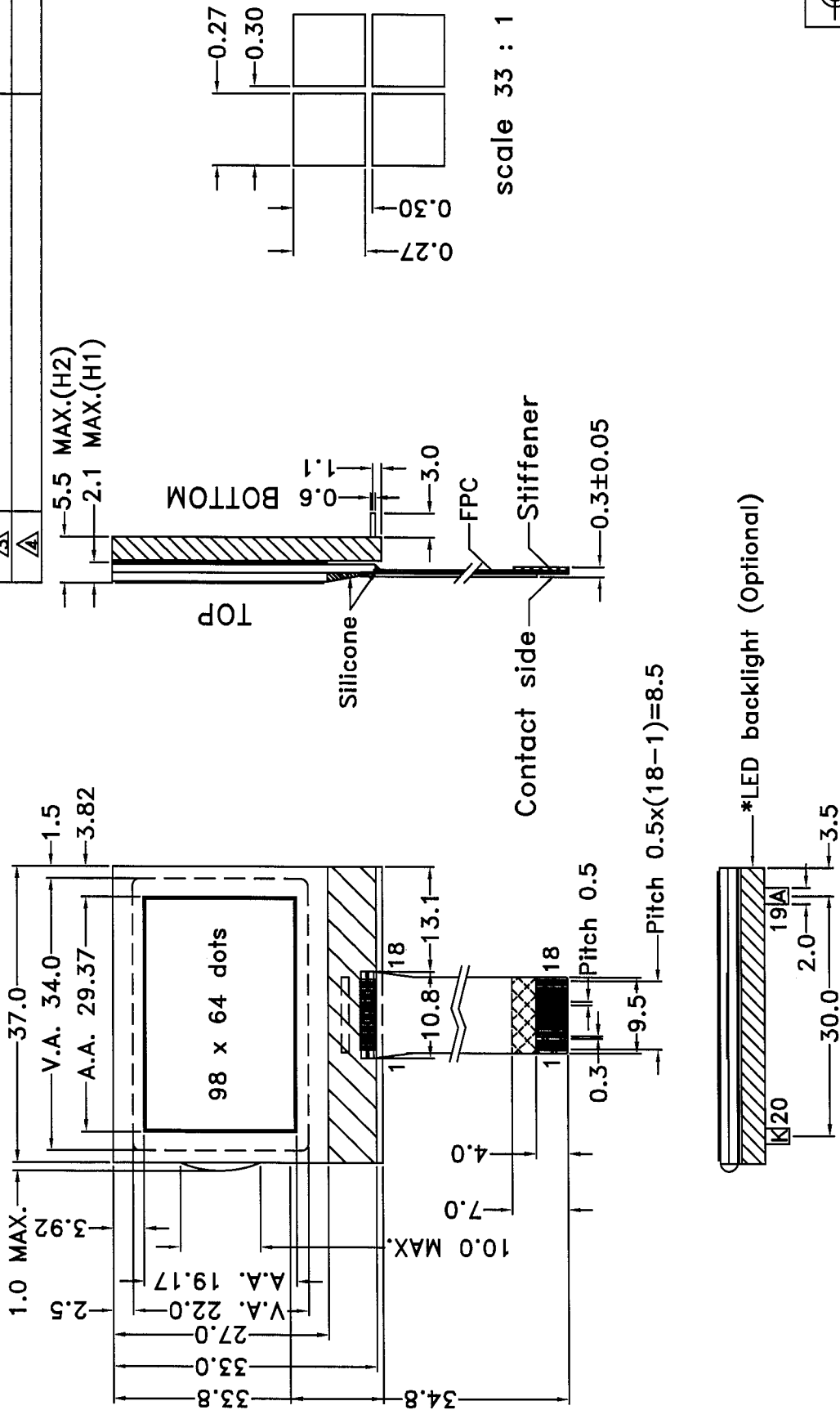
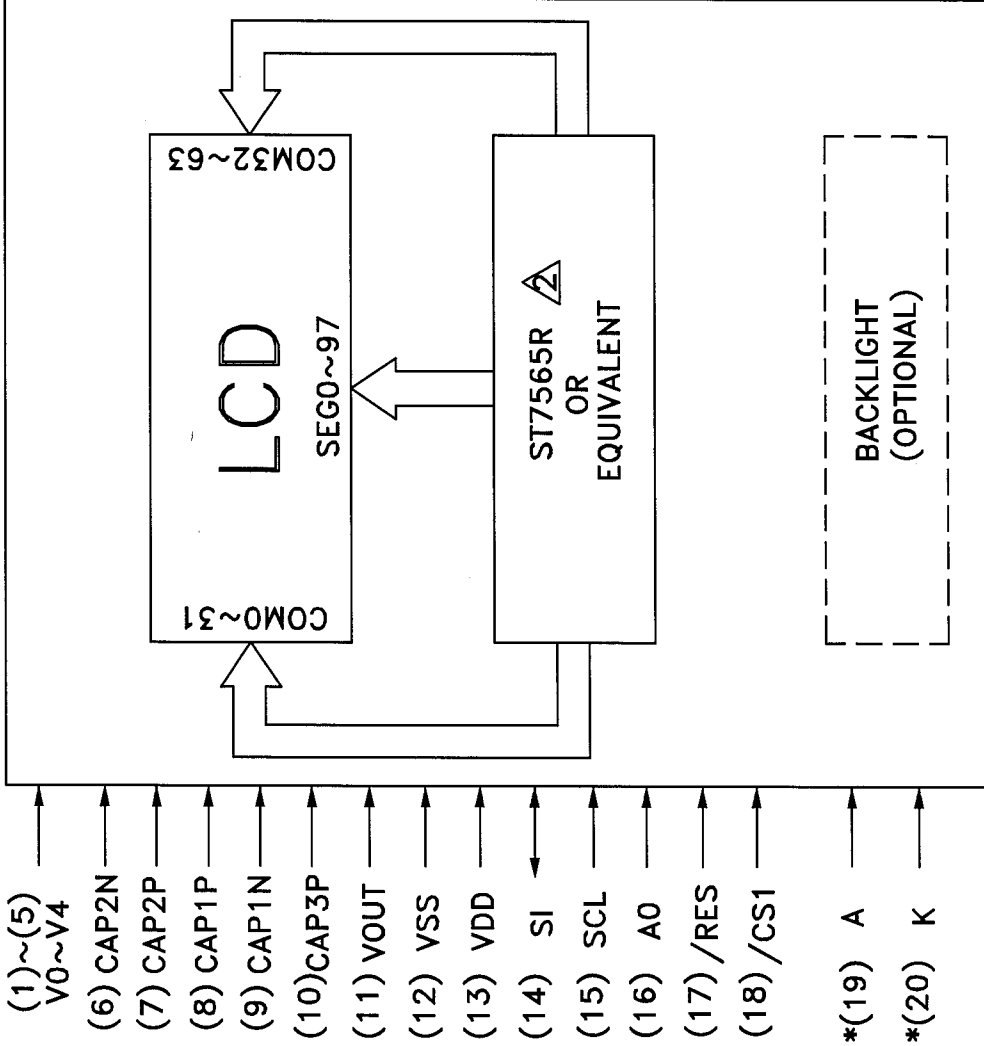


MARK	REASON	PREPARED	DATE
△	Correct our REF. and change the backlight specification	Alex	26 APR 12
△	Change the IC	Linshao	17 FEB 14
△			
△			



TOLERANCE IF NOT SPECIFY ±0.5mm		SCALE NOT ON SCALE	UNIT IN mm	CLOVER DISPLAY LTD. (HK)		SHEET 1 OF 3
REV.	REVISION RECORD			CUSTOMER	APPROVED	MODEL NO. ZCG9864M
00	1st ISSUE		DATE 12 MAR 12	STANDARD	APPROVED	TITLE: DIMENSION
01	Correct our REF. and change the backlight specification		DATE 26 APR 12			DRAWN BY: WFN
02	Change the IC		DATE 17 FEB 14	AGENT	APPROVED	CHECKED BY: <i>PN</i> DATE: 17 FEB 14
				CUSTOMER REF.	OUR REF. ZX90906X	APPROVED BY: <i>Linshao</i> DATE: 17 FEB 14



\*NOTE: Pin 19, 20 are used for backlight version

PIN NUMBER	SYMBOL	FUNCTION
1	V0	Supply voltage for LCD
2	V1	
3	V2	
4	V3	
5	V4	
6	CAP2N	Booster terminal
7	CAP2P	
8	CAP1P	
9	CAP1N	
10	CAP3P	
11	VOUT	Ground
12	VSS	
13	VDD	
14	SI	
15	SCL	
16	A0	Data/Command select pin
17	/RES	Reset
18	/CS1	Chip select signal
*19	A	Voltage supply for backlight (VE+)
*20	K	Voltage supply for backlight (VE-)

TOLERANCE IF NOT SPECIFY ±0.5mm		SCALE NOT ON SCALE	UNIT IN mm	CLOVER DISPLAY LTD. (HK)		SHEET 2 OF 3
REV.	REVISION RECORD	DATE		APPROVED		MODEL NO. ZCG9864M
00	1st ISSUE	12 MAR 12		TITILE: PINOUT & BLOCK DIAGRAM		DRAWN BY: WFN DATE: 17 FEB 14
01	Correct our REF. and change the backlight specification	26 APR 12		APPROVED		CHECKED BY: <i>Alba</i> DATE: 17 FEB 14
02	Change the IC	17 FEB 14		OUR REF. ZX90906X		APPROVED BY: <i>Alba</i> DATE: 17 FEB 14
				CUSTOMER REF.		
				CUSTOMER STANDARD		

### 1.General specification

Display mode : 98 x 64 dots, Graphic COG LCD module  
 Interface : Serial  
 Driving method : 1/65 duty , 1/9 bias

### 2.Electrical specification

Supply voltage for logic(VDD) : 3.0V  
 Driving voltage for LCD (Vlcd) : 8.0V (Generated by internal booster)

### 3.Mechanical specification

Dot size : 0.27(L)x0.27(W)  
 Dot pitch : 0.30(L)x0.30(W)  
 Viewing area[mm] : 34.0(L)x22.0(W)  
 Module dimension[mm] : 37.0(L)x33.8(W)x2.1MAX.(H1)(no backlight)  
 Module dimension[mm] : 37.0(L)x33.8(W)x5.5MAX.(H2)(backlight)

### △ 4.Backlight specification

Backlight type : Side-lited LED backlight  
 Backlight voltage : 3.5V  
 Backlight color : White/Blue/Yellow green

TOLERANCE IF NOT SPECIFY ±0.5mm		SCALE NOT ON SCALE	UNIT IN mm	CLOVER DISPLAY LTD. (HK)		SHEET 3 OF 3
REV.	REVISION RECORD		DATE	CUSTOMER	APPROVED	MODEL NO. ZCG9864M
00	1st ISSUE		12 MAR 12	STANDARD	APPROVED	TITLE: SPECIFICATION
01	Correct our REF. and change the backlight specification		26 APR 12			DRAWN BY: WFN
02	Change the IC		17 FEB 14	AGENT	APPROVED	CHECKED BY : <i>Wfn</i> DATE :17 FEB 14
						APPROVED BY: <i>[Signature]</i> DATE :17 FEB 14
				CUSTOMER REF.	OUR REF. ZX90906X	