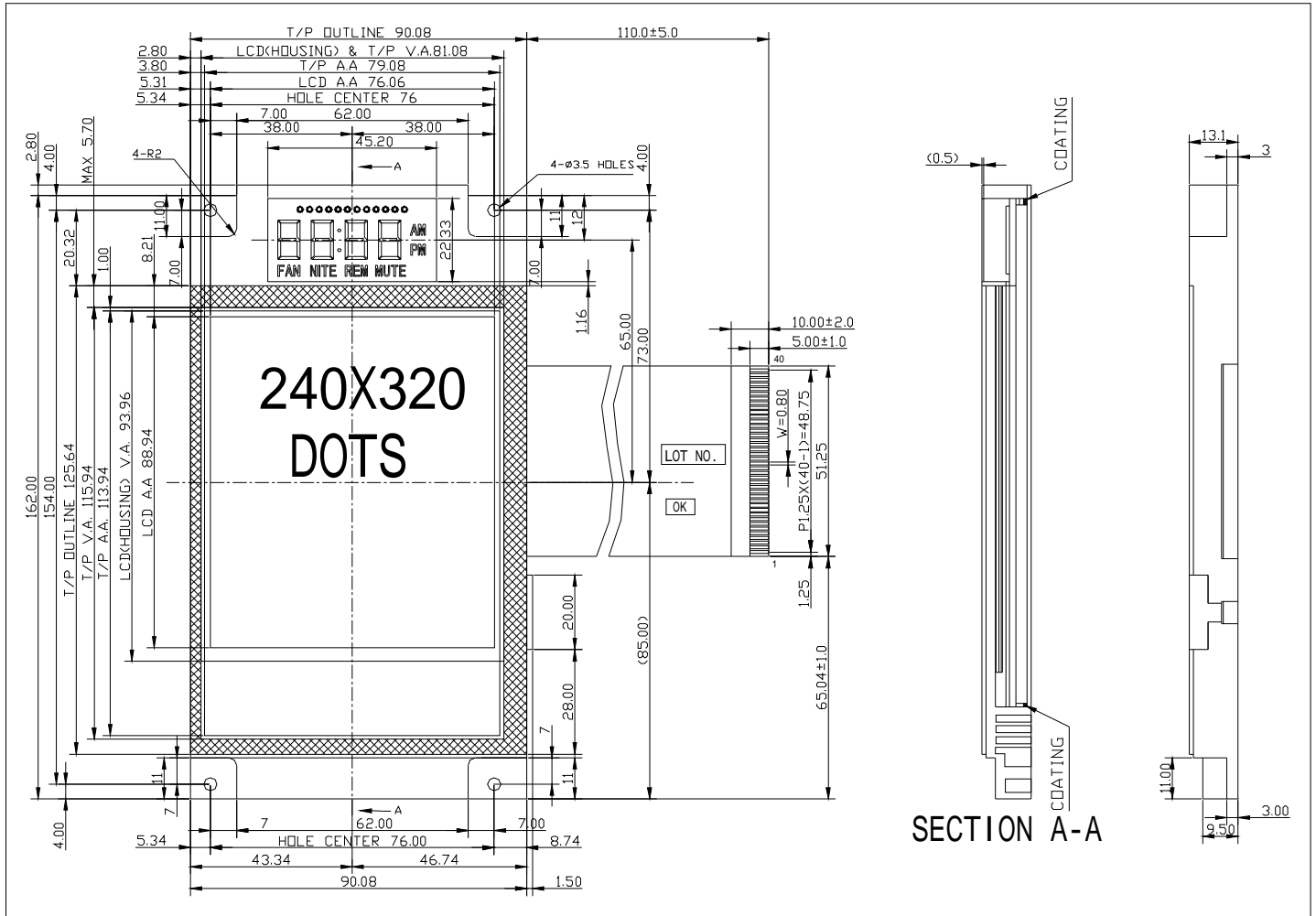
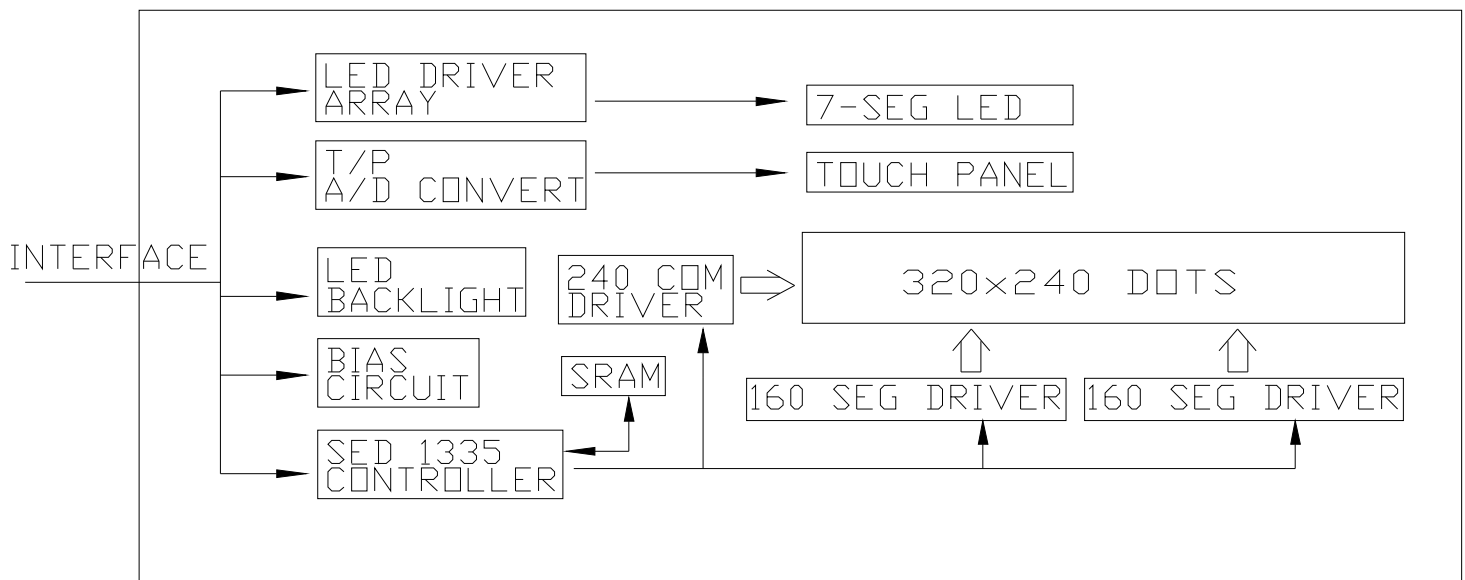


1.0 DIMENSIONAL DRAWING



2.0 BLOCK DIAGRAM



3.0 ELECTRICAL CHARACTERISTICS (Ta=25 °C, V_{DD}=3.0V±0.25V)

Item	Symbol	Test Condition	Standard Value			Unit
			Min.	Typ.	Max.	
Supply Voltage (Logic)	V _{DD}	25°C	2.7	3.3	4.5	V
LCD Operation Voltage	V _{op}	25°C(FSTN)	--	21.4	--	V
Supply Current (Logic)	I _{DD}	V _{DD} =5.0V	--	--	30	mA
Backlight Forward Voltage	V _F	25°C	--	5.0	--	V

4.0 ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Test Condition	Standard Value		
			Min.	Max.	Unit
Supply Voltage (Logic)	$V_{DD}-V_{SS}$	25°C	-0.3	5.5	V
Supply Voltage (LCD)	$V_{DD}-V_O$		-0.3	26	V
Input Voltage	V_{IN}		-0.3	$V_{DD}+0.3$	V
Operating Temp.	T_{OPR}		-20	70	°C
Storage Temp.	T_{STG}		-30	80	°C

5. PIN ASSIGNMENT

Pin no.	SIGNAL	LEVEL	FUNCTION			
1	/PENIRO	H/L	FOR T/P APT7846			
2	DCLK	H/L				
3	/CS	H/L				
4	DIN	H/L				
5	DOUT	H/L				
6	VLED	—	POWER SUPPLY FOR LED (+5V)			
7	VLSS	—	POWER SUPPLY FOR LED (GND)			
8	VSS	—	GROUND			
9	VDD	—	POWER SUPPLY FOR LOGIC CIRCUIT(+3.3V)			
10	NC	—	NOT USE			
11	A0	—	8080 FAMILY INTERFACE			
			A0	/RD	/ER	FUNCTION
			0	0	1	STATUS FLAG READ
			1	0	1	DISPLAY DATA AND CURSOR ADDRESS READ
			0	1	0	DISPLAY DATA AND PARAMETER WRITE
1	1	0	COMMAND WRITE			
12	/WR	H/L	8080 RFAMILY INTERFACE ACTS AS THE ACTIVE-LOW WRITE STROBE			
13	/RD	H/L	8080 RFAMILY INTERFACE ACTS AS THE ACTIVE-LOW READ STROBE			
14	D0	H/L	DISPLAY DATA			
15	D1					
16	D2					
17	D3					
18	D4					
19	D5					
20	D6					
21	D7					
22	/CS1	H/L	L: CHIP SELECT FOR S1D13305			
23	/RST	--				
24	VEE	—	POWER SUPPLY FOR LCD DRIVING(+24V)			
25	VSS	—	WHEN VSS=0, 8080 FAMILY INTERFACE SELECT			
26	VDD	—	Left Open or Connect to VDD			
27	LED1	H/L	7-SEGMENT LED CONTROL SIGNAL			
28	LED2					
29	LED3					
30	LED4					
31	LED5					
32	LED6					
33	LED7					
34	LED8					
35	LED9					
36	LED10					
37	LED11					
38	LED12					
39	NC	—				
40	NC	—				

Remark:

1. LCD option: TN,STN, FSTN .
2. Customized module.