

VIEWING DIRECTION(EYE)

FRONT

BACK

1.5MAX COMPONENT

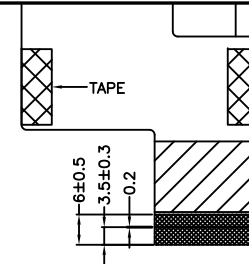
CONTACT SIDE

STIFFENER

0.3±0.05

LEDK

CONSTANT CURRENT:40mA,19.2V(REF.)  
BACKLIGHT DRIVER CIRCUIT DIAGRAM



PIN DEFINE

PIN No.	SYMBOL
1	LEDK
2	LEDA
3	GND
4	VDD
5	RO
6	R1
7	R2
8	R3
9	R4
10	R5
11	R6
12	R7
13	G0
14	G1
15	G2
16	G3
17	G4
18	G5
19	G6
20	G7
21	B0
22	B1
23	B2
24	B3
25	B4
26	B5
27	B6
28	B7
29	GND
30	DCLK
31	DISP
32	HSYNC
33	VSYNC
34	DE
35	NC
36	GND
37	XR/NC
38	YD/NC
39	XL/NC
40	YU/NC

ITEM	PARAMETERS	ITEM	PARAMETERS	RoHS COMPLIANT	YES
LCD SIZE	5.0 inch(DIAGONAL)	VIEWING DIRECTION(EYE)	12 O'CLOCK		
LCD TYPE	TN/NORMALLY WHITE	OPERATING TEMPERATURE	-20°C TO +70°C		
RESOLUTION(H*V)	480*272 PIXELS	STORAGE TEMPERATURE	-30°C TO +80°C		
POLARIZER TYPE	TRANSMISSIVE(ANTI-GLARE)	IC	ILI6480BQ OR COMPATIBLE		
POWER SUPPLY INPUT VOLTAGE	3.3V(VDD)	BACKLIGHT	EDGE,WHITE		
I/O LOGIC VOLTAGE	XXXX	CONNECTOR	ZIF		

MARK\*\*ARE IMPORTANT DIMENSIONS,MARK()\*ARE REFERENCE DIMENSIONS,MARK\*ARE SPECIAL CHARACTERISTICS RELATED TO SAFETY,MARK\* ARE SPECIAL CHARACTERISTICS IRRELEVANT TO SAFETY,MARK\* ARE IMPORTANT CHARACTERISTICS EXCEPT FOR THE SPECIAL CHARACTERISTICS.

REVISION

REV	ECO NO	DESCRIPTION	DWN	DATE	CHKD	DATE	APVD	DATE	APVD	DATE
A		Initial		Sept./24/2015						

DRAWN BY  
ZHIXING XU  
DATE: Sept./24/2015  
CHECKED BY  
DATE:  
APPROVED BY  
DATE:  
APPROVED BY  
DATE:

UNLESS OTHERWISE SPECIFIED:  
1) ALL DIMENSIONS ARE IN MM.  
2) TOLERANCE  
.XXX ±.127  
.XX ±.254  
ANGLES ±0.5°  
THIRD ANGLE PROJECTION  
DRAWING SIZE: C  
DRAWING SCALE: NONE  
DO NOT SCALE DRAWING

**POLYTRONIX, INC.** 805 ALPHA DRIVE  
RICHARDSON, TX 75081  
972.238.7045  
CUSTOMER ID NUMBER: SHEET 1 OF 1  
TITLE:  
CAGE CODE NO. 2Y126 POLYTRONIX PART NUMBER: PT-50WQ-NN-01 REV: A