

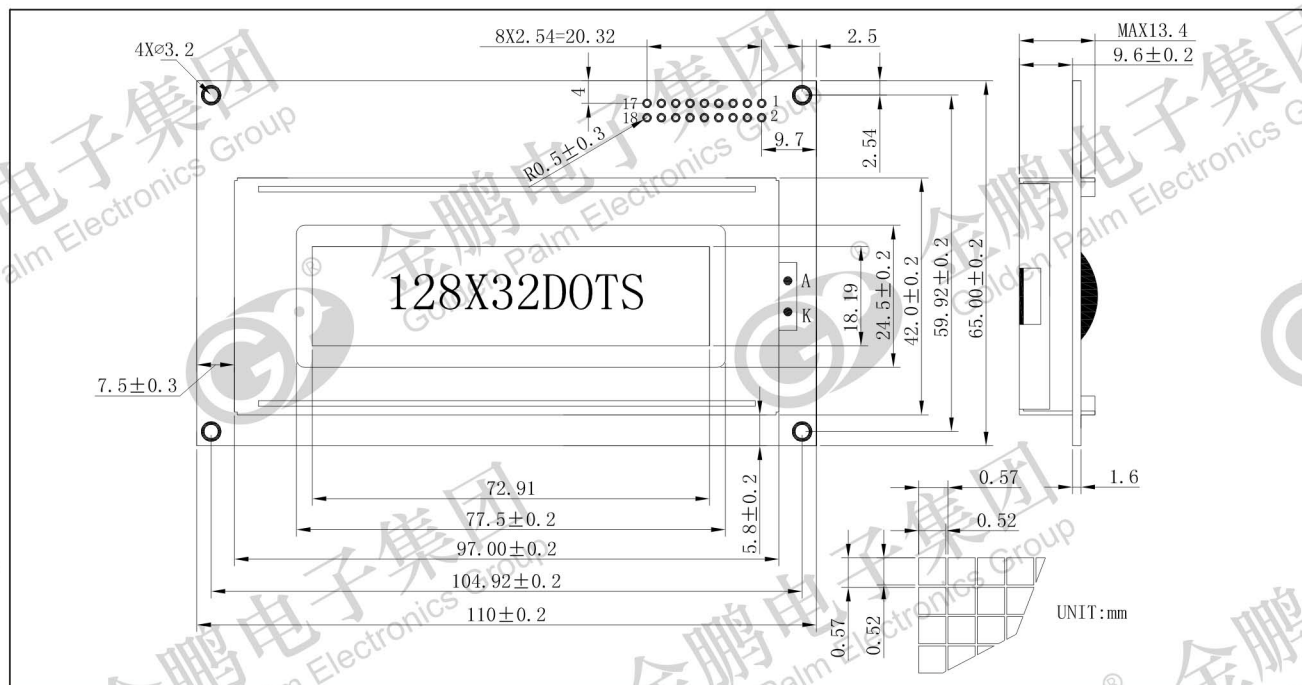


OCMJ2X8A 128 X 32 dots

P.17

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ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage(Logic)	V _{DD}	3.6	5.5	V
Supply Voltage(LCD)	V _{DD} -V _O	0	8.0	V
Input Voltage	V _I	-0.5	V _{DD} + 0.5	V
Operating Temp.	T _{opr}	-10	70	°C
Storage Temp.	T _{stg}	-30	80	°C

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size(W X H X T)	110.0 X 65.0 X 13.4	mm
Viewing Area(W X H)	77.5X24.5	mm
Dot Pitch(W X H)	0.57X0.57	mm
Dot Size(W X H)	0.52X0.52	mm

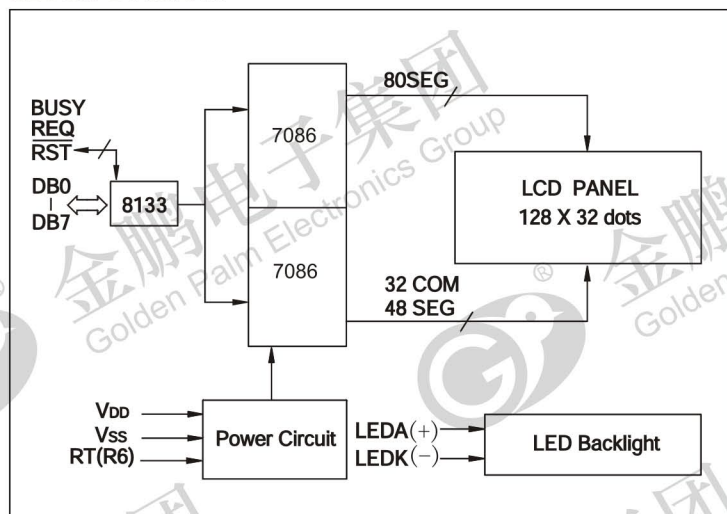
ELECTRICAL CHARACTERISTICS (V_{DD}=5V±0.25V)

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Input High Voltage	V _{IH}	--	3.6	--	5.5	V
Input Low Voltage	V _{IL}	--	-0.3	--	0.8	V
Output High Voltage	V _{OH}	I _{OH} = -1.5mA	3.5	--	V _{DD}	V
Output Low Voltage	V _{OL}	I _{OL} = +4.0mA	0	--	0.8	V
Supply Current	I _{DD}	V _{DD} = 5.0V	--	5	6.0	mA

PIN CONNECTIONS

Pin	Symbol	Level	Function
1	LED+	--	LED Backlight Power Supply+
2	LED-	--	LED Backlight Power Supply-
3	V _{SS}	--	GND (0V)
4	V _{DD}	--	Supply Voltage for Logic (+5V)
5	REQ	H	H : Data Input L : Waiting for Busy signal
6	BUSY	H/L	H : Busy L : Ready for input
7	DB0	H/L	Data Bus Line
8	DB1	H/L	
9	DB2	H/L	
10	DB3	H/L	
11	DB4	H/L	
12	DB5	H/L	
13	DB6	H/L	
14	DB7	H/L	
15	NC(RESET)	L	Reset Signal,Active Low
16	NC		Contrast regulate resistance input
17	NC(RT1)		
18	NC(RT2)		

BLOCK DIAGRAM



LED BACKLIGHT SPECIFICATIONS (Ta=25 °C)

Item	Symbol	Typ.	Max.	Unit
Forward Voltage	V _f	4.1	4.3	V
Forward Current	I _f	120	360	mA
Emission Wave Length	λ _p	568	--	nm