

GENERAL INFORMATION

Item	Contents	Unit
LCD type	TFT TRANSMISSIVE	/
Viewing direction	9:00	O' Clock
Glass area (W × H)	57.54 × 79.2	mm ²
Viewing area (W×H)	50.6 × 66.8	mm ²
Active area (W×H)	48.6 × 64.8	mm ²
Number of Dots	240 (RGB) × 320	/
Pixel size(W×H)	0.2025 × 0.2025	mm ²
Driver IC	SSD1289	/
Backlight Type	LED	/
Module Power consumption	360	mw
Interface Type	System parallel interface /Serial Bus System Interface / RGB interface	/
Input voltage	2.8	V

EXTERNAL DIMENSIONS

Customer No.: TRULY

TFT 3.2"
240(RGB)×320
View Direction
9 o'clock

上铁架
下铁架
FPC(B/L)
FPC
STIFFENER

P1	LED-A	P21	DB11
P2	LED-K	P22	DB10
P3	GND	P23	DB9
P4	VDD	P24	DB8
P5	PS2	P25	DB7
P6	PS1	P26	DB6
P7	PS0	P27	DB5
P8	PS3	P28	DB4
P9	SHUT	P29	DB3
P10	RESET	P30	DB2
P11	VSYNC	P31	DB1
P12	HSYNC	P32	DB0
P13	DOTCLK	P33	RD
P14	DEN	P34	WR
P15	DB17	P35	DC
P16	DB16	P36	SDO
P17	DB15	P37	SDI
P18	DB14	P38	SCK
P19	DB13	P39	CS
P20	DB12	P40	GND

LED CUI

NOTES:

- OPERATING TEMPERATURE: -20°C TO 70°C
- STORAGE TEMPERATURE: -30°C TO 80°C
- DRIVE IC : SSD1289(OR SSD1289A)
corresponding connector:XF2M-4015-1A

RHS COMPLIANCE (符合)
GENERAL TOLERANCE:±0.2

CUSTOMER APPROVE		AMEND		液晶显示模块	TRULY SEMICONDUCTORS LTD.		
Mechanical	Electrical	△			PRODUCT NO.	DRAW NO.	REV
		△			TFT-G240320LTSW-118W-E	LCM0446	A
		△			DWN	林汉良20071025	DSN
		△			CHKD	尹少斌20071025	APPD
		NO.	CONTENT	DATE	陈向阳20071025		

NOT IN SCALE
UNIT mm
SHEET: 1/1

■ ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Min	Max	Unit
Supply voltage	V _{DD}	-0.3	4.0	V
Input voltage	V _{IN}	V _{SS} -0.3	5.0	V
Operating temperature	T _{OP}	-20	70	°C
Storage temperature	T _{ST}	-30	80	°C
Humidity	RH		90%(Max60°C)	RH

■ ELECTRICAL CHARACTERISTICS

DC CHARACTERISTICS

Parameter	Symbol	Min	Typ	Max	Unit
Supply voltage for logic	V _{DD} -V _{SS}	2.5	2.8	3.6	V
Input Current	I _{dd}	---	10.98	21.96	mA
Input voltage 'H' level	V _{IH}	0.9 V _{DD}	---	V _{DD}	V
Input voltage 'L' level	V _{IL}	0	---	0.1 V _{DD}	V
Output voltage 'H' level	V _{OH}	0.8 V _{DD}	---	V _{DD}	V
Output voltage 'L' level	V _{OL}	0	---	0.2 V _{DD}	V

■ TIMING OF POWER SUPPLY

PLEASE REFER TO THE DRIVER IC SPECIFICATION.

■ BACKLIGHT CHARACTERISTICS

Item	Symbol	Min.	Typ.	Max.	Unit	Condition
Forward voltage	V _f	14.5	15.5	16.5	V	I _f =15 mA T _a =25°C
Luminance	L _v	2500	-	-	cd/m ²	
Number of LED	-	5			Piece	-
Connection mode	S	Series			-	-