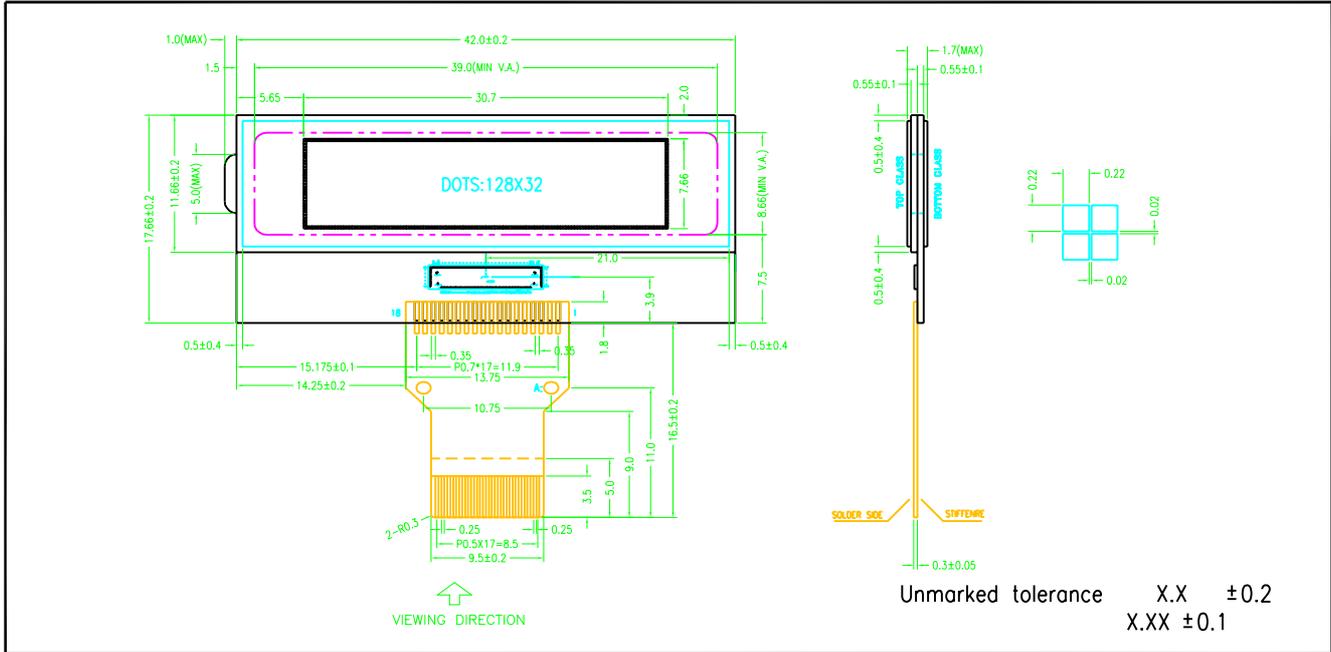
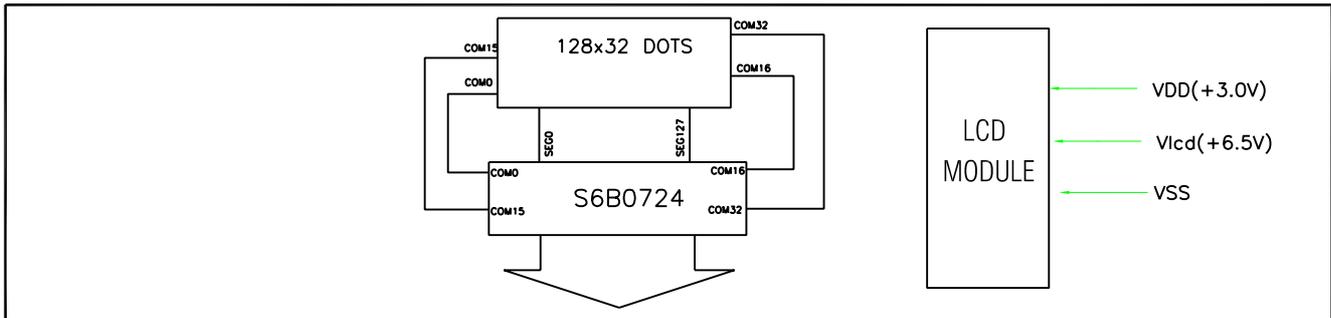


OUTLINE DIMENSIONS



BLOCK DIAGRAM & POWER SUPPLY



MECHANICAL SPECIFICATIONS & FEATURE

Item	Normal Dimensions(mm)	FEATURE	
Module Size (W*H*T)	42.0x34.16x1.7	LCD Type	STN、FSTN
View Area (W*H)	39.0x8.66	LCD Colour	STN:Yellow-Green、Gray FSTN:Gray
DotsxDots(W*H)	128x32	View Angle	6 O'clock、12 O'clock
Dot Pitch (W*H)	0.24x0.24	Display Type	Positive Type、Negative Type
Dot Size (W*H)	0.22x0.22	Rear polarizer	Transflective、Reflective、Transflective
---	---	Operating Temperature	0°C ~ 50°C、-20°C ~ 70°C
---	---	Backlight	With EL Backlight or without Backlight

ELECTRICAL CHARACTERISTICS

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Operating Voltage	Vdd	Ta=25°C	---	3.0	---	V
Operating Voltage for LCD	Vlcd	Ta=25°C	---	6.5	---	V
Supply Current	Idd	Ta=25°C, Vdd=3.0V	---	---	---	mA
Supply Current for Backlight	If	---	---	---	---	mA

INTERFACE PIN CONNECTIONS

Pin No	Symbol	Level	Description
1	CS1	--	Chip select input pins
2	RES	--	Register select input pin
3	RS	--	Register select input pin
4	SCLK	--	serial input clock
5	SID	--	serial input data
6	VDD	--	Power supply for LCM
7	VSS	--	GND
8	VOUT	--	Voltage converter input / output pin Connect this pin to VSS through capacitor.
9	CAP3+	--	Capacitor positive connection pins for voltage converter.
10	CAP1-	--	
11	CAP1+	--	
12	CAP2+	--	
13	CAP2-	--	
14-17	V1-V4	--	LCD driver supply voltages
18	V0	--	

REMARK
