

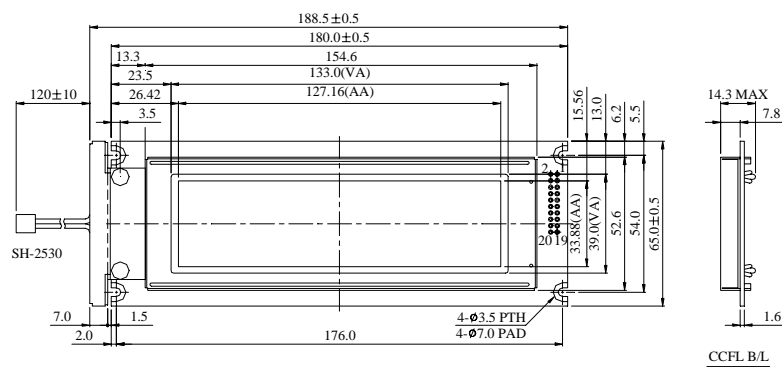
General Specification

Item	Dimension	Unit
Number of Characters	240 characters x 64Lines	
Module dimension	188.5 x 65.0 x 14.3(MAX)	mm
View area	133.0 x 39.0	mm
Active area	127.16 x 33.88	mm
Dot size	0.49 x 0.49	mm
Dot pitch	0.53 x 0.53	mm

Electrical Characteristics

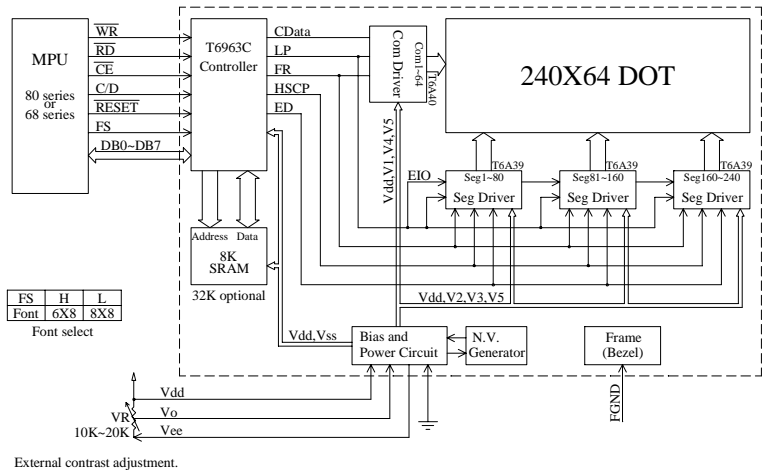
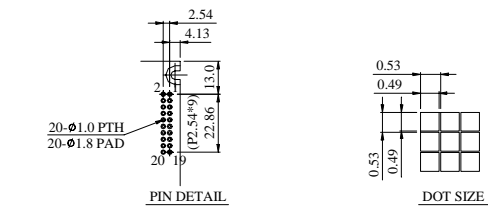
Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage For Logic	$V_{DD}-V_{SS}$		4.75		5.25	V
Supply Voltage For LCD	$V_{DD}-V_0$	Ta=0			12.5	V
		Ta=25		12.0		V
		Ta=+50	11.5			V
Input High Volt.	V_{IH}		2.2		V_{DD}	V
Input Low Volt.	V_{IL}		0		0.8	V
Output High Volt.	V_{OH}		2.4		V_{DD}	V
Output Low Volt.	V_{OL}		0		0.4	V
Supply Current	I_{DD}	$V_{DD}=5V$		16		mA

Contour Drawing &Block Diagram



PIN NO.	SYMBOL
1	FGND
2	Vss
3	Vdd
4	Vo
5	WR
6	RD
7	CE
8	C/D
9	Vee
10	RESET
11	DB0
12	DB1
13	DB2
14	DB3
15	DB4
16	DB5
17	DB6
18	DB7
19	FS
20	NC

The non-specified tolerance of dimension is ±0.3mm.



CCFL B/L drive directly from connector .

