



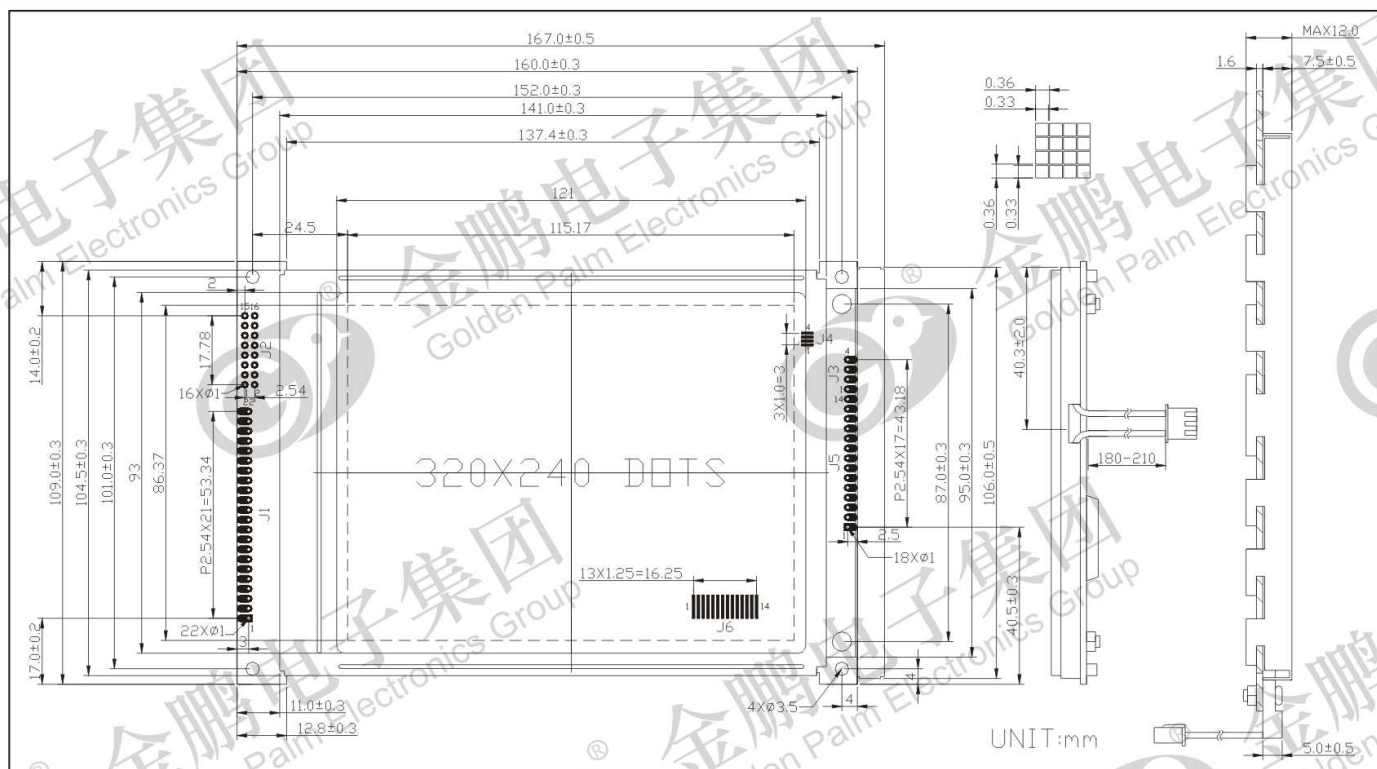
OCMJ15X20D

Chu Mo

320x240 dots

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ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage(Logic)	V _{DD}	2.4	5.5	V
Supply Voltage(LCD)	V _{DD} -V _O	--	26	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)	167X109X14	mm
Viewing Area(W X H)	121X92	mm
Dot Pitch(W X H)	0.36X0.36	mm
Dot Size(W X H)	0.33X0.33	mm

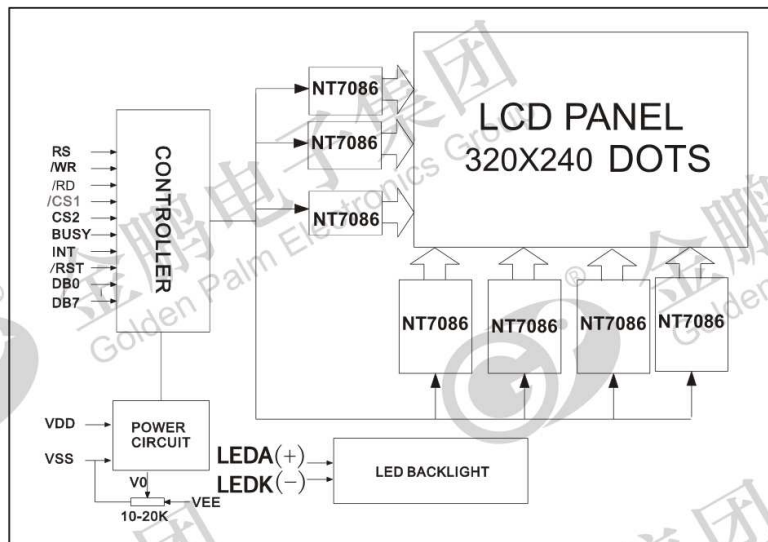
ELECTRICAL CHARACTERISTICS (V_{DD}=5V±0.25V)

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Input High Voltage	V _{IH}	--	V _{DD} -2.5	--	5.5	V
Input Low Voltage	V _{IL}	--	0	--	0.7	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}	--	--	100	120	mA

PIN CONNECTIONS (J1)

Pin	Symbol	Level	Function
1	VSS	0V	Ground
2	VDD	+3/5V	Power supply
3	V _O	--	Operating voltage for LCD drive
4	RS	H/L	H : Data L : DDRAM
5	R/W(WR)	H/L (L)	H : Read L : Write
6	E/(RD)	H (L)	Enable Signal
7	/CS1	L	Active when Cs1 is low and CS2 is high
8	CS2	H	
9	BUSY	H/L	H:can't access data L:can access data
10	INT	H/L	Interrupt signal
11	RESET	L	Reset signal
12~19	DB0~DB7	H/L	Data Bus Line
20	VEE	--	Negative Voltage Output
21	LED+	--	LED Backlight Power Supply
22	LED-	--	
J5			
1	DCLK	H/L	External clock input
2	/CS	L	Chip Select Signal
3	DIN	H/L	Serial data output
4	STA	H/L	H:Busy L:Ready for input
5	DOUT	H/L	Serial data output
6	/INT	L	interruption output port
7	IN3	H/L	Additional input1
8	IN4	H/L	Additional input2

BLOCK DIAGRAM



LED BACKLIGHT SPECIFICATIONS (Ta=25 °C)

Item	Symbol	Typ.	Max.	Unit
Forward Voltage	V _f	5	5.2	V
Forward Current	I _f	550	--	mA
Emission Wave Length	λ _p	568	--	nm