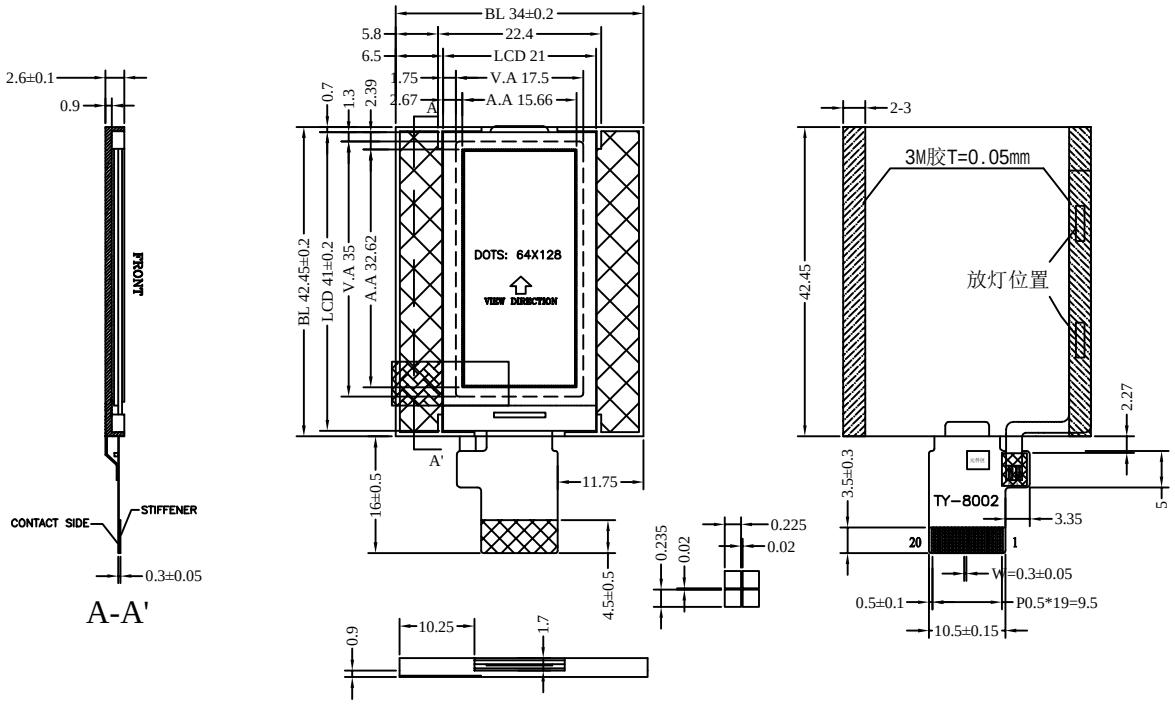
DSM12864-233

128 X 64 Dots 1/64duty 1/9bias



ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage(Logic)	VDD	3.0	3.6	V
Supply Voltage(LCD)	V0-XV0	-0.3	13.0	V
Input Voltage	Vi	-0.3	VDD+0.3	V
Operating Temp.	Topr	-20	70	℃
Storage Temp.	Tstg	-30	80	℃

MECHANICAL DATA

Item	Max.	Unit
Module Size (W X H X T)	34 X 42.45 X 2.6	mm
Viewing Area(W X H)	17.5 X 35.0	mm
Dot Pitch(W X H)	0.245X 0.255	mm
Dot Size(W X H)	0.225X 0.235	mm
View Angle	6 O'Clock	

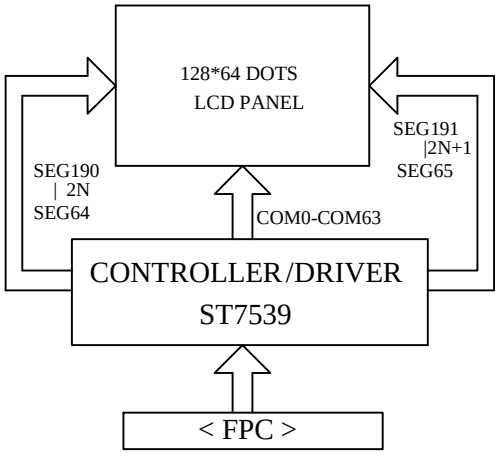
ELECTRICAL CHARACTERISTICS (Vdd=3.0V±0.3V)

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Input High Voltage	Vih	--	0.7VDD	--	VDD	V
Input Low Voltage	Vil	--	VSS	--	0.3VDD	V
Output High Voltage	Voh	--	0.8VDD	--	VDD	V
Output Low Voltage	Vol	--	VSS	--	0.2VDD	V
Current consumption	Idd	Vdd=3.0V	--	150	--	μA
LCD Driving Voltage	V0	Ta=25℃	--	9.0	--	V

PIN CONNECTIONS

Pin	Symbol	Function
1	LEDK	Backlight Ground
2	LEDA	Power Supply for Backlight(+3.3V)
3	GND	Ground
4	VDD	Power Supply for Logic(+3.3V)
5~6	NC	
7	/CS	Chip select pin
8	/RST	Reset signal input
9	RS	
10	SCL	Serial clock input.
11	SDA	Serial data input.
12~19	NC	
20	GND	Ground

BLOCK DIAGRAM



Display Type

LCD	Blacklight
FSTN/Positive/Transmissive	WHITE/2.8V/12mA