

OLED DISPLAY SPECIFICATION



RAYSTAR

RAYSTAR Optronics, Inc.
曜凌光電股份有限公司



曜凌光電股份有限公司 Raystar Optronics, Inc.

T: +886-4-2565-0761 | F: +886-4-2565-0760

salescontact@raystar-optronics.com | www.raystar-optronics.com

REX001602B

General Specification

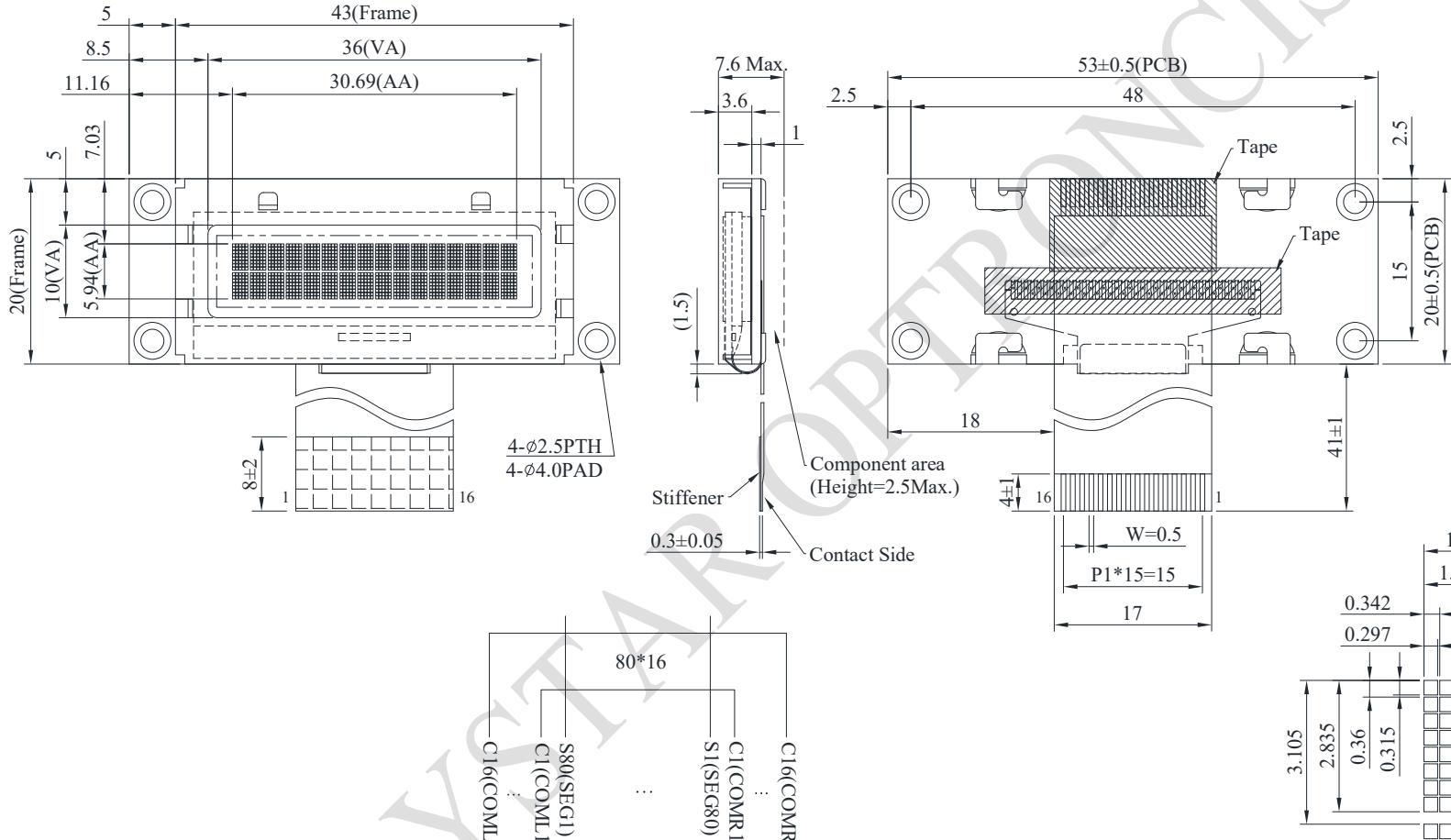
The Features is described as follow:

- Module dimension: 53.0 x 20.0 x 7.6 (MAX) mm
- View area: 36.0 x 10.0 mm
- Active area: 30.69 x 5.94 mm
- Number of Characters :16 Characters x 2 Line
- Dot size: 0.30 x 0.32 mm
- Dot pitch: 0.34 x 0.36 mm
- Character size: 1.66 x 2.84 mm
- Character pitch: 1.94 x 3.11 mm
- Duty: 1/16
- Display Color: Monochrome
- IC: RS0012
- Interface: 6800
- Size: 1.23 inch

Interface Pin Function

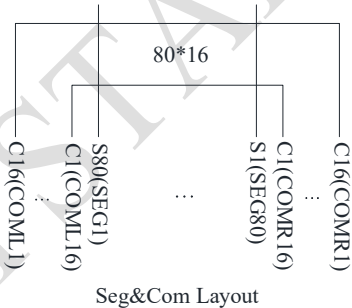
Pin No.	Symbol	I/O	Description
1	VSS	0V	Ground
2	VDD	3.3V	Supply Voltage for logic
3	NC	—	No connection
4	RS	H/L	H: DATA, L: Instruction code
5	R/W	H/L	H: Read (Module --> MPU) L: Write(MPU --> Module)
6	E	H,H→L	Chip enable signal
7	DB0	H/L	Data bit 0
8	DB1	H/L	Data bit 1
9	DB2	H/L	Data bit 2
10	DB3	H/L	Data bit 3
11	DB4	H/L	Data bit 4
12	DB5	H/L	Data bit 5
13	DB6	H/L	Data bit 6
14	DB7	H/L	Data bit 7
15	NC	—	No connection
16	NC	—	No connection

Contour Drawing



PIN	SYMBOL
1	VSS
2	VDD
3	NC
4	RS
5	R/W
6	E
7	DB0
8	DB1
9	DB2
10	DB3
11	DB4
12	DB5
13	DB6
14	DB7
15	NC
16	NC

Bezel flattened with PCB.



The non-specified tolerance of dimension is ±0.3mm.

Absolute Maximum Ratings

Item	Symbol	Min	Max	Unit
Operating Temperature	TOP	-40	+80	°C
Storage Temperature	TST	-40	+85	°C
Supply Voltage For Logic	VDD-V _{SS}	-0.3	3.6	V

Electrical Characteristics

DC Electrical Characteristics

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage For Logic	VDD-VSS	—	3.0	3.3	3.5	V
Input High Volt.	V _{IH}	—	0.8xVDD	—	VDD	V
Input Low Volt.	V _{IL}	—	GND	—	0.2xVDD	V
Output High Volt.	V _{OH}	I _{OH} =-0.5mA	0.8xVDD	—	VDD	V
Output Low Volt.	V _{OL}	I _{OL} =0.5mA	GND	—	0.2xVDD	V
Display 50% Pixel on	I _{DD}	VDD=3.3V	—	25	38	mA