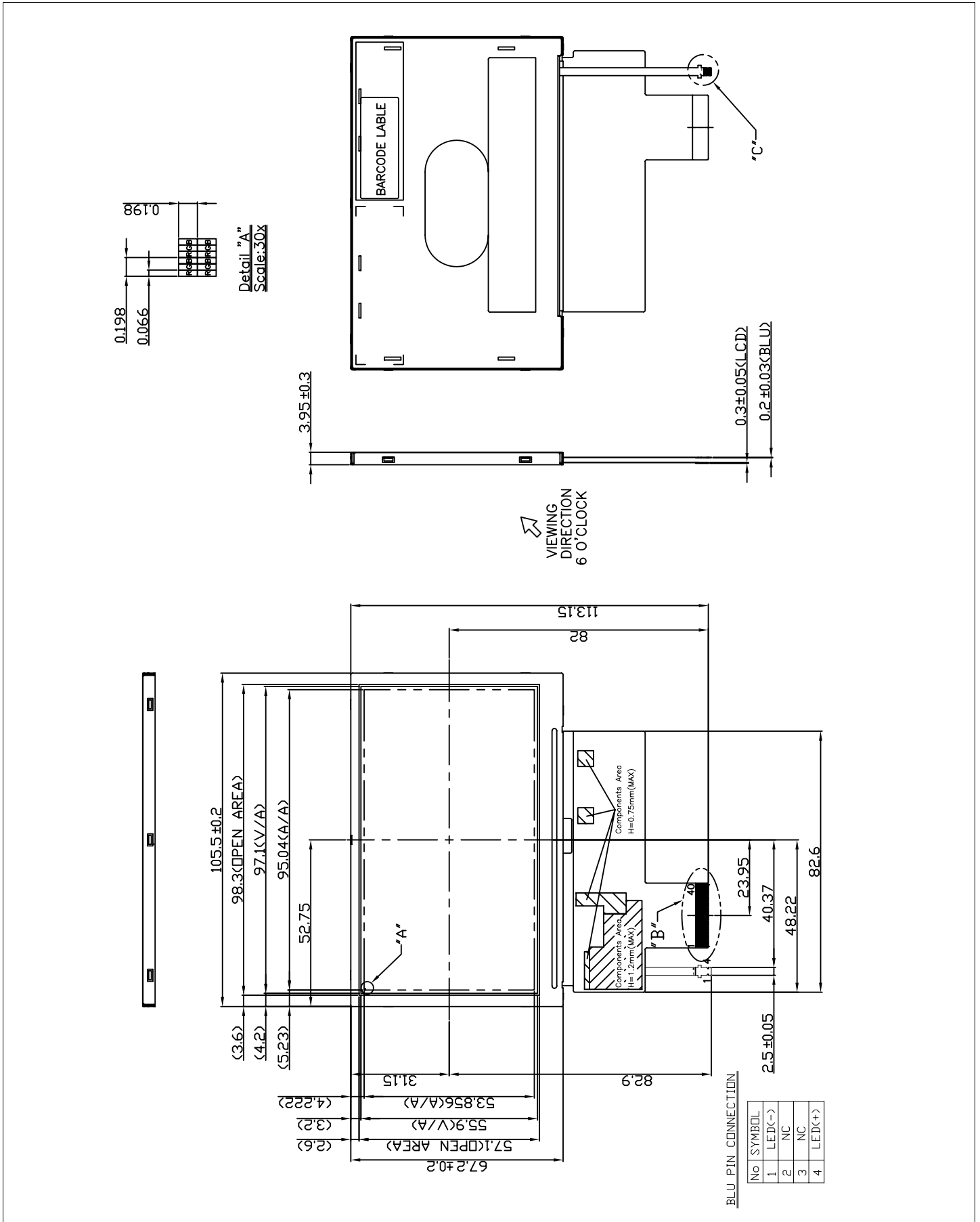
## Absolute Maximum Ratings

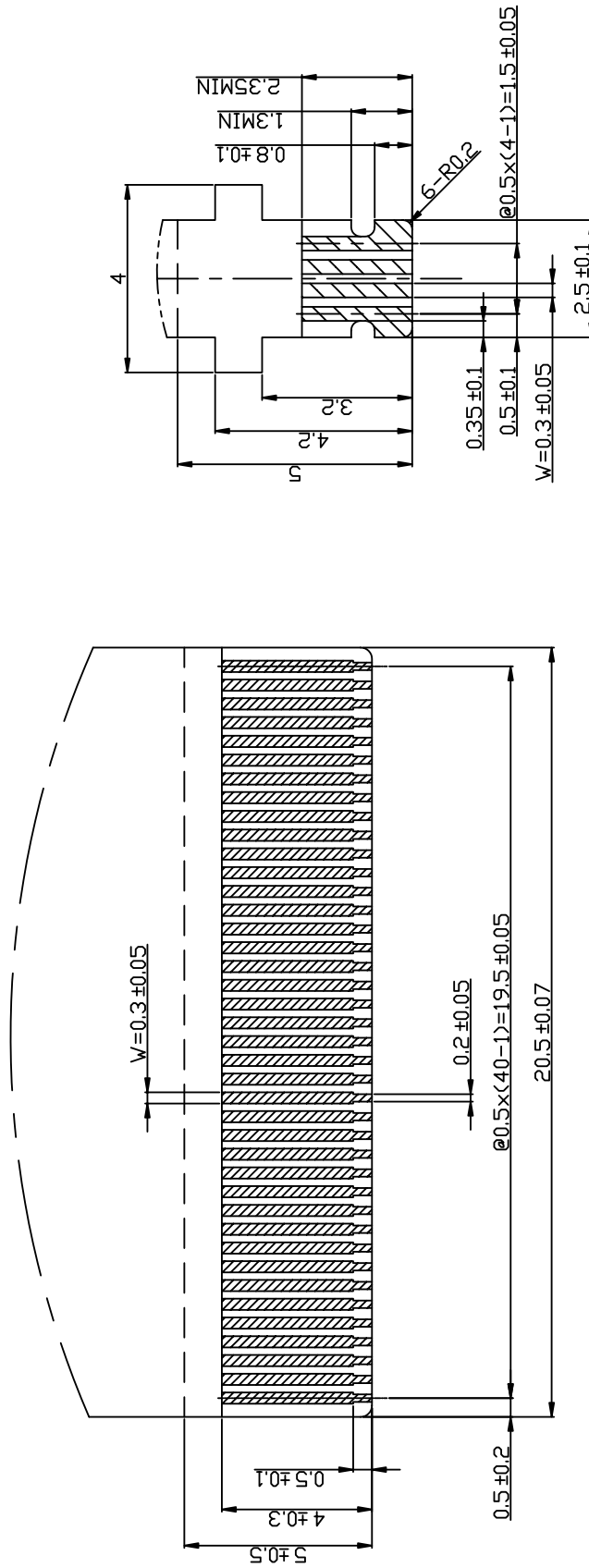
PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V <sub>DD</sub>	0	6.0	V
SUPPLY VOLTAGE	AV <sub>DD</sub>	0	6.0	V
BACKLIGHT CURRENT (LED)	I <sub>LED</sub>	-	30	mA
INPUT VOLTAGE	V <sub>IN</sub>	-0.3	V <sub>DD</sub> +0.3	V
OPERATING TEMPERATURE	T <sub>OP</sub>	-20	70	°C
STORAGE TEMPERATURE	T <sub>STG</sub>	-30	80	°C

# HDA430-2

Dimensional Drawing

4.3", 480x272, TFT, Transmissive Color, Landscape, White LED Backlight





Detail "C"  
Scale: 10x

Detail "B"  
Scale: 8x

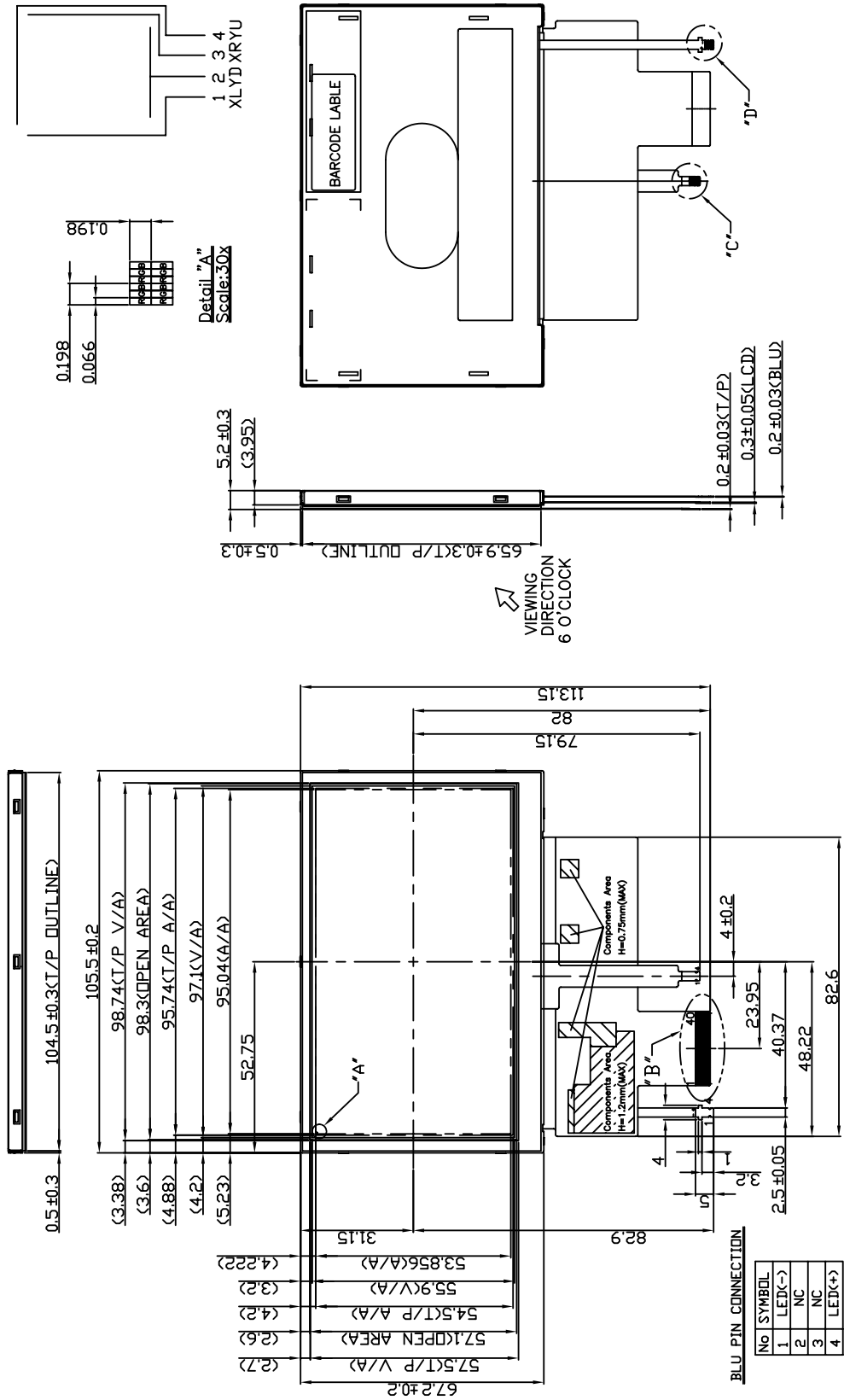
# HDA430T-2

Dimensional Drawing

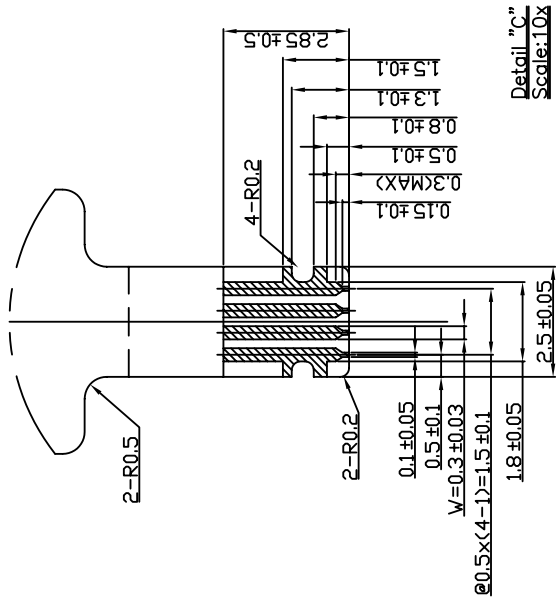
4.3", 480x272 ,TFT ,With Touch Screen , Landscape , White LED Backlight

With TOUCH SCREEN

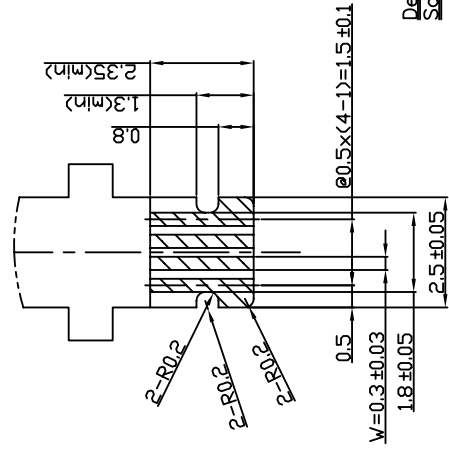
RECOMMENDED TOUCH SCREEN CONNECTOR : MOLEX 0472180417



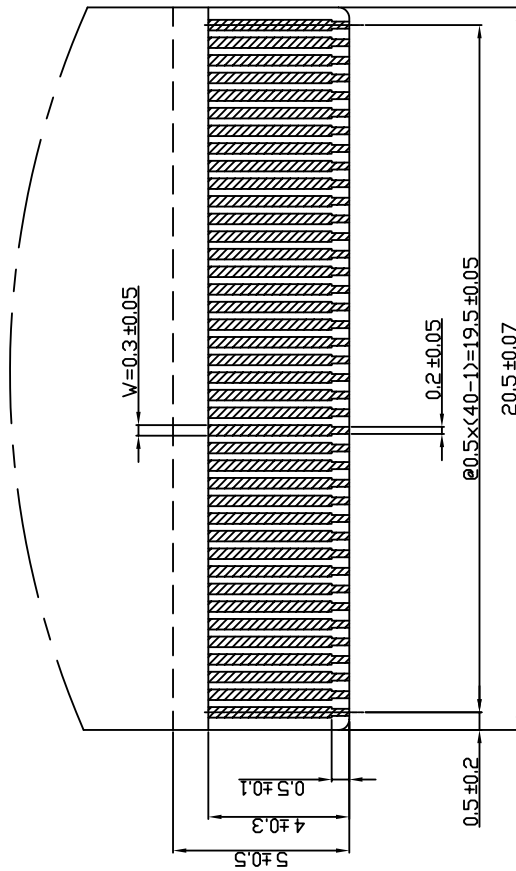
With TOUCH SCREEN



Detail "C"  
Scale: 10x



Detail "D"  
Scale: 10x



Detail "B"  
Scale: 8x