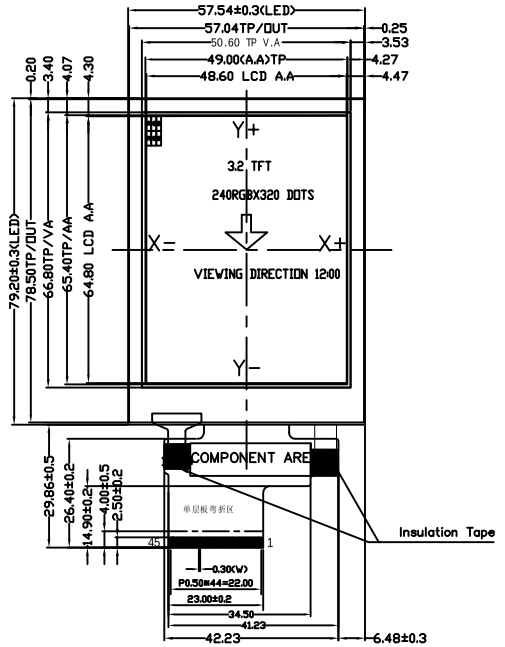

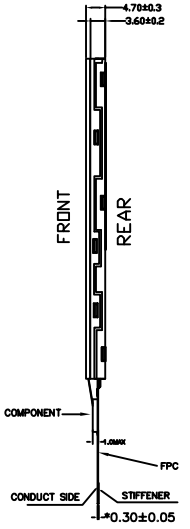

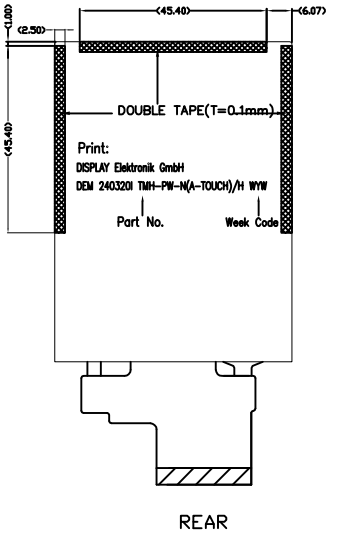

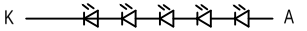

LED CIRCUIT DIAGRAM:

	PIN NAME
1	LED A
2	LED K
3	GND
4	VCC
5	NC
6	X+
7	Y-
8	X-
9	Y+
10	RESET
11	VSYNC
12	HSYNC
13	DOTCLK
14	DEN
15	BD17
16	DB16
17	DB15
18	DB14
19	DB13
20	DB12
21	DB11
22	DB10
23	DB9
24	DB7
25	DB6
26	DB5
27	DB4
28	DB3
29	DB2
30	DB1
31	DB0
32	DB8
33	RD
34	WRX(D/CX)
35	D/CX(SCL)
36	SDO
37	SDI/SDA
38	NC
39	CS
40	GND
41	IM0
42	IM1
43	IM2
44	IM3
45	NC

NOTES :

1. DISPLAY TYPE : A-SI TFT-LCD, 262K COLORS, NEGATIVE, TRANSMISSIVE
2. VIEWING DIRECTION: 12:00
3. DRIVE METHOD: 1/320
4. VDD: 2,8 VOLT (typ.)
5. OPERATING TEMPERATURE: -20°C ~ +70°C
   STORAGE TEMPERATURE: -30°C ~ +80°C
6. DRIVER IC: ILI9341 (ILITEK, COG)
7. BACKLIGHT: LED, WHITE, 5LEDs, IF=20mA, VF=14,5V...16,5V
   180cd/m2 (typ.), 50000h
8. INTEGRATED 4-WIRE-RESISTIVE TOUCH-PANEL

Interface configuration information

IM3	IM2	IM1	IM0	MCU-Interface Mode
0	0	0	0	80 MCU 8-bit bus interface I
0	0	0	1	80 MCU 16-bit bus interface I
0	0	1	0	80 MCU 9-bit bus interface I
0	0	1	1	80 MCU 18-bit bus interface I
0	1	0	1	3-wire 9-bit data serial interface I
0	1	1	0	4-wire 8-bit data serial interface I
1	0	0	0	80 MCU 16-bit bus interface II
1	0	0	1	80 MCU 8-bit bus interface II
1	0	1	0	80 MCU 18-bit bus interface II
1	0	1	1	80 MCU 9-bit bus interface II
1	1	0	1	3-wire 9-bit data serial interface II
1	1	1	0	4-wire 8-bit data serial interface II

PRELIMINARY - SPECIFICATION

REVISIONS					
MARK	DATE	DESCRIPTION	DRAWN	CHECK	APPROVE
PRELIMINARY	31.05.2013	PRELIMINARY RELEASE			

	DRAWN	CHECK	APPROVE
NAME	MH		
DATE	31.05.2013		
UNLESS OTHERWISE NOTED TOLERANCES : ±0.2			

PART NO.	DEM 240320I TMH-PW-N (A-TOUCH)		
DWG NO.	PRELIMINARY		
SUB-DWG NO.	4		
PAGE	1-1	UNIT	mm

DISPLAY Elektronik GmbH