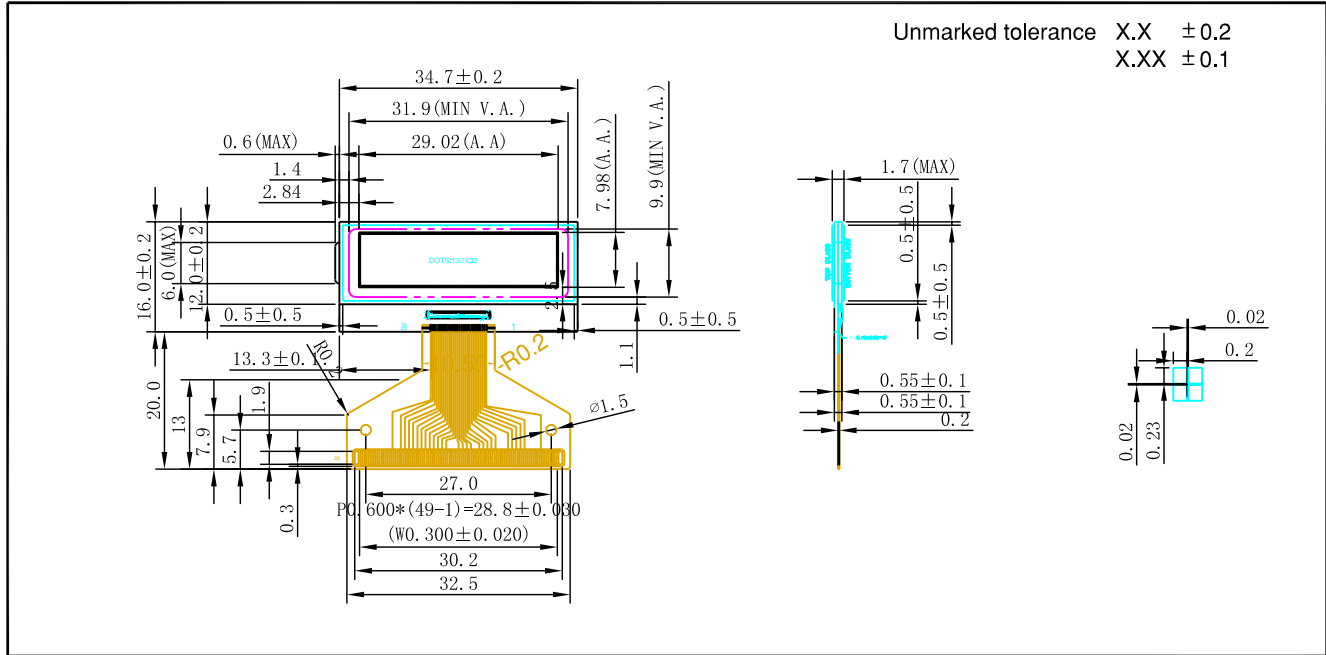
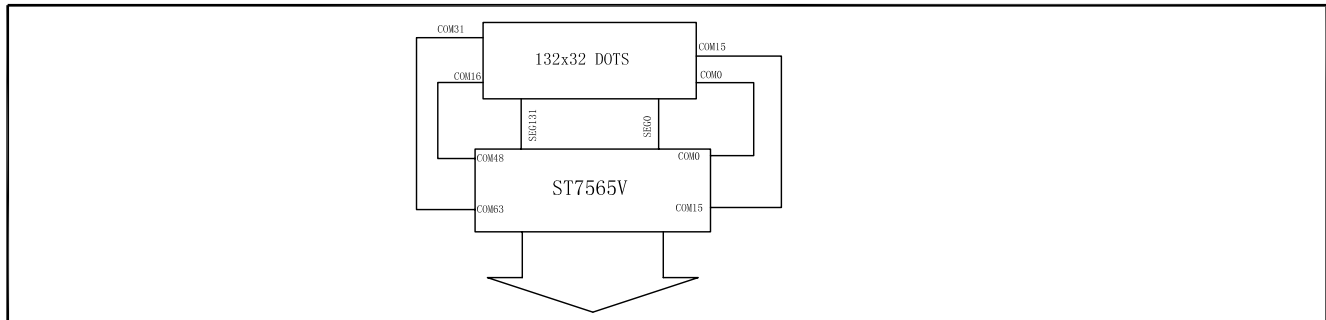


OUTLINE DIMENSIONS



BLOCK DIAGRAM & POWER SUPPLY



MECHANICAL SPECIFICATIONS & FEATURE

Item	Normal Dimensions(mm)	FEATURE	
Module Size (W*H*T)	34.7x36.0x1.7	LCD Type	STN、FSTN
View Area (W*H)	31.9x9.9	LCD Colour	STN:Yellow-Green、Gray FSTN:Gray
DotsxDots (W*H)	132x32	View Angle	6 O'clock、12 O'clock
Dot Pitch (W*H)	0.22x0.25	Display Type	Positive Type、Negative Type
Dot Size (W*H)	0.20x0.23	Rear polarizer	Transmissive、Reflective、Transflective
---	---	Operating Temperature	0°C ~ 50°C、-10°C ~ 60°C
---	---	Backlight	With EL Backlight or without Backlight

ELECTRICAL CHARACTERISTICS

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Operating Voltage	Vdd	Ta=25°C	---	3.0V	---	V
Operating Voltage for LCD	Vlcd	Ta=25°C	---	8.8V	---	V
Supply Current	Idd	Ta=25°C, Vdd=3.0V	---	---	1.5mA	mA
Supply Current for Backlight(--)	If	Ta=25°C	---	---	---	mA

INTERFACE PIN CONNECTIONS

Pin No	Symbol	Level	Description	Pin No	Symbol	Level	Description
1-4	NC	--	NC	19	CAP1+	--	Capacitor 1 positive connection pin
5	C86	--	MPU interface selection (H:68-series MPU L:80-series MPU)	20	CAP3-	--	Capacitor 3 negative connection pin
6-8	NC	--	NC	21,26,27,40	NC	--	NV
9	V5	--	LCD driver supply voltages Voltages should have the following relationship: V1 ≥ V2 ≥ V3 ≥ V4 ≥ V5 ≥ VSS	22	Vout	--	Voltage converter input/output pin
10	V4	--		23	VSS	--	Ground for Logic
11	V3	--		24	VDD2	--	Shared with the MPU power supply terminal Vcc.
12	V2	--		25	VDD	--	
13	V1	--		28-35	DB7-DB0	H/L	Data bus lines
14-15	NC	--	NC	36	E/RD	L	Read signal
16	CAP2+	--	Capacitor 2 positive connection pin	37	R/W-WR	L	Write signal
17	CAP2-	--	Capacitor 2 negative connection pin	38	A0	H/L	Register selection
18	CAP1-	--	Capacitor 1 negative connection pin	39	/RES	L	Reset signal
				41	/CS1	L	Chip selection
				42-49	NC	-	NC

REMARK
