



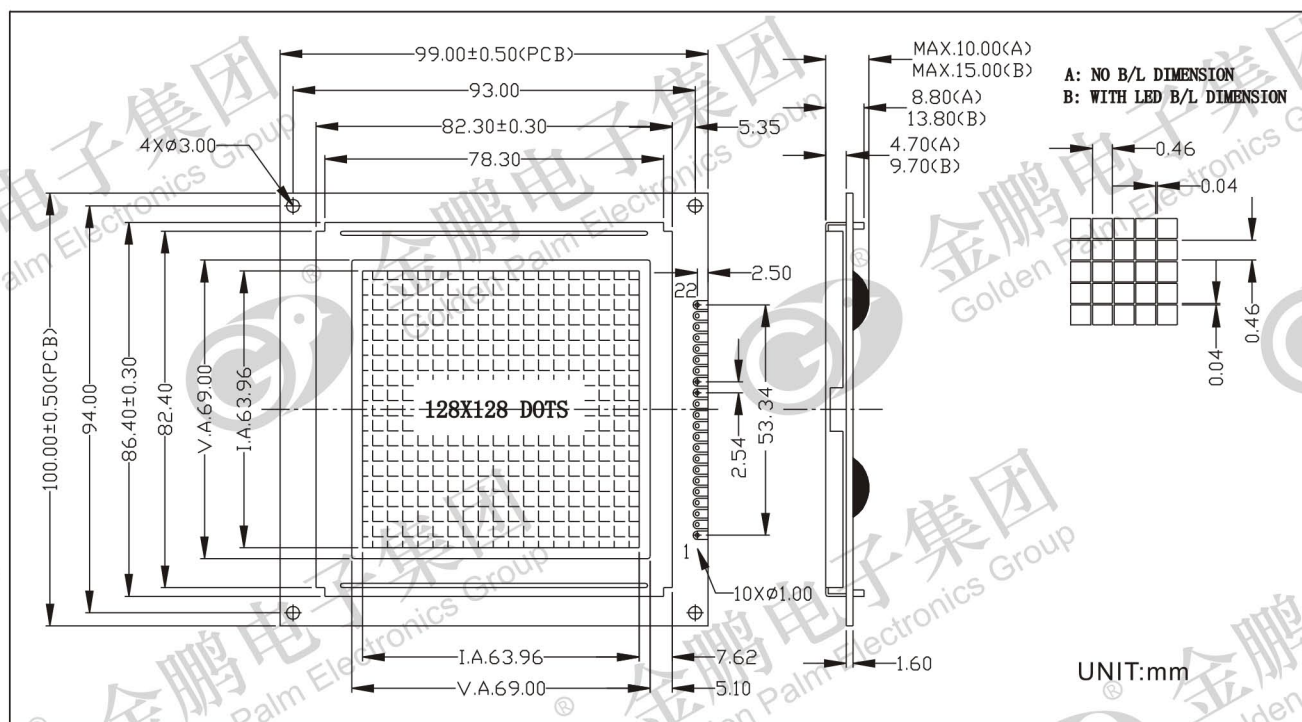
OCM128128

128 X 128 dots

P.24

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ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage(Logic)	V _{DD}	-0.3	7.0	V
Supply Voltage(LCD)	V _O	--	18.0	V
Input Voltage	V _I	-0.3	V _{DD} +0.3	V
Operating Temp.	T _{opr}	-20	70	°C
Storage Temp.	T _{stg}	-30	80	°C

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size(W X H X T)	99.0X100.0X10.0/15.0	mm
Viewing Area(W X H)	69.0 X 69.0	mm
Dot Pitch(W X H)	0.50 X 0.50	mm
Dot Size(W X H)	0.46 X 0.46	mm

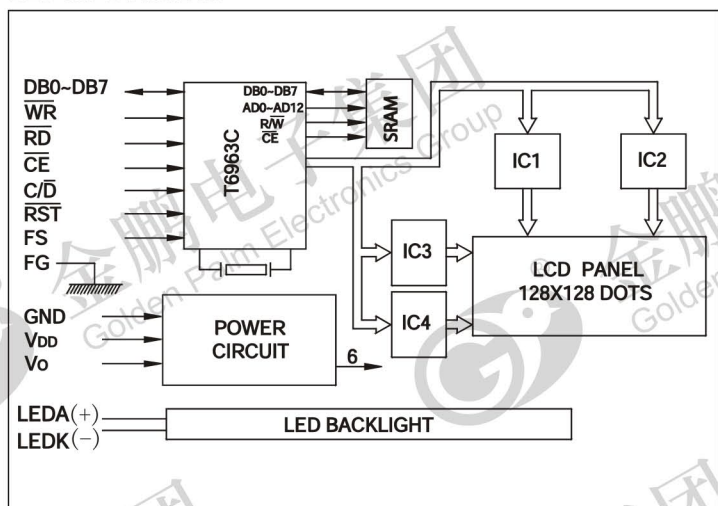
ELECTRICAL CHARACTERISTICS (V_{DD}=5V±0.25V)

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Input High Voltage	V _{IH}	--	V _{DD} -2.2	--	V _{DD}	V
Input Low Voltage	V _{IL}	--	0	--	0.8	V
Output High Voltage	V _{OH}	--	V _{DD} -0.3	--	V _{DD}	V
Output Low Voltage	V _{OL}	--	0	--	0.3	V
Supply Current	I _{DD}	V _{DD} =5.0V f _{osc} =3.0MHz	--	--	6.0	mA

PIN CONNECTIONS

Pin	Symbol	Level	Function
1	FB	--	Operating Votage for LCD(Variable)
2	VREF	--	
3	FG	--	Frame ground
4	VSS	--	GND (0V)
5	V _{DD}	--	Supply Voltage for Logic (+5V)
6	V _O	--	Power supply for LCD
7	WR	L	Write signal
8	RD	L	Read signal
9	CE	L	chip select signal
10	C/D	H/L	H:Instruction code L:data
11	RESET	L	Reset signal
12	FS	H/L	Font select signal
13	DB0	H/L	Data signal
14	DB1	H/L	
15	DB2	H/L	
16	DB3	H/L	
17	DB4	H/L	
18	DB5	H/L	
19	DB6	H/L	
20	DB7	H/L	
21	LED+	--	LED Backlight Power Supply
22	LED-	--	

BLOCK DIAGRAM

LED BACKLIGHT SPECIFICATIONS (T_a=25 °C)

Item	Symbol	Typ.	Max.	Unit
Forward Voltage	V _f	4.1	4.3	V
Forward Current	I _f	200	--	mA
Emission Wave Length	λ _p	568	--	nm