

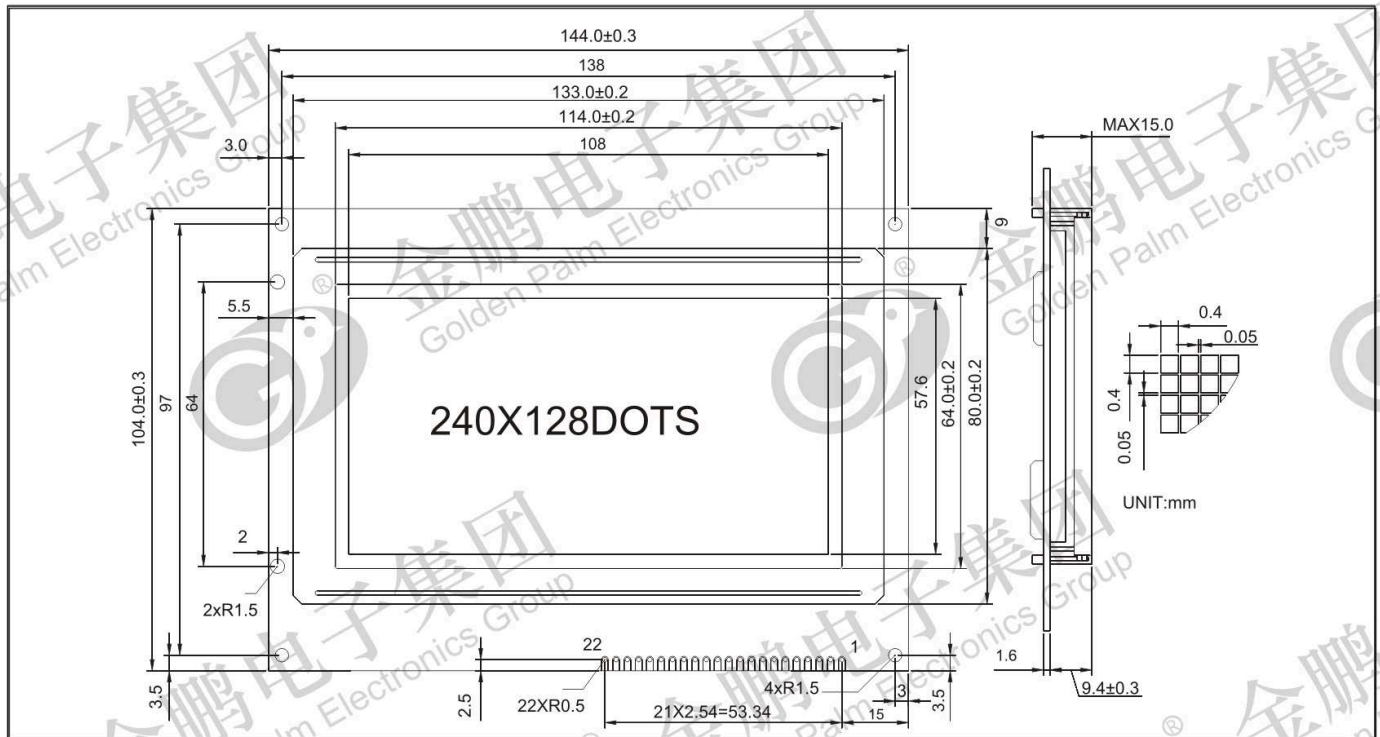


OCM240128-3

240x128 dots

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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)	144.0 X 104.0 X 15.0	mm
Viewing Area(W X H)	114.0 X 64	mm
Dot Pitch(W X H)	0.45X0.45	mm
Dot Size(W X H)	0.40 X 0.40	mm

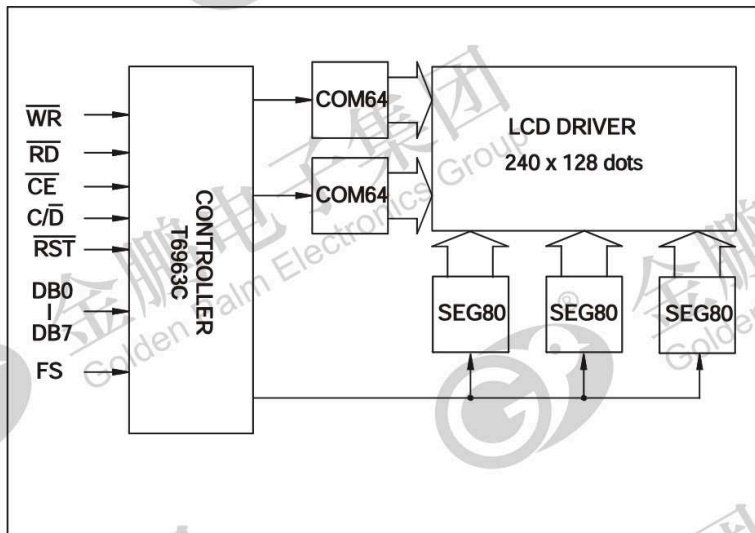
ELECTRICAL CHARACTERISTICS (V_{DD}=5V±0.25V)

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 fosc=3.0MHz	--	--	6.0	mA

PIN CONNECTIONS

Pin	Symbol	Level	Function
1	FG	--	Frame ground
2	V _{SS}	--	GND (0V)
3	V _{DD}	--	Supply Voltage for Logic (+5V)
4	V _O	--	Operating voltage for LCD drive
5	WR	L	Write signal input
6	RD	L	Read signal input
7	CE	L	Chip enable signal
8	C/D	H/L	H:Instrction code L:Data code
9	NC		
10	RESET	L	Reset signal
11	DB0	H/L	Data Bus Line
12	DB1	H/L	
13	DB2	H/L	
14	DB3	H/L	
15	DB4	H/L	
16	DB5	H/L	
17	DB6	H/L	
18	DB7	H/L	
19	FS	H/L	Font select(H:6X8 dots L:8x8 dots)
20	V _{EE}	--	Negative voltage for LCD driving
21	LED+	--	Power supply for LED+or EL
22	LED-	--	Power supply for LED-or EL

BLOCK DIAGRAM



LED BACKLIGHT SPECIFICATIONS (Ta=25 °C)

Item	Symbol	Typ.	Max.	Unit
Forward Voltage	V _f	4.05	4.25	V
Forward Current	I _f	720	--	mA
Emission Wave Length	λ _p	568	--	nm