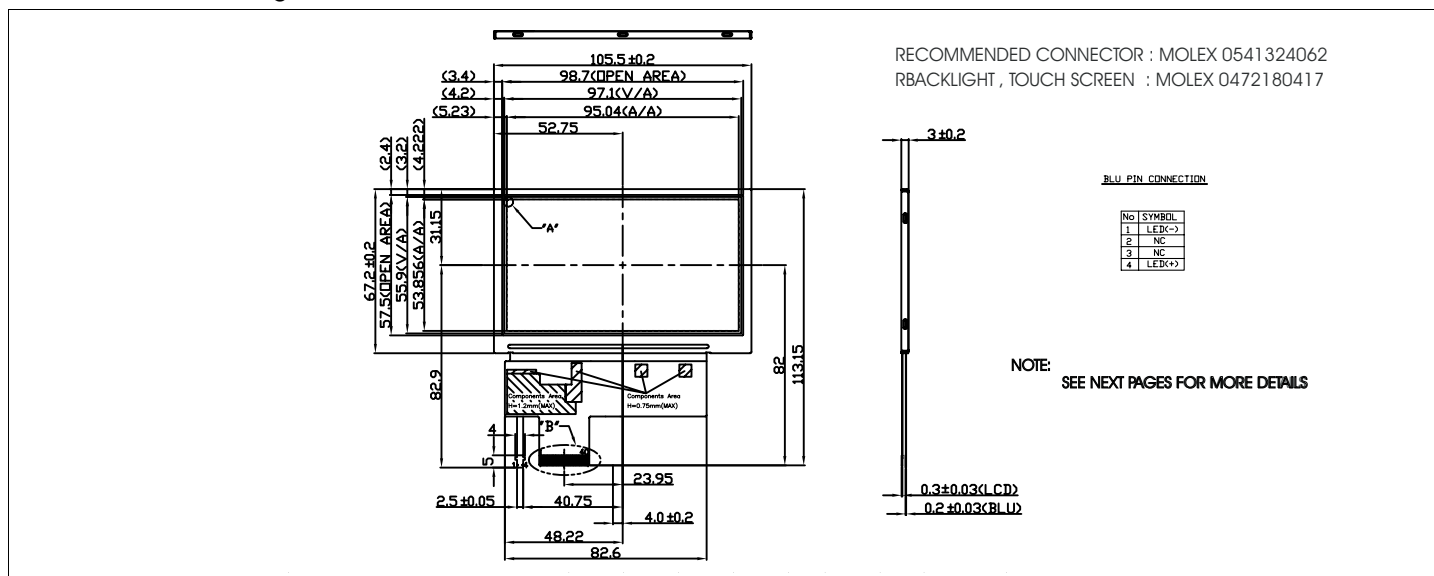


HDA430 / 430-H (High Brightness)

Dimensional Drawing

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



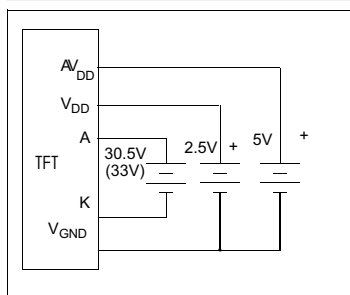
Features

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 screenoptional
High Brightness (HDA430-H).....650 cd/m

Physical Data

Module Size.....105.5W x 67.2H x 3.0T mm
Viewing Area Size.....95.04W x 53.85H mm
Dot Pitch.....0.198W x 0.198H mm
Weight.....53g

Power Supply



Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V_{DD}	0	6.0	V
SUPPLY VOLTAGE	AV_{DD}	0	6.0	V
BACKLIGHT CURRENT (LED)	I_{LED}	-	25	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

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

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
OPERATING VOLTAGE	V_{DD}	-	2.3	2.5	3.6	V
OPERATING VOLTAGE	AV_{DD}	-	4.8	5.0	5.2	V
INPUT HIGH VOLTAGE	V_{IH}	-	$0.7V_{DD}$	-	V_{DD}	V
INPUT LOW VOLTAGE	V_{IL}	-	0	-	$0.3V_{DD}$	V
OPERATING CURRENT	I_{DD}	-	-	3.2	6	mA
OPERATING CURRENT	AI_{DD}	-	-	17.4	27	mA
LED OPERATING VOLTAGE	V_{LED}	HDA430/430-H	-	30.5/33	-	V
OPERATING CURRENT	I_{FLED}	HDA430/430-H	-	18/20	-	mA
POWER CONSUMPTION	P_D	HDA430/430-H	-	645/755	-	mW
BRIGHTNESS	L	HDA430/430-H	320/500	370/650	-	cd/m ²

Pin Connections

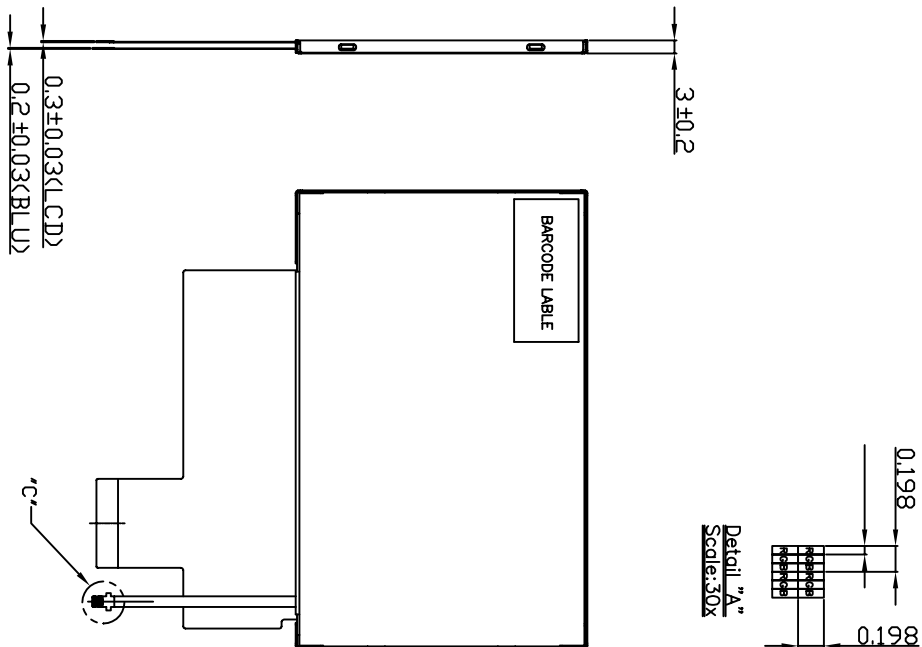
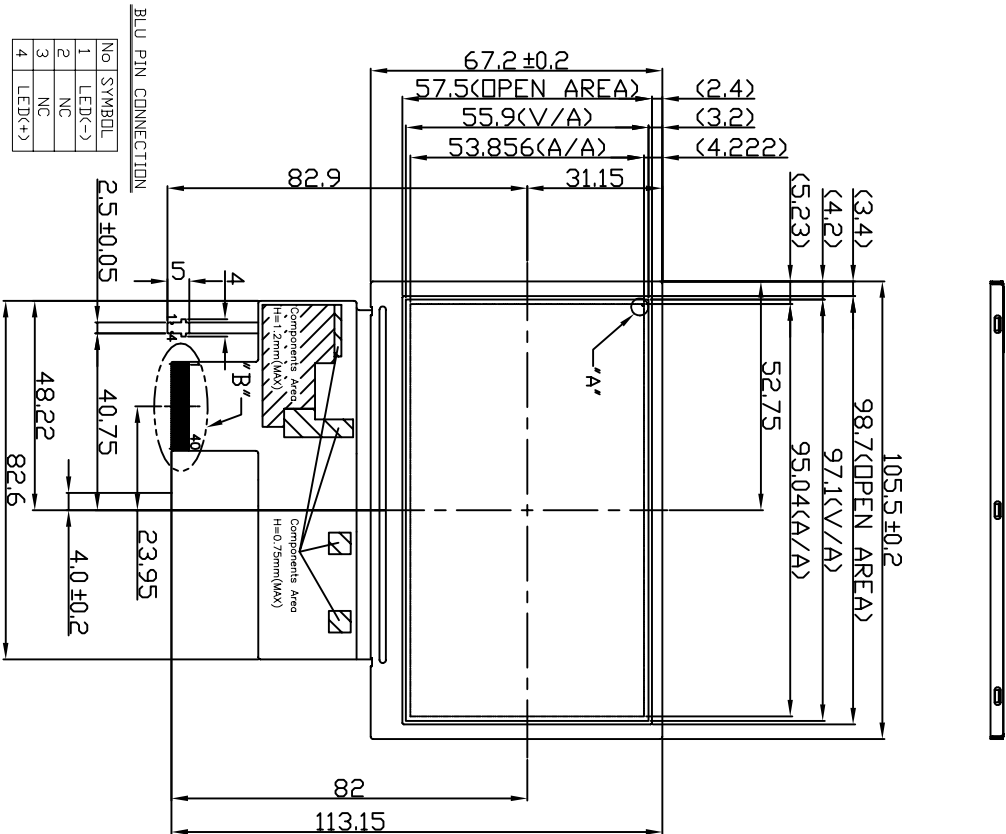
PIN NO.	SYMBOL	FUNCTION	
1-2	GND	I	Ground
3-4	VDD	I	+2.5V Power Supply
5	R0	H/L	Red Data Bit 0
6	R1	H/L	Red Data Bit 1
7	R2	H/L	Red Data Bit 2
8	R3	H/L	Red Data Bit 3
9	R4	H/L	Red Data Bit 4
10	R5	H/L	Red Data Bit 5
11	R6	H/L	Red Data Bit 6
12	R7	H/L	Red Data Bit 7
13	G0	H/L	Green Data Bit 0
14	G1	H/L	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	GND	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

HANTRONIX

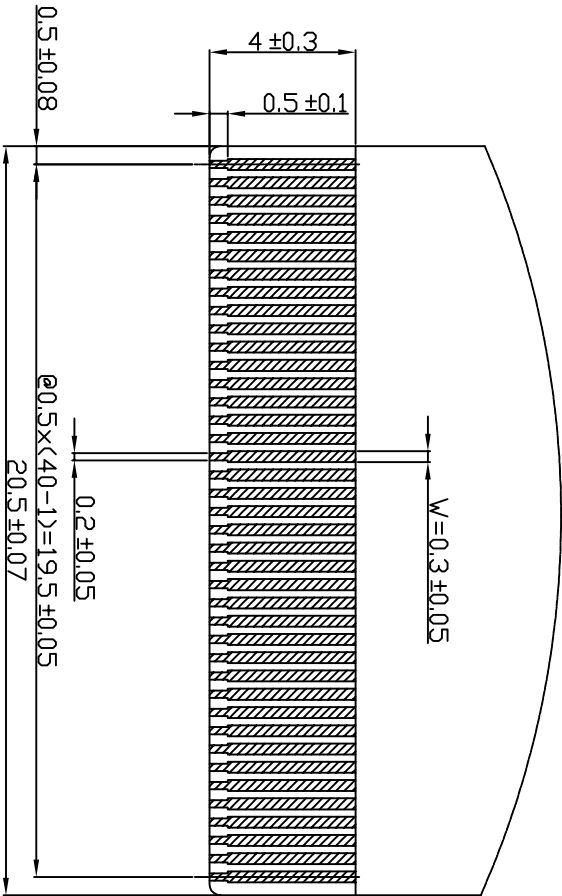
HDA430 / HDA430-H

Dimensional Drawing

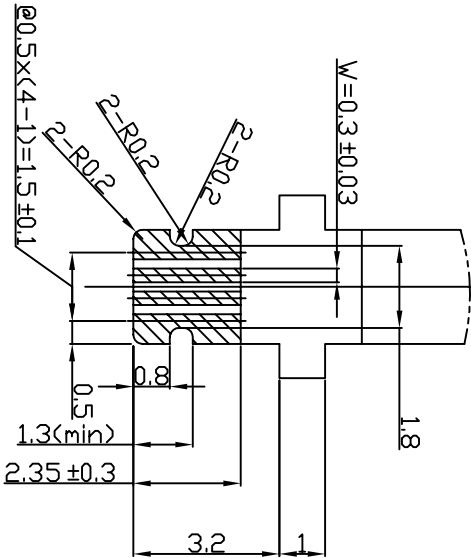
4.3",480x272 ,TFT ,Transmissive Color, Landscape , White LED Backlight



Detail "B"
Scale: 8x

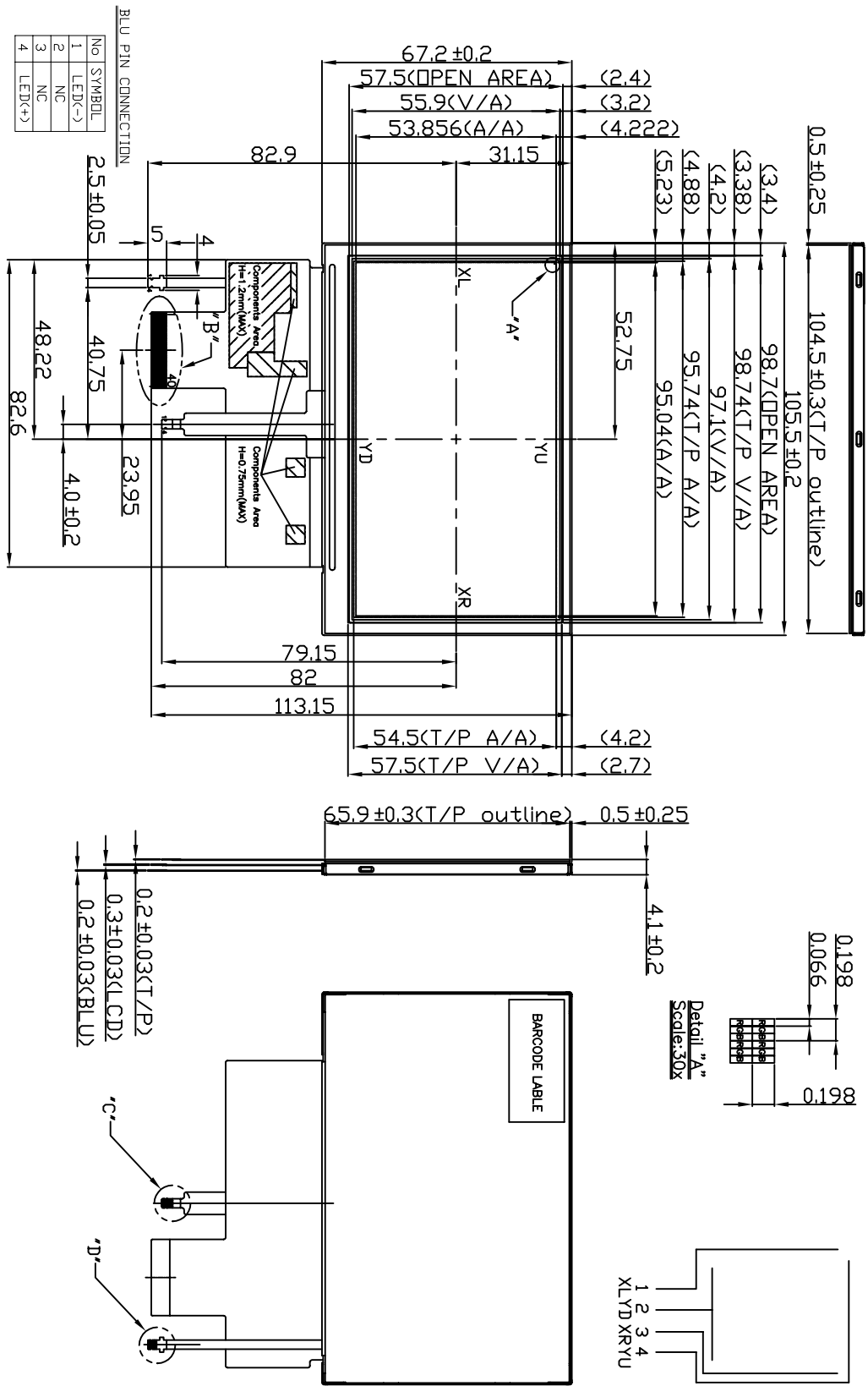


Detail "C"
Scale: 10x



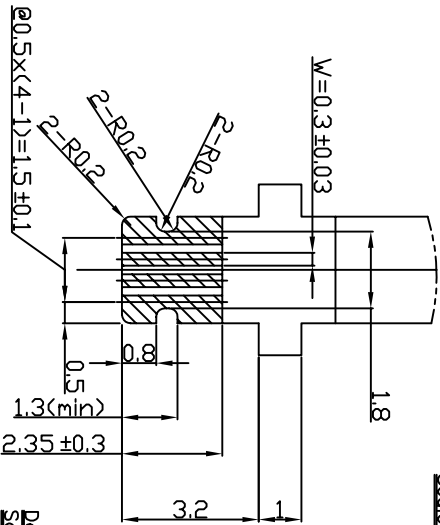
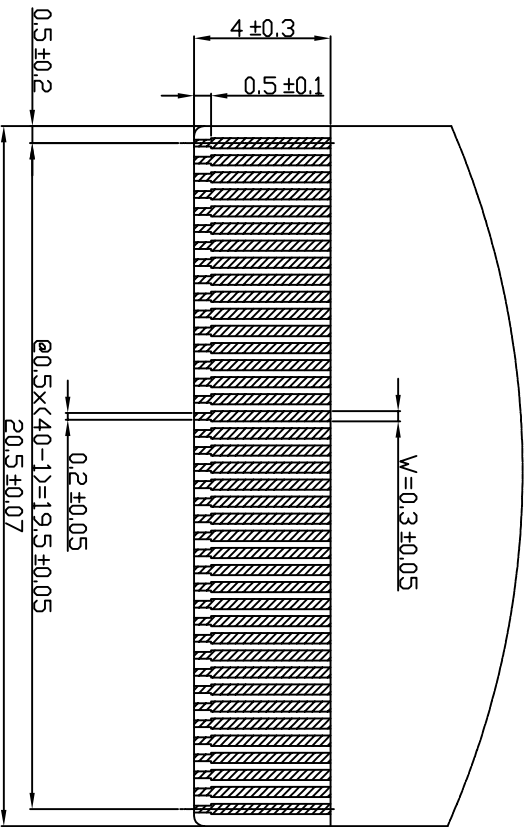
With TOUCH SCREEN

RECOMMENDED TOUCH SCREEN CONNECTOR : MOLEX 0472180417

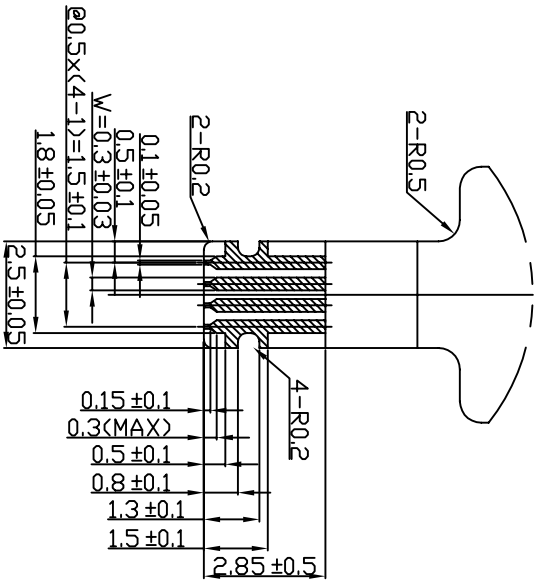


With TOUCH SCREEN

Detail "B"
Scale: 8x



Detail "C"
Scale: 10x



Detail "D"
Scale: 10x

Mouser Electronics

Authorized Distributor

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[HDA430T](#) [HDA430](#) [HDA430-H](#) [HDA430T-H](#)