



RAYSTAR

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RX240160A

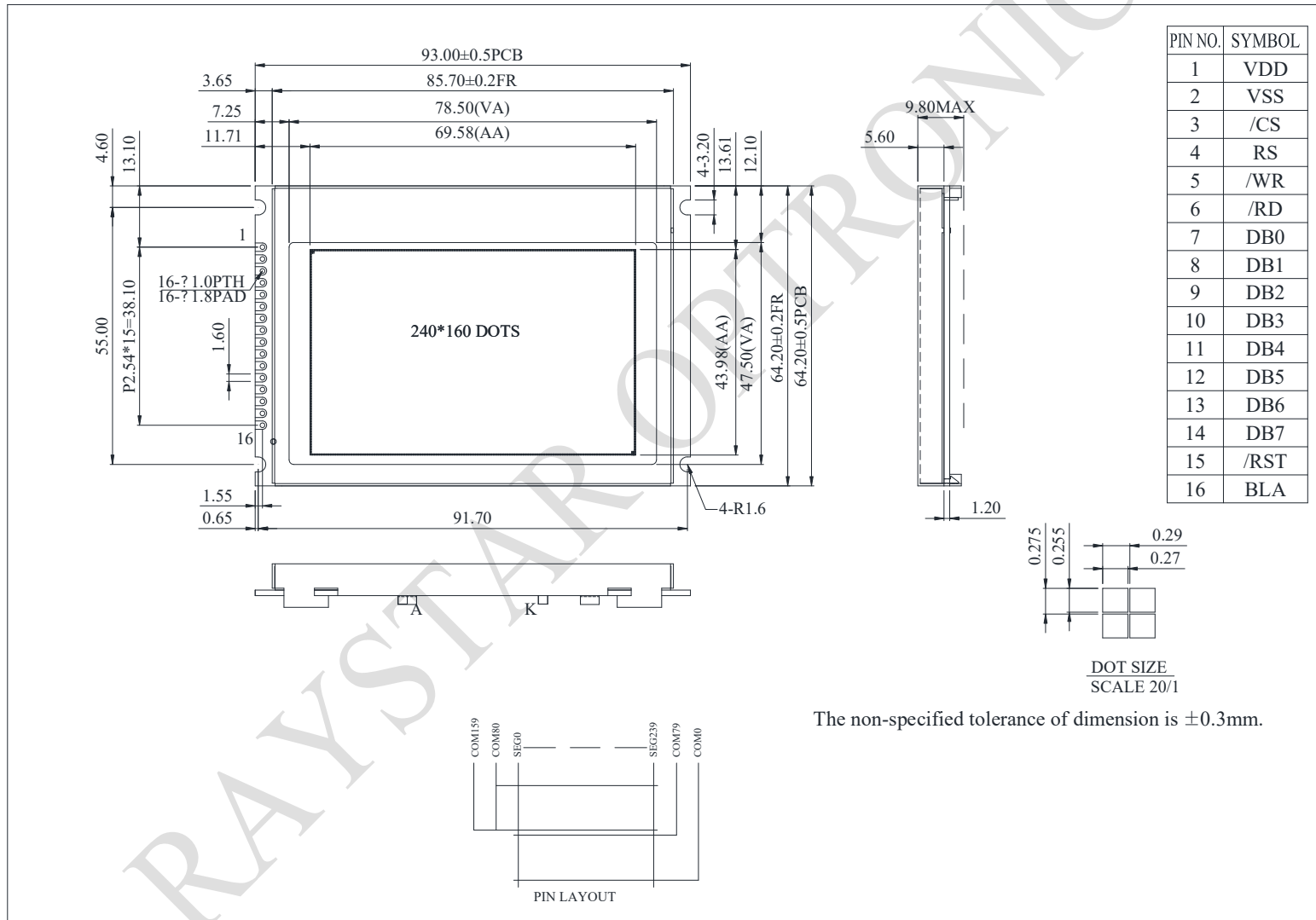
General Specification

- Module dimension: 93.0 x 64.2 x 9.8 (max.) mm
- View area: 78.5 x 47.5mm
- Active area: 69.58 x 43.98 mm
- Number of dots: 240 x 160
- Dot size: 0.27 x 0.255 mm
- Dot pitch: 0.29 x 0.275 mm
- Duty: 1/160
- Backlight Type: LED
- IC: ST7529
- Interface: 80 series

Interface Pin Function

Pin No.	Symbol	Level	Description
1	VDD		Power supply (+3.3V)
2	VSS		Power supply
3	/CS	L	Chip enable active " L "
4	RS	H / L	H : Data , L : Instruction
5	/WR	L	Write enable input,active Low
6	/RD	L	Read enable input,active Low
7	DB0	H/L	Data bus line
8	DB1	H/L	Data bus line
9	DB2	H/L	Data bus line
10	DB3	H/L	Data bus line
11	DB4	H/L	Data bus line
12	DB5	H/L	Data bus line
13	DB6	H/L	Data bus line
14	DB7	H/L	Data bus line
15	/RST		Reset input pin /RST =Low, initialization is executed
16	BLA	Power	Backlight Positive Power Supply

Contour Drawing



Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	T _{OP}	-20	—	+70	°C
Storage Temperature	T _{ST}	-30	—	+80	°C
Supply voltage for Logic	V _{DD} -V _{SS}	-0.5	—	4.0	V
LCD Driver Voltage	V _O	-0.5	—	V _{DD} +0.5	V

Electrical Characteristics

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage For Logic	V _{DD} -V _{SS}	—	3.0	3.3	3.6	V
Supply Voltage For LCM	V _O -V _{SS}	T _a =-20°C	—	—	—	V
		T _a =25°C	14.3	14.5	14.8	V
		T _a =70°C	—	—	—	V
Input High Volt.	V _{IH}	—	0.7V _{DD}	—	V _{DD}	V
Input Low Volt.	V _{IL}	—	V _{SS}	—	0.3V _{DD}	V
Output High Volt.	V _{OH}	—	V _{DD} -0.4	—	—	V
Output Low Volt.	V _{OL}	—	V _{SS}	—	0.4	V
Supply Current(No include LED Backlight)	I _{DD}	V _{DD} =3.3V	—	4.8	—	mA