



RAYSTAR

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RX160160B

General Specification

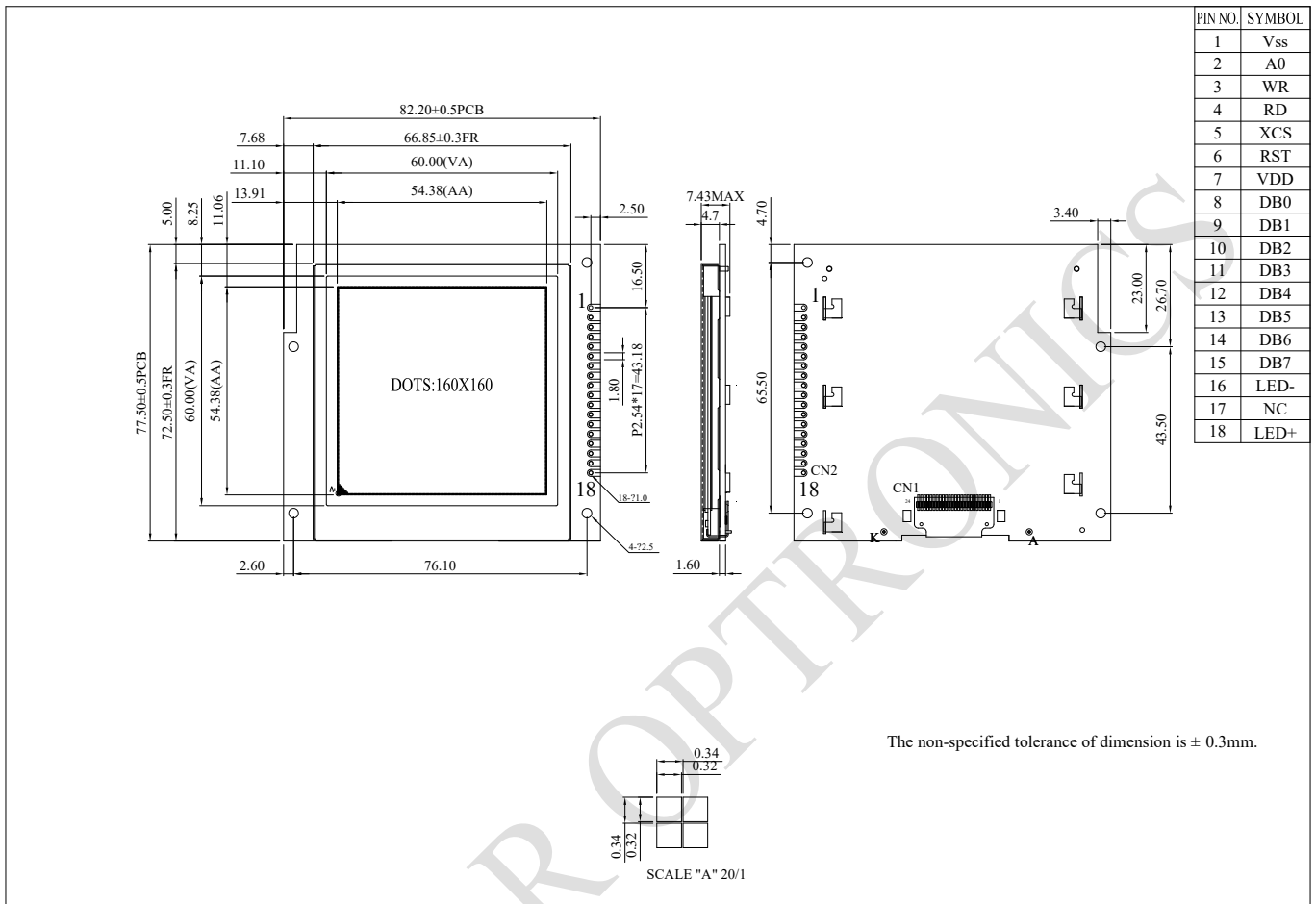
The Features is described as follow:

- Module dimension: 82.2x 77.5 x7.43 (max.) mm
- View area: 60.0 x 60.0 mm
- Active area: 54.38 x 54.38 mm
- Number of dots: 160 x 160
- Dot size: 0.32 x 0.32 mm
- Dot pitch: 0.34 x 0.34 mm
- Duty: 1/160
- Backlight Type: LED
- IC: UC1698

Interface Pin Function

Pin No.	Symbol	Level	Description
1	VSS	—	Ground
2	AO	H/L	Date type select H:Data L:Instruction
3	WR	L	Write Operation of the host interface
4	RD	L	Read Operation of the host interface
5	XCS	L	Chip select PIN
6	RST	L	Reset signal
7	VDD	—	Power supply for Logic
8	DB0	H/L	Data bus line
9	DB1	H/L	Data bus line
10	DB2	H/L	Data bus line
11	DB3	H/L	Data bus line
12	DB4	H/L	Data bus line
13	DB5	H/L	Data bus line
14	DB6	H/L	Data bus line
15	DB7	H/L	Data bus line
16	LED-	—	Power supply for backlight negative
17	NC	—	No connection
18	LED+	—	Power supply for backlight position

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}	-0.3	—	4.0	V
LCD Driver Voltage	V _O -V _{SS}	-0.3	—	+19.8	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	16.2	16.5	16.8	V
		T _a =70°C	—	—	—	V
Input High Volt.	V _{IH}	—	0.8V _{DD}	—	V _{DD}	V
Input Low Volt.	V _{IL}	—	—	—	0.2 V _{DD}	V
Output High Volt.	V _{OH}	—	0.8 V _{DD}	—	V _{DD}	V
Output Low Volt.	V _{OL}	—	—	—	0.2V _{DD}	V
Supply Current (No include LED Backlight)	I _{DD}	V _{DD} =3.3V	—	3.3	—	mA