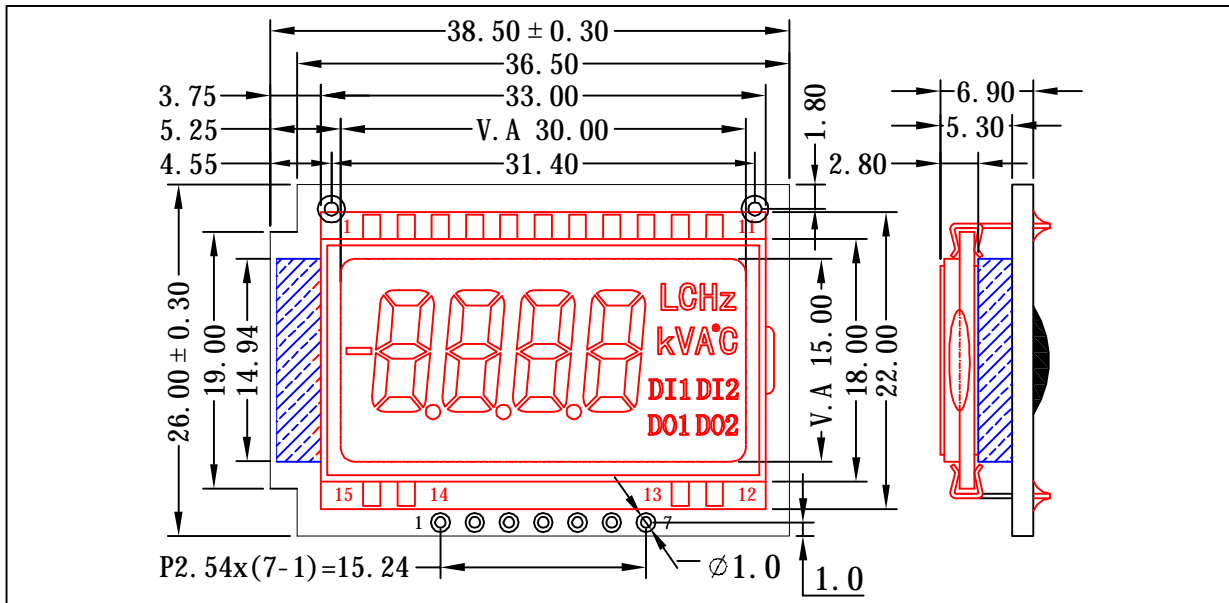




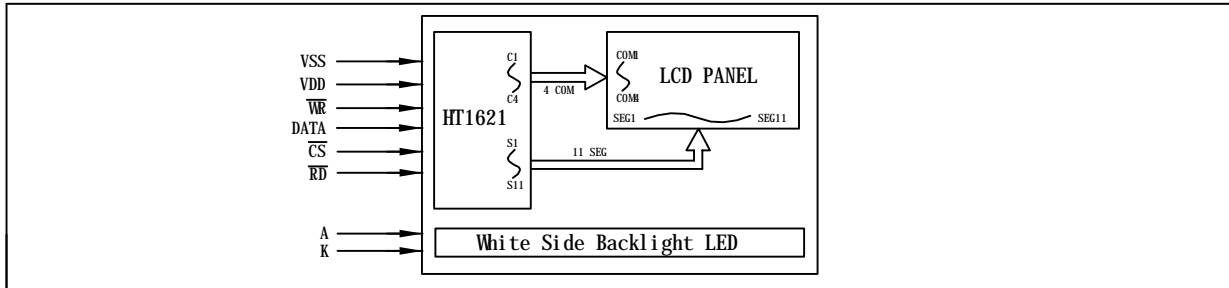
ZXM804A1 Series

1/4 DUTY, 1/3 BIAS
SEG-COB

OUTLINE DIMENSIONS



BLOCK DIAGRAM & POWER SUPPLY



MECHANICAL SPECIFICATIONS & FEATURE

item	Normal Dimensions(mm)	Feature	
Module Size(W*H*T)	38.5x26.0x6.9MAX	LCD Type	FSTN
View Area(W*H)	30.0x13.0	LCD Colour	FSTN:Gray
DotsxDots(W*H)	---	View Angle	6 O'clock
Dot Pitch(W*H)	---	Display Type	Positive Type
Dot Size(W*H)	---	Rear Polarizer	Transflective
---	---	Operating Temperature	-20°C - +70°C
---	---	Backlight	LED: Blue

ELECTRICAL CHARACTERISTICS

item	Symbol	Test Condition	Min.	Type.	Max.	Unit
Operating Voltage	Vdd	Ta=25°C	---	5.0V	---	V
Operating Voltage for LCD	Vlcd	Ta=25°C	---	5.0V	---	V
Supply Current	Idd	Ta=25°C, Vdd=5.0V	---	2.0	3.0	mA
Supply Current for Backlight	If	Ta=25°C, Vf=3.0V	---	15	---	mA

INTERFACE PIN CONNECTIONS

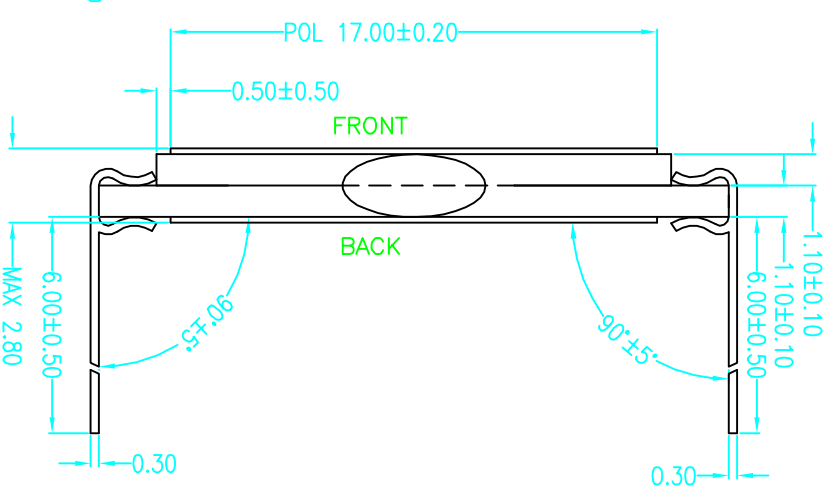
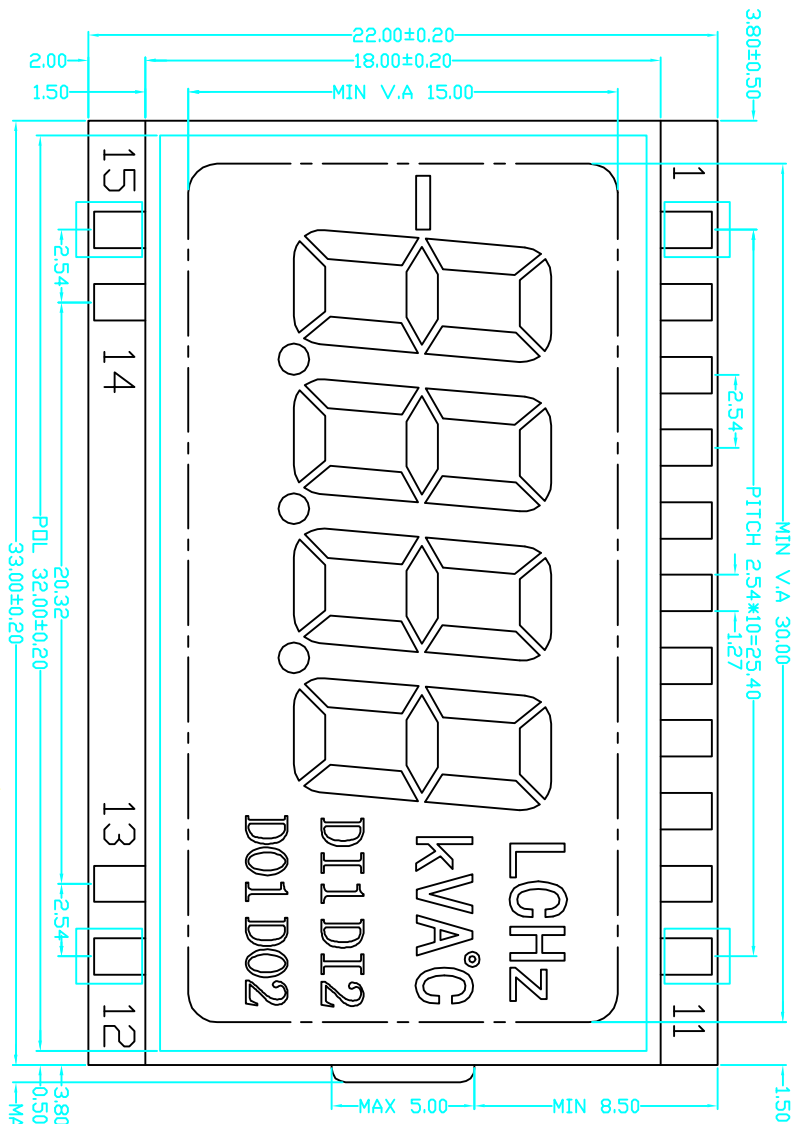
Pin No.	Symbol	Level	Description
1	LEDK	--	Power supply for LED backlight (0V)
2	LEDA	--	Power supply for LED backlight (+5.0V)
3	VDD	H	Power supply for Logic (+5.0V)
4	VSS	L	Ground for Logic (0V)
5	DATA	H/L	Serial data input/output
6	WR	L	Write clock input
7	CS	L	Chip selection input with pull-high resistor

REMARK

- 1.Negative type LCD colour : Blue
- 2.File Version:03

ALL PAGES OF THIS VERSION APPROVED
 SIGNATURE: _____ DATE: _____

REV.	DESCRIPTION	DATE
A	REV.LOGIC&ICON	22/08/2008
B	REV.TEMPERATURE	23/10/2008



SPECIFICATIONS

DISPLAY MODE : FSTN, POSITIVE MODE
 DRIVE CONDITION : 1/4 DUTY, 1/3 BIAS
 VIEWING DIRECTION : 6 O'CLOCK
 OPERATING TEMP : 20°C TO +70°C
 STORAGE TEMP : -30°C TO +80°C
 OPERATING VOLTAGE: 5.0 V

VIEWING DIRECTION ↘

FRONT POLARIZER : TRANSMISSIVE,ADHESIVE
 BACK POLARIZER : TRANSMISSIVE,ADHESIVE
 CUSTOMER NO.:
 CONNECTORS : NO.:
 RoHs COMPLIANT : Yes No

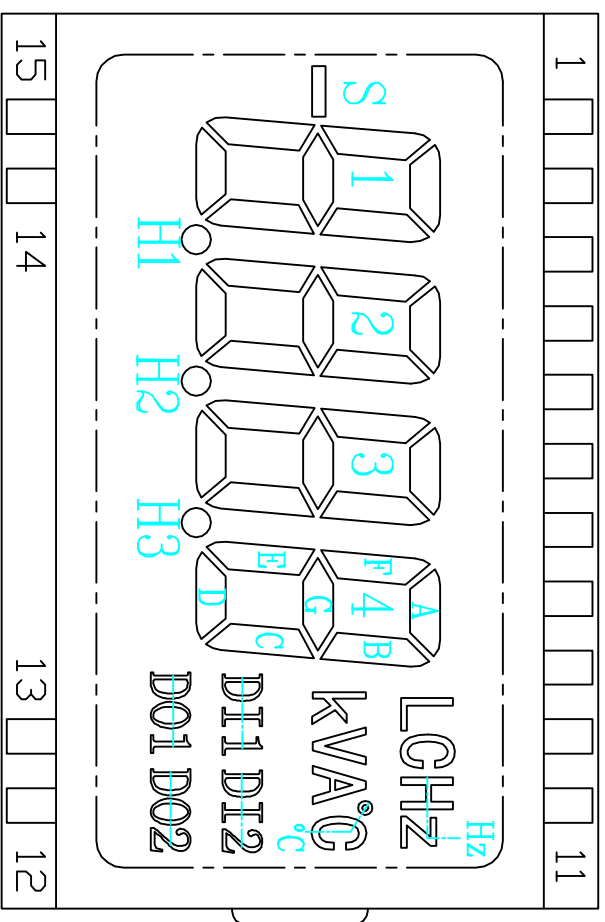
ZX 惠州市中显电子科技有限公司

GENERAL TOL ALL UNITS: 0.20 mm	DATE 13/10	MODEL NUMBER : ZXM804A1-LCD	PROJECTION	SHEET: 1 OF 3
DWN: XIAO	CHK:	DO NOT SCALE THIS DRAWING.	DATE: 13/10/2008	

特殊工艺:

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REV.	DESCRIPTION	DATE
A	REV.LOGIC&ICON	22/08/2008
B	REV.TEMPERATURE	23/10/2008



PIN	SEG	COM0	COM1	COM2	COM3
11	10	DI2	DO2	DI1	DO1
10	09	°C	A	K	V
9	08	HZ	C	L	
8	00	A4	B4	S	C4
7	01	F4	G4	D4	E4
6	02	A3	B3	H3	C3
5	03	F3	G3	D3	E3
4	04	A2	B2	H2	C2
3	05	F2	G2	D2	E2
2	06	A1	B1	H1	C1
1	07	F1	G1	D1	E1
12		COM0			
13			COM1		
14				COM2	
15					COM3

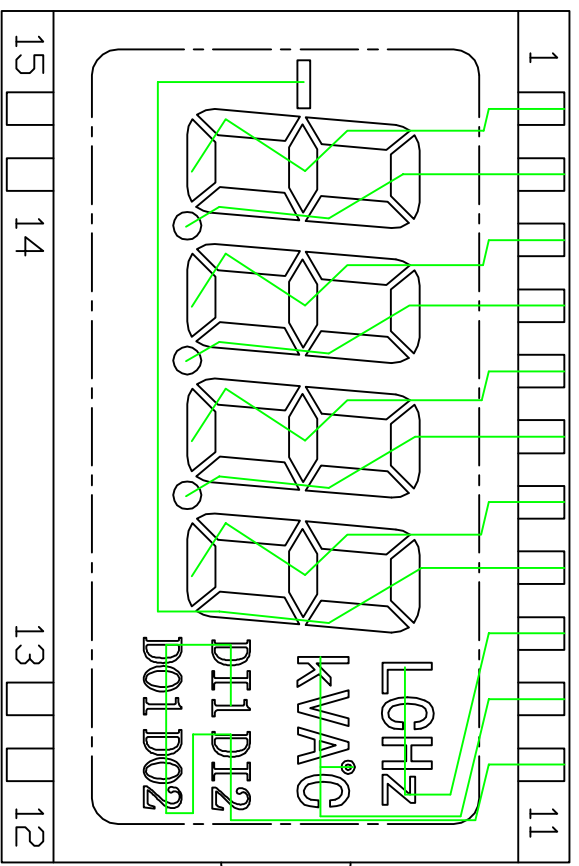
 惠州市中显电子科技有限公司

GENERAL TOL ALL UNITS: 0.20 mm	DATE 13/10	MODEL NUMBER : ZXM804A1-LCD	PROJECTION	SHEET: 2 OF 3
DWN: XIAO	CHK:	APP:	DO NOT SCALE THIS DRAWING.	DATE: 13/10/2008

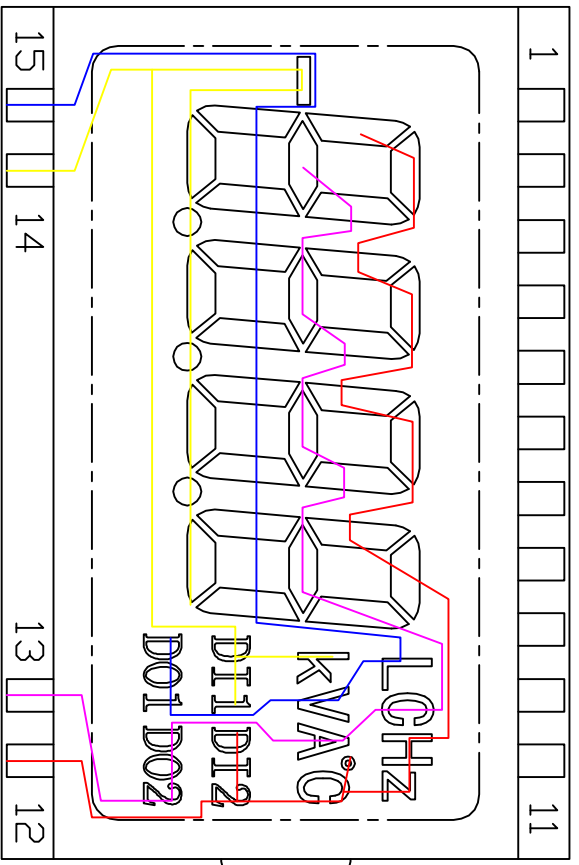
特殊工艺:

ALL PAGES OF THIS VERSION APPROVED
 SIGNATURE: _____ DATE: _____

REV.	DESCRIPTION	DATE
A	REV.LOGIC&ICON	22/08/2008
B	REV.TEMPERATURE	23/10/2008



SEG



COM

 惠州市中显电子科技有限公司

GENERAL TOL ALL UNITS: 0.20 mm	DATE 13/10	MODEL NUMBER : ZXMS804A1-LCD	PROJECTION	SHEET: 3 OF 3
DWN: XIAO				DATE: 13/10/2008
CHK:				
APP:		DO NOT SCALE THIS DRAWING.		

特殊工艺: