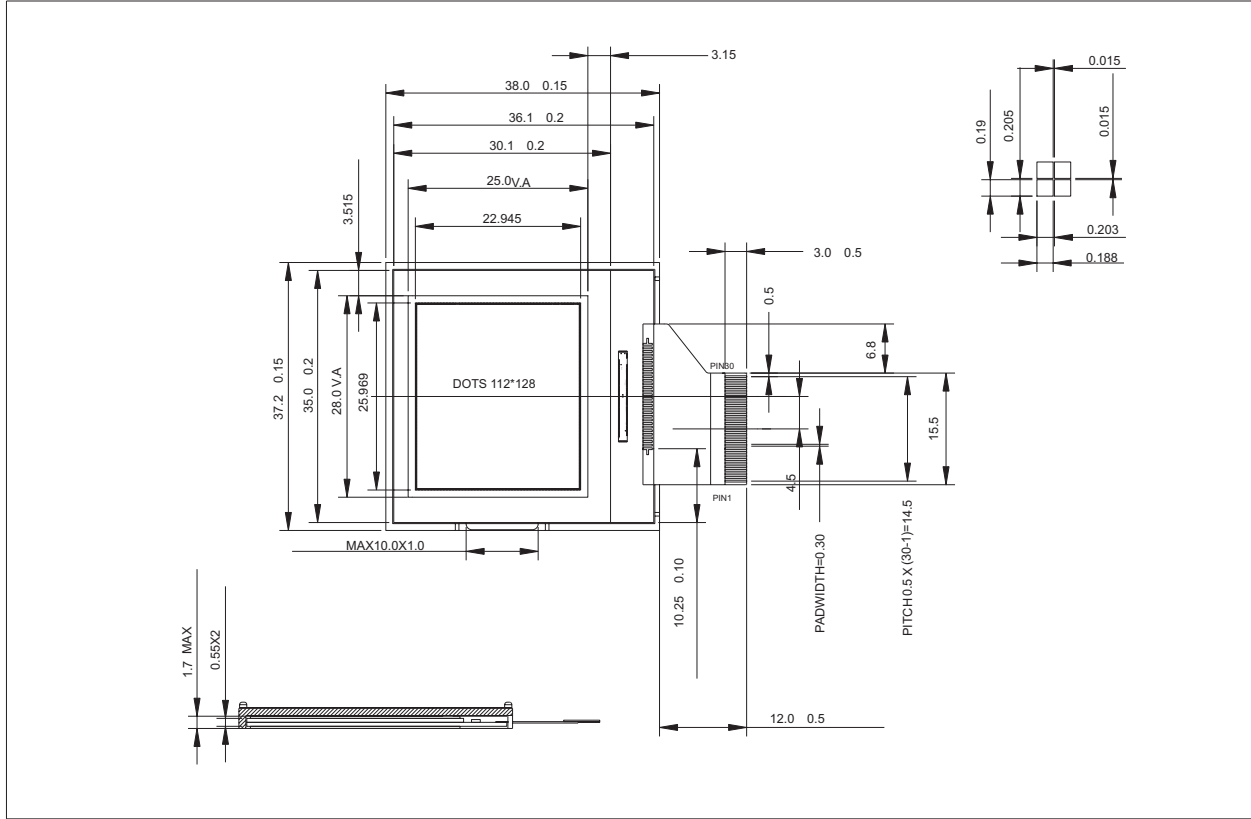


## YMS112128-01

112 x 128DOTS  
1/112DUTY, 1/12BIAS

### 1 EXTERNAL DIMENSION AND DISPLAY PATTERN



### 2 MECHANICAL DATA

ITEM	SPECIFICATION	UNIT
Module Size(W*H*T)	50.0 37.2	mm
Viewing Area(W*H)	28.0 25.0	mm
Number of Dots	112 128 with Cursor	mm
Dot Pitch (W*H)	0.205 0.203	mm
Dot Size (W*H)	0.19 0.188	mm

### 3 PIN CONNECTIONS

PIN No.	SYMBOL	FUNCTION
1	RST	Reset input pin
2	CSB	Chip select input pin
3	RS	Identify The Data or a Command.
4	WR	Write signal
5	RD	Read signal
6-13	D0-D7	The 8-bit bi-directional data bus to be connected to the MCU in parallel interface mode
14	VDD	Chip's power supply pin
15	VSS	Ground
16	VOUT	Chip's power supply pin
17-24	DUMMY	No Connect
25	V4	LCD driving voltage levels
26	V3	LCD driving voltage levels
27	V2	LCD driving voltage levels
28	V1	LCD driving voltage levels
29-30	DUMMY	No Connect

### 4 ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	MIN	MAX	UNIT
Supply Voltage Logic	VDD-VSS	-0.5	+5.0	V
Intut Voltage	VIN	-0.5	+15	V
Operating Temp		See page 9		
Storage Temp		See page 9		

### 5 ELECTRICAL CHARACTERISTICS(Ta=25 °C )

ITEM	SYMBOL	CONDITION	SPEC.VALUE			UNIT
			MIN.	TYP.	MAX.	
Supply Voltage (Logic)	V <sub>cc</sub> -V <sub>ss</sub>		1.7	3.0	3.3	V
Supply Current (Logic)	I <sub>cc</sub>	V <sub>cc</sub> =3V	-	2.6	3.0	mA
Input Voltage	HIGH	V <sub>ih</sub>	0.7V <sub>cc</sub>	-	V <sub>cc</sub>	V
	LOW	V <sub>il</sub>	V <sub>ss</sub>	-	0.3V <sub>cc</sub>	V
Output Voltage	HIGH	V <sub>oh</sub>	0.7V <sub>cc</sub>	-	V <sub>cc</sub>	V
	LOW	V <sub>ol</sub>	V <sub>ss</sub>	-	0.3V <sub>cc</sub>	V
LCD Operating Voltage	V <sub>cc</sub> -V <sub>0</sub>	V <sub>cc</sub> =3V Ta=25 °C	-	14.0	-	V
Supply Voltage LCD Drive	I <sub>ee</sub>		-	0.8	-	mA