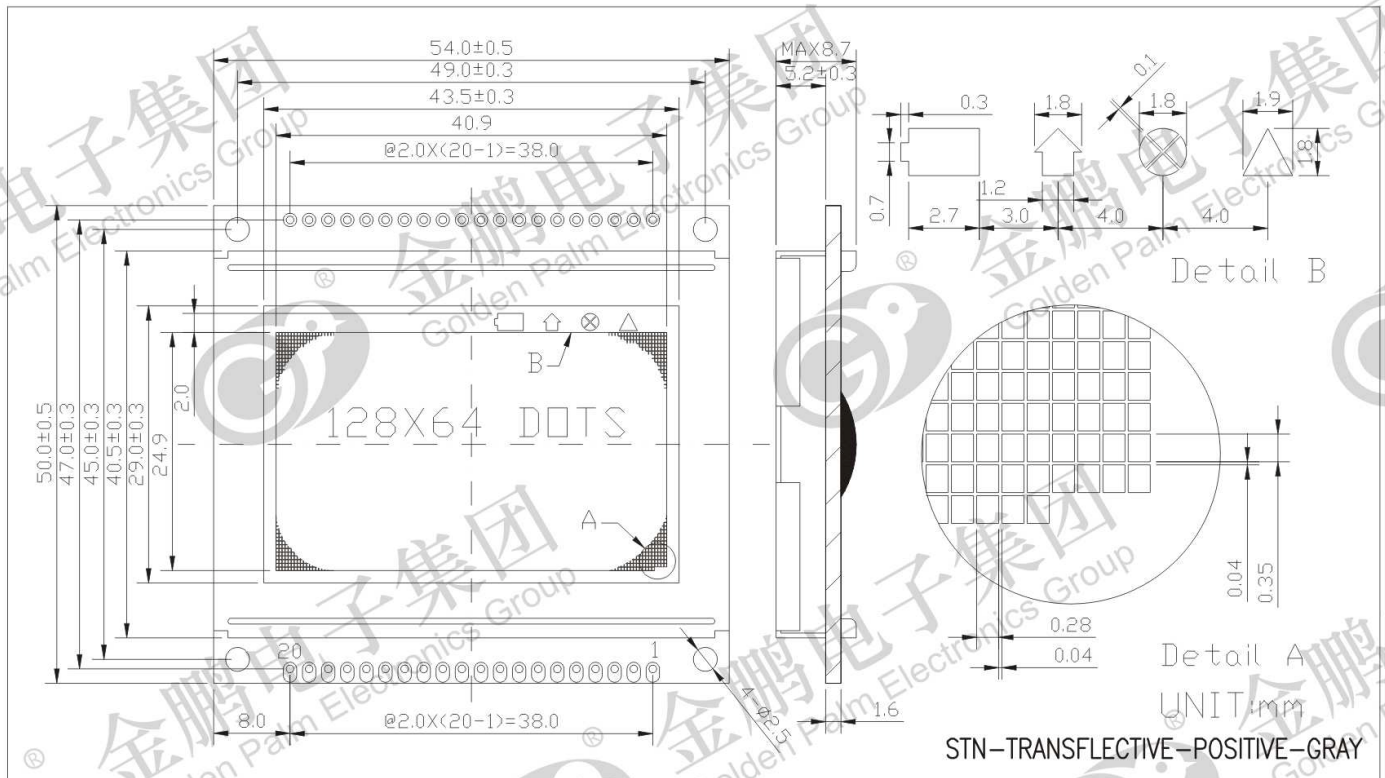




OCM12864-5 128 X 64 dots

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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	V _{DD} -19	V _{DD} +0.3	V
Input Voltage	V _I	0	V _{DD}	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)	54X50X8.7	mm
Viewing Area(W X H)	43.5X29.3	mm
Dot Pitch(W X H)	0.39X0.32	mm
Dot Size(W X H)	0.35X0.28	mm

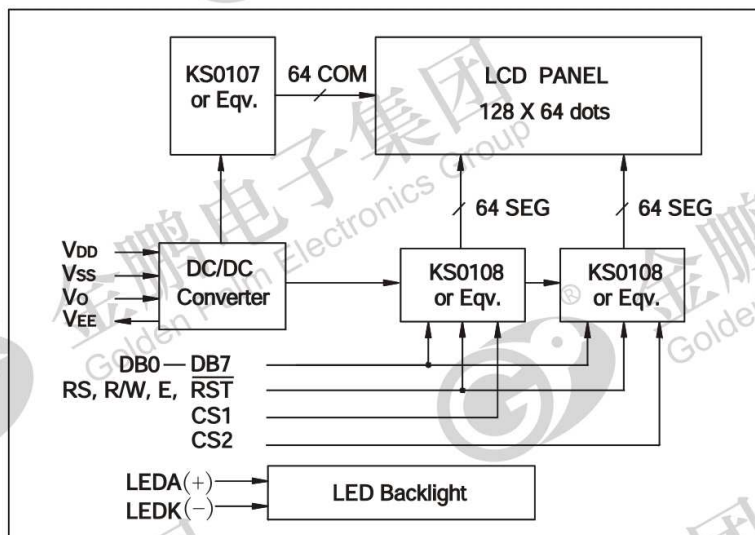
ELECTRICAL CHARACTERISTICS (V_{DD}=5V±0.25V)

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Input High Voltage	V _{IH}	--	0.7V _{DD}	--	V _{DD}	V
Input Low Voltage	V _{IL}	--	V _{SS}	--	0.3V _{DD}	V
Output High Voltage	V _{OH}	I _{OH} = -200uA	2.4	--	--	V
Output Low Voltage	V _{OL}	I _{OL} = 1.6mA	--	--	0.4	V
Supply Current	I _{DD}	V _{DD} = 5.0 V	--	1	1.5	mA
LCD Driving Voltage	V _{DD} -V _O	T _a = 25 °C	--	4.5	5.0	V

PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V _{SS}	--	GND (0V)
2	V _{DD}	--	Supply Voltage for Logic(+5V)
3	V _O	--	Supply Voltage for LCD
4	RS	H/L	H : Data L : Instruction Code
5	R/W	H/L	H Read L Write
6	E	H	Enable Signal
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	CS1	H	Chip Selection for IC1
16	CS2	H	Chip Selection for IC2
17	RESET	L	Reset Signal,Active Low
18	V _{out}	--	Output Voltage for Lcd Driving
19	LED+	--	LED Backlight Power Supply
20	LED-	--	

BLOCK DIAGRAM



LED BACKLIGHT SPECIFICATIONS (T_a=25 °C)

Item	Symbol	Typ.	Max.	Unit
Forward Voltage	V _f	3.1	3.3	V
Forward Current	I _f	30	--	mA
Emission Wave Length	λ _p	568	--	nm