RAYSTAR

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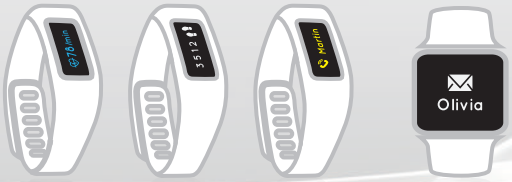

OLED Display Manufacturer

Your best partner of display solutions

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OLED Display Module - COB / COG

Item	Type	Size	Outline	Module	View Area	Active Area	Pixel Pitch	Power Supply	Interface	IC
REC000802A	Character	1.20"	58.00×32.00	COB	38.00×16.00	28.16×11.86	0.60×0.70	5V	default 6800, option 8080, SPI	RS0010
REC001602A	Character	2.29"	80.00×36.00	COB	66.00×16.00	56.95×11.85	0.60×0.70	5V	default 6800, option 8080, SPI	RS0010
REC001602C	Character	2.29"	85.00×36.00	COB	66.00×16.00	56.95×11.85	0.60×0.70	5V	default 6800, option 8080, SPI	RS0010
REC001602D	Character	2.29"	85.00×30.00	COB	66.00×16.00	56.95×11.85	0.60×0.70	5V	default 6800, option 8080	RS0010
REC001602E	Character	2.29"	84.00×44.00	COB	66.00×16.00	56.95×11.85	0.60×0.70	5V	default 6800, option 8080, SPI	RS0010
REC001602H	Character	3.67"	122.00×44.00	COB	98.00×21.00	91.14×18.98	0.96×1.12	5V	default 6800, option 8080, SPI	RS0010
REC002002A	Character	3.08"	116.00×37.00	COB	85.00×18.60	77.30×11.85	0.65×0.70	5V	default 6800, option 8080, SPI	RS0010
REC002004A	Character	2.88"	98.00×60.00	COB	77.00×25.20	70.16×20.95	0.59×0.60	5V	default 6800, option 8080, SPI	RS0010
REC002004B	Character	2.88"	98.00×60.00	COB	77.00×25.20	70.16×20.95	0.59×0.60	5V	default 6800, option 8080, SPI	RS0010
REC004002A	Character	5.85"	182.00×38.50	COB	154.40×16.50	148.13×11.85	0.62×0.70	5V	default 6800, option 8080, SPI	RS0010
REG005016A	Graphic	1.26"	58.00×32.00	COB	38.00×16.00	29.96×11.16	0.60×0.70	5V	default 6800, option 8080, SPI	RS0010
REG010016A	Graphic	2.40"	80.00×36.00	COB	66.00×16.00	59.95×11.15	0.60×0.70	5V	default 6800, option 8080, SPI	RS0010
REG010016C	Graphic	2.40"	85.00×36.00	COB	66.00×16.00	59.95×11.15	0.60×0.70	5V	default 6800, option 8080, SPI	RS0010
REG010016D	Graphic	2.40"	85.00×30.00	COB	66.00×16.00	59.95×11.15	0.60×0.70	5V	default 6800, option 8080	RS0010
REG010016E	Graphic	2.40"	84.00×44.00	COB	66.00×16.00	59.95×11.15	0.60×0.70	5V	default 6800, option 8080, SPI	RS0010
REG010016F	Graphic	2.59"	116.00×37.00	COB	85.00×18.60	64.95×11.15	0.65×0.70	5V	default 6800, option 8080, SPI	RS0010
REG010016J	Graphic	3.84"	122.0×44.0	COB	98.00×21.00	95.94×17.86	0.96×1.12	5V	6800	RS0010
REG010032A	Graphic	2.44"	98.00×60.00	COB	77.00×25.20	58.95×19.15	0.59×0.60	5V	default 6800, option 8080, SPI	RS0010
REG010032B	Graphic	2.44"	98.00×60.00	COB	77.00×25.20	58.95×19.15	0.59×0.60	5V	default 6800, option 8080, SPI	RS0010
REG020016A	Graphic	4.90"	182.00×38.50	COB	154.40×16.50	123.95×11.15	0.62×0.70	5V	default 6800, option 8080, SPI	RS0010
REX001602B	Character (W PCB)	1.23"	53.00×20.00	COG	36.00×10.00	30.69×5.94	0.34×0.36	5V	default 6800, option 8080, SPI	RS0012
REX001602C	Character (W/O FR)	2.26"	68.50×17.50	COG	58.22×13.52	56.22×11.52	0.60×0.70	3V/5V	6800, 8080, SPI, I2C	SSD1311M1Z
REX001602G	Character (W PCB)	2.26"	84.00×44.00	COG	58.22×13.52	56.22×11.52	0.60×0.70	3V/5V	default 6800, option 8080, SPI	SSD1311M1Z
REX002002A	Character (W/O FR)	2.93"	84.50×19.28	COG	75.52×13.52	73.52×11.52	0.65×0.70	3V/5V	6800, 8080, SPI, I2C	SSD1311M1Z
REX004864A	Graphic (W/O FR)	0.71"	13.90×22.00	COG	12.14×16.30	10.54×14.70	0.22×0.23	3V	I2C	SSD1306BZ
REX006432A	Graphic (W/O FR)	0.49"	14.50×11.60	COG	12.58×6.58	11.18×5.58	0.18×0.18	3V	I2C	SSD1306BZ
REX006448A	Graphic (W/O FR)	0.66"	18.46×18.10	COG	15.42×12.06	13.42×10.06	0.21×0.21	3V	6800, 8080, SPI, I2C	SSD1306BZ
REX009616A	Graphic (W/O FR)	0.84"	29.10×9.20	COG	23.10×5.50	21.10×3.50	0.22×0.22	3V	I2C	SSD1306BZ
REX009632B	Graphic (W/O FR)	0.68"	19.80×12.32	COG	17.298×6.418	16.298×5.418	0.17×0.17	3V	6800, 8080, SPI, I2C	SSD1305
REX009664B	Graphic (W/O FR)	1.10"	29.00×22.50	COG	24.54×17.02	22.53×15.01	0.235×0.235	3V	6800, 8080, SPI, I2C	SSD1327
REX012832A	Graphic (W/O FR)	2.23"	62.00×24.00	COG	57.02×15.10	55.02×13.10	0.43×0.41	3V	6800, 8080, SPI, I2C	SSD1305Z
REX012832D	Graphic (W/O FR)	0.91"	30.00×11.50	COG	24.38×7.58	22.38×5.58	0.18×0.18	3V	SPI	SSD1306BZ
REX012832F	Graphic (W/O FR)	0.91"	30.00×11.50	COG	24.38×7.58	22.38×5.58	0.18×0.18	3V	I2C	SSD1306BZ
REX012832G	Graphic (W/O FR)	1.71"	50.50×15.75	COG	44.22×12.54	42.22×10.54	0.33×0.33	3V	SPI, I2C	SSD1307ZD
REX012832K	Graphic (W/O FR)	2.03"	59.00×18.86	COG	52.535×12.695	50.535×10.695	0.395×0.335	3V	6800, 8080, SPI, I2C	SSD1315
REX012864A	Graphic (W/O FR)	1.54"	42.04×27.22	COG	37.05×19.52	35.05×17.51	0.27×0.27	3V	6800, 8080, SPI, I2C	SSD1309Z
REX012864C	Graphic (W/O FR)	0.96"	26.70×19.26	COG	23.34×11.46	21.74×10.86	0.17×0.17	3V	6800, 8080, SPI, I2C	SH1106G
REX012864D	Graphic (W/O FR)	0.96"	26.70×19.26	COG	23.94×12.06	21.74×10.86	0.17×0.17	3V	6800, 8080, SPI, I2C	SSD1306BZ
REX012864G	Graphic (W/O FR)	2.42"	60.50×37.00	COG	57.01×28.91	55.01×27.49	0.43×0.43	3V	6800, 8080, SPI, I2C	SSD1309ZC
REX012864H	Graphic (W/O FR)	2.42"	60.50×37.00	COG	57.01×28.91	55.01×27.49	0.43×0.43	3V	6800, 8080, SPI, I2C	SSD1309ZC
REX012864J	Graphic (W PCB)	2.42"	75.00×52.70	COG	57.01×29.49	55.01×27.49	0.43×0.43	3V	default 8080,option 6800, SPI, I2C	SSD1309ZC
REX012864K	Graphic (W/O FR)	2.70"	73.00×41.86	COG	63.41×32.69	61.41×30.69	0.48×0.48	3V	6800, 8080, SPI, I2C	SSD1309ZC
REX012864Q	Graphic (W/O FR)	2.70"	73.00×41.86	COG	63.41×32.69	61.41×30.69	0.48×0.48	3V	6800, 8080, SPI, I2C	SSD1309
REX012864L	Graphic (W/O FR)	1.29"	34.50×23.00	COG	31.32×15.61	29.42×14.20	0.23×0.22	3V	6800, 8080, SPI, I2C	SH1106G
REX012864M	Graphic(W/O FR)	0.96"	26.70×19.26	COG	23.74×13.20	21.74×11.20	0.17×0.17	3V	6800, 8080, SPI, I2C	SSD1306BZ
REX012864U	Graphic(W/O FR)	2.70"	73.00×41.86	COG	63.41×32.69	61.41×30.69	0.48×0.48	3V	6800, 8080, SPI, I2C	SSD1357
REX012864Y	Graphic (W/O FR)	1.54"	45.24×29.14	COG	37.05×19.51	35.05×17.51	0.274×0.274	3V	6800, 8080, 4-wire, SPI, I2C	SSD1309
REX128128A	Graphic (W/O FR)	1.50"	33.80×36.50	COG	28.86×28.86	26.86×26.86	0.21×0.21	3V	6800, 8080, SPI, I2C	SSD1327ZB
REX128128B	Graphic (W/O FR)	1.18"	36.98×41.23	COG	32.00×32.00	30.00×30.00	0.23×0.23	3V	6800, 8080, SPI, I2C	SSD1327ZB

OLED Display Module - TAB

Item	Type	Size	Outline	Module	View Area	Active Area	Pixel Pitch	Power Supply	Interface	IC
RET025664A	Graphic (W/O FR)	2.80"	84.00×25.80	TAB	71.10×19.26	69.10×17.26	0.27×0.27	3V	6800, 8080, SPI	SSD1322UR1
RET025664B	Graphic (W/O FR)	3.12"	88.00×27.80	TAB	78.78×21.18	76.78×19.18	0.30×0.30	3V	6800, 8080, SPI	SSD1322UR1
RET025664D	Graphic (W/O FR)	5.50"	146.00×45.00	TAB	137.65×35.89	135.65×33.89	0.53×0.53	3V	6800, 8080, SPI	SSD1322UR1

TFT LCD Module

Resolution	Size	P/N	Outline	View Area	Active Area	Interface	Touch Screen	Built-in Controller	High Brightness
80×160	0.96"	RFA300960A	13.50×27.95	11.40×22.27	10.8×21.696	SPI	No	ST7735S	N
128×160	1.77"	RFA180F	34.00×45.83	31.83×41.42	28.03×35.04	MCU	No	ST7735S	N
240×320	2.4"	RFJ240F	42.72×60.26	37.72×49.96	36.72×48.96	MCU	No	ILI9341	N
240×320	2.4"	RFJ240H	42.72×60.26	37.72×49.96	36.72×48.96	MCU	No	ILI9341	N
240×320	2.4"	RFJ240K	42.72×60.26	37.72×49.96	36.72×48.96	SPI	No	HX8347-I	N
240×320	2.4"	RFJ240L	42.72×60.26	38.72×51.16	36.72×48.96	SPI / MCU	No	ILI9341	Y
240×320	2.8"	RFJ280E	50.00×69.20	44.20×58.60	43.2×57.6	MCU	No/RTP	ILI9341	N
240×320	2.8"	RFJ280G	50.00×69.20	44.20×58.60	43.2×57.6	SPI	No	HX8347-I	N
240×320	2.8"	RFJ280J	50.2×69.7	44.20×58.60	43.2×57.6	SPI / MCU	RTP/PCAP	ILI9341	N
240×320	2.83"	RFJ02830A	53.1×71.1	44.80×59.00	43.2×57.6	SPI / MCU / RGB	No	HX8367-A	N
320×240	3.5"	RFC350L	76.90×63.90	73.10×55.50	70.08×52.56	RGB	RTP/PCAP	NA / SSD1963	Y
320×240	3.5"	RFC350M	100.00×66.44	73.10×55.60	70.08×52.56	UART / SPI	No/RTP	PIC24	N
Mono 240×320	3.5"	RFJ350N	62.90×86.54	56.16×73.04	53.28×71.04	MCU	No	ST7511	N
320×240	3.5"	RFC350P	93.50×66.44	73.10×55.56	70.08×52.56	MCU	RTP/PCAP	RA8875	Y
320×240	3.5"	RFC350Q	93.50×66.44	73.10×55.56	70.08×52.56	MCU	RTP/PCAP	SSD1963	Y
320×240	3.5"	RFC350T	76.90×63.90	72.88×55.36	70.08×52.56	RGB	No	NA	N
320×480	3.5"	RFI350U	54.50×83.00	49.76×74.24	48.96×73.44	MCU	No	ILI9488	N
240×320	3.5"	RFJ350W	61.80×88.50	55.28×73.04	53.28×71.04	MCU	No	HX8347-A	Y
320×240	3.5"	RFC350X	76.84×63.84	73.1×55.5	70.08×52.56	RGB	RTP/PCAP	ST7272A	Y
320×240	3.5"	RFC350Y	76.90×63.90	73.10×55.50	70.08×52.56	RGB	No/RTP	NA	Y
480×128	3.9"	RFS390B	105.50×37.00	97.04×27.34	95.04×25.34	RGB	RTP/PCAP	NA / HX8347-A	Y
480×128	3.9"	RFS390Q	122.00×44.00	97.04×27.34	95.04×25.34	MCU	No/PCAP	SSD1963	Y
800×480	3.97"	RFO400C	57.14×96.85	52.84×87.40	51.84×86.4	MIPI DSI	No	ST7701S	N
480×272	4.3"	RFE430G	105.50×67.20	98.90×57.70	95.04×53.856	RGB / MCU	RTP/PCAP	NA / SSD1963	Y
480×272	4.3"	RFE43DM	125.50×67.20	98.90×57.70	95.04×53.86	UART / SPI	RTP/PCAP	PIC24	N
480×272	4.3"	RFE43DP	106.70×83.98	98.80×57.50	95.04×53.856	MCU	RTP	RA8875	Y
480×272	4.3"	RFE43DQ	106.70×83.98	98.80×57.50	95.04×53.856	MCU	RTP/PCAP	SSD1963	Y
480×272	4.3"	RFE430S	105.50×67.20	98.70×57.20	95.04×53.856	RGB	No	NA	N
480×272	4.3"	RFE430T	105.50×67.20	98.70×57.20	95.04×53.86	RGB	No	NA	N
480×272	4.3"	RFE430U	105.40×67.10	98.48×57.19	95.04×53.856	RGB	No/PCAP	NA / ST7282-G4-1L	Y
480×272	4.3"	RFE430V	105.50×67.10	98.90×57.70	95.04×53.856	RGB	RTP/PCAP	ST7282-G4-1L/ST7282	Y
480×272	4.3"	RFE430W	105.50×67.20	98.16×56.856	95.04×53.856	RGB	RTP/PCAP	SC7283	Y
480×272	4.3"	RFE430Y	105.50×67.20	98.90×57.70	95.04×53.856	RGB	No/RTP	NA	Y
800×320	4.6"	RFT46AA	120.70×56.16	110.60×47.00	108×43.2	RGB	No	NA	N
800×480	5.0"	RFF500B	120.70×76.30	110.70×67.50	108×64.8	RGB / HDMI	RTP/PCAP	NA / LI6122+ILI5960 / TFP401	Y
720×1280	5.0"	RF3500D	66.10×120.40	66.10×120.40	62.1×110.4	MIPI DSI	No/PCAP	NA / ILI98881C	Y
800×480	5.0"	RFF500E	121.00×77.40	110.70×67.40	108×64.8	RGB	No	HX8249-A+HX8678-C	Y
800×480	5.0"	RFF500F	120.70×75.80	110.70×67.40	108×64.8	RGB	RTP/PCAP	ST7262	Y
800×480	5.0"	RFF500Q	120.70×75.80	110.70×67.50	108.0×64.8	MCU	No	SSD1963	Y

TFT LCD Module

Resolution	Size	P/N	Outline	View Area	Active Area	Interface	Touch Screen	Built-in Controller	High Brightness
480×128	5.2"	RFS520A	140.40×49.87	133.40×39.40	127.152×33.9072	RGB / HDMI	RTP/PCAP	ST7252 / TFP401	Y
480×128	5.2"	RFS520Q	180.00×65.00	133.00×39.00	127.152×33.9072	8080 / MCU	No/PCAP	SSD1963	Y
320×240	5.7"	RFC570B	160.00×109.00	118.28×88.64	115.2×86.4	RGB / LVDS	RTP/PCAP	NA	Y
320×240	5.7"	RFC570C	143.50×104.10	118.60×88.90	115.2×87.6	RGB	No/RTP	NA	N
320×240	5.7"	RFC570D	126.00×101.55	117.90×89.10	115.2×86.4	RGB	RTP/PCAP	NA	Y
320×240	5.7"	RFC570E	141.12×101.55	117.90×89.10	115.2×86.4	RGB	RTP/PCAP	NA	Y
640×480	5.7"	RFG570F	125.00×98.80	117.50×88.70	115.2×86.4	RGB	No/RTP	NA	N
320×240	5.7"	RFC57BM	141.12×101.55	117.90×89.10	115.2×86.4	UART / SPI	RTP/PCAP	PIC24	N
320×240	5.7"	RFC570P	141.12×101.55	117.90×89.10	115.2×86.4	MCU	RTP/PCAP	RA8875	Y
320×240	5.7"	RFC570Q	141.12×101.55	117.90×89.10	115.2×86.4	MCU	RTP/PCAP	SSD1963	Y
320×240	5.7"	RFC570R	144.00×89.40	118.20×89.40	115.2×86.4	RGB	No	NA	N
Mono 320×240	5.7"	RFC570S	160.00×109.00	118.28×88.64	115.2×86.4	MCU	RTP/PCAP	ST7511	Y
320×240	5.7"	RFC570Y	141.12×101.55	117.90×89.10	115.2×86.4	RGB	No/RTP	NA	N
Mono 640×320	6.2"	RFP620A	170.32×88.30	141.60×73.40	140×70	MCU	No	ST7511	N
800×480	7.0"	RFF700A2	165.00×100.00	157.00×90.10	154.08×85.92	RGB	RTP/PCAP	ST-5623	Y
800×480	7.0"	RFF700A4	165.80×106.61	154.90×93.80	152.4×91.44	RGB	No	NT51632+NT52601TT	Y
1024×600	7.0"	RFH700A7	164.80×99.80	154.2144×85.92	154.2144×85.92	LVDS / HDMI	No/PCAP	EK79001HE+EK73215BCGA /TFP401	Y
800×480	7.0"	RFF700G	165.00×100.00	157.00×89.50	154.08×85.92	RGB / HDMI	RTP/PCAP	NA/HX8264+HX8664 /TFP401	Y
800×480	7.0"	RFF700H	165.00×104.80	155.30×94.30	152.4×91.44	RGB	RTP/PCAP	NA	Y
800×480	7.0"	RFF700P	165.00×100.00	157.00×89.50	154.08×85.92	MCU	RTP/PCAP	RA8875	Y
800×480	7.0"	RFF700Q	165.00×100.00	157.00×89.50	154.08×85.92	MCU	RTP/PCAP	SSD1963	Y
800×480	7.0"	RFF700R	164.90×100.00	156.70×89.10	154.08×85.92	RGB	RTP	NA	N
800×480	7.0"	RFF700Y	165.00×100.00	157.00×89.50	154.08×85.92	RGB	No/RTP	NA	Y
800×480	8.0"	RFF80AB	192.80×116.90	180.10×103.40	176.64×99.36	RGB	No/RTP	NA	N
800×480	8.0"	RFF800P	192.80×116.90	180.10×103.40	176.64×99.36	MCU	No/RTP	RA8875	N
800×480	8.0"	RFF800Q	192.80×116.90	180.10×103.40	176.64×99.36	MCU	No/RTP	SSD1963	N
480×1920	8.8"	RF8880B	—	218.88×54.72	218.88×54.72	MIPI DSI	No	—	N
1024×600	9.0"	RFH900B	200.01×117.55	196.608×114.15	196.608×114.15	LVDS	No	NA	N
1280×800	10.1"	RFK1010F	230.56×155.01	220.60×138.70	216.96×135.6	LVDS / HDMI	RTP/PCAP	NA/ILI2511/TFP401	Y
1280×800	10.1"	RFK1010G	229.34×148.98	220.06×138.70	216.96×135.6	LVDS	RTP/PCAP	NA	Y
800×480	10.2"	RFF1020A	235.00×145.80	225.30×135.70	222.0×132.48	RGB	No/RTP	NA	N
800×480	10.2"	RFF1020P	235.00×145.80	225.30×135.70	222×132.48	MCU	No/RTP	RA8875	N
800×480	10.2"	RFF1020Q	235.00×145.80	225.30×135.70	222×132.48	MCU	No/RTP	SSD1963	N
1024×768	12.1"	RFM1210E	260.50×8.40	249.00×187.50	245.76×184.32	LVDS	No	—	N
1920×720	12.3"	RFY1230B	308.10×130.00	—	292.032×109.512	LVDS	No	—	Y

TFT Display Applications

Character LCD Module

Resolution	Raystar P/N	Outline	View Area	Active Area	Dot Size	Character Size	Duty	Built-in Controller	Interface
8 x 2	RC0802A1	58×32	38×16	27.81×11.5	0.56×0.66	2.96×5.56	1/16	ST7066	6800, SPI, I2C
12 x 2	RC1202A	55.7×32	46×14.5	37.85×11.7	0.45×0.6	2.65×5.5	1/16	ST7066	6800, SPI, I2C
16 x 1	RC1601A	80×36	66×16	59.62×6.56	0.55×0.75	3.07×6.56	1/16	ST7066	6800, SPI, I2C
	RC1601B	85×28	66×16	59.62×6.56	0.55×0.75	3.07×6.56	1/16	ST7066	6800, SPI, I2C
	RC1601C	122×33	99×13	94.84×9.66	0.92×1.1	4.84×8.06	1/16	ST7066	6800, SPI, I2C
16 x 2	RC1602A	84×44	66×16	56.2×11.5	0.55×0.65	2.95×5.55	1/16	ST7066	6800, SPI, I2C
	RC1602B	80×36	66×16	56.2×11.5	0.55×0.65	2.95×5.55	1/16	ST7066	6800, SPI, I2C
	RC1602B1	80×36	66×16	56.2×11.5	0.55×0.65	2.95×5.55	1/16	ST7066	6800, SPI, I2C
	RC1602C	85×36	66×16	56.2×11.5	0.55×0.65	2.95×5.55	1/16	ST7066	6800, SPI, I2C
	RC1602D	85×30	66×16	56.2×11.5	0.55×0.65	2.95×5.55	1/16	ST7066	6800, SPI, I2C
	RC1602E	122×44	99×24	94.84×20	0.92×1.1	4.8×8.06	1/16	ST7066	6800, SPI, I2C
	RC1602F	85×32.6	66×16	56.2×11.5	0.55×0.65	2.95×5.55	1/16	ST7066	6800, SPI, I2C
	RC1602G	85×25.2	66×16	56.2×11.5	0.55×0.65	2.95×5.55	1/16	ST7066	6800, SPI, I2C
	RC1602G1	85×25.2	66×16	56.21×11.5	0.55×0.65	2.95×5.55	1/16	ST7066	6800, SPI, I2C
	RC1602H	59×29.3	52×15	46.7×9.84	0.45×0.54	2.45×4.67	1/16	ST7066	6800, SPI, I2C
	RC1602I	65.4×28.2	54.8×19	48.42×12.12	0.51×0.67	2.67×5.57	1/16	ST7066	6800, SPI, I2C
	RC1602M2	66.7×23.3	61×15.9	56.2×11.85	2.95×5.55	0.55×0.65	1/16	ST7066	6800, SPI, I2C
	RC1602O	80×36	66×16	56.2×11.5	0.55×0.65	2.95×5.55	1/16	ST7066	6800, SPI, I2C
16 x 4	RC1604A	87×60	62×26	56.2×20.8	0.55×0.55	2.95×4.75	1/16	ST7066	6800, SPI, I2C
	RC1604B	70.6×60	60×32.6	56.2×20.8	0.55×0.55	2.95×4.75	1/16	ST7066	6800, SPI, I2C
20 x 2	RC2002A	116×37	85×18.6	73.5×11.5	0.6×0.65	3.20×5.55	1/16	ST7066	6800, SPI, I2C
	RC2002B	89×21.5	75×15	68.5×10.7	0.55×0.6	2.95×5.15	1/16	ST7066	6800, SPI, I2C
	RC2002C	180×40	149×23	142.8×20.64	1.12×1.12	6.00×9.66	1/16	ST7066	6800, SPI, I2C
	RC2002D	146×43	123×23	118.84×18.97	0.92×1.1	4.84×9.22	1/16	ST7066	6800, SPI, I2C
20 x 4	RC2004A/A1	98×60	77×25.2	70.4×20.8	0.55×0.55	2.95×4.75	1/16	ST7066	6800, SPI, I2C
	RC2004B	77×47	60×22	55.1×17.56	0.42×0.46	2.30×4.03	1/16	ST7066	6800, SPI, I2C
	RC2004C	146×62.5	123.5×43	118.84×38.47	0.92×1.1	4.84×9.22	1/16	ST7066	6800, SPI, I2C
	RC2004D	87×58	74.4×24.8	70.4×20.8	0.55×0.55	2.95×4.75	1/16	ST7066	6800, SPI, I2C
	RC2004E	87×58	74.4×24.8	70.4×20.8	0.55×0.55	2.95×4.75	1/16	ST7066	6800, SPI, I2C
24 x 2	RC2402A	118×36	94.5×16	88.3×11.5	0.6×0.65	3.20×5.55	1/16	ST7066	6800, SPI, I2C
40 x 2	RC4002A	182×33.5	154.4×16.5	147.5×11.5	0.6×0.65	3.20×5.55	1/16	ST7066	6800, SPI, I2C
40 x 4	RC4004A	190×54	147×29.5	140.45×23.16	0.5×0.55	2.78×4.89	1/16	ST7066	6800, SPI, I2C

Graphic LCD Module

Resolution	Raystar P/N	Outline	View Area	Active Area	Dot Size	Dot Pitch	Duty	Built-in Controller	Interface
122 x 32	RG12232A/A1	84×44	60×18	53.64×15.64	0.4×0.45	0.44×0.49	1/32	SBN1661G	6800
	RG12232A2	84×44	60×18	53.64×15.64	0.4×0.45	0.44×0.49	1/32	ST7920	6800, SPI
	RG12232B/B2	65.4×28.2	54.8×19	48.76×15.32	0.36×0.41	0.4×0.45	1/32	SBN1661G	6800
	RG12232B1	65.4×28.2	54.8×19	48.76×14.32	0.36×0.41	0.4×0.45	1/32	SBN1661G	6800
	RG12232B3	65.4×28.2	54.8×19	48.76×15.32	0.36×0.41	0.4×0.45	1/32	ST7920	6800, SPI
	RG12232C	59×29.3	52×15	45.72×11.97	0.345×0.345	0.375×0.375	1/32	SBN1661G	6800
	RG12232C1	59×29.3	52×15	45.72×11.97	0.345×0.345	0.375×0.375	1/32	SBN1661G	6800
	RG12232C2	59×32.1	52×15	45.72×11.97	0.345×0.345	0.375×0.375	1/32	SBN1661G	6800
	RG12232C3	50×29.3	52×15	45.72×11.97	0.345×0.345	0.375×0.375	1/32	ST7920	6800, SPI
	RG12232D	77.8×27.2	60×18	53.64×15.64	0.4×0.45	0.44×0.49	1/32	SBN1661G	6800
	RG12232E/E1	80×36	60×18	53.64×15.64	0.4×0.45	0.44×0.49	1/32	SBN1661G	6800

Graphic LCD Module

Resolution	Raystar P/N	Outline	View Area	Active Area	Dot Size	Dot Pitch	Duty	Built-in Controller	Interface
128 x 64	RG12864A	93×70	72×40	66.52×33.24	0.48×0.48	0.52×0.52	1/64	NT7107, NT7108	6800
	RG12864A2	93×70	72×40	66.52×33.24	0.48×0.48	0.52×0.52	1/32	ST7920	6800, SPI
	RG12864B	75×52.7	58.8×31.4	55.01×27.49	0.4×0.4	0.43×0.43	1/64	NT7107, NT7108	6800
	RG12864C	78×70	62×44	56.3×38.38	0.42×0.58	0.44×0.6	1/64	NT7107, NT7108	6800
	RG12864C1	78×70	62×44	56.3×38.38	0.42×0.58	0.44×0.6	1/64	RA6963	8080
	RG12864D	80×70	72×40	66.52×33.24	0.48×0.48	0.52×0.52	1/64	NT7107, NT7108	6800
	RG12864E	113×53	72×40	66.52×33.24	0.48×0.48	0.52×0.52	1/64	NT7107, NT7108	6800
	RG12864F	95.5×50.2	72×40	66.52×33.24	0.48×0.48	0.52×0.52	1/64	NT7107, NT7108	6800
	RG12864H/H1	54×50	43.5×29	40.92×26.92	0.28×0.35	0.32×0.39	1/64	NT7107, NT7108	6800
128 x 128	RG128128A	85×100	62×62	55.01×55.01	0.4×0.4	0.43×0.43	1/128	RA6963	8080
	RG128128I	72.5×69.9	50×49	44.77×44.77	0.32×0.32	0.35×0.35	1/128	RA6963	8080
144 x 32	RG14432A	85×36	66×16	60.44×13.4	0.38×0.38	0.42×0.42	1/32	ST7920	6800, SPI
	RG14432B	80×36	66×16	60.44×13.4	0.38×0.38	0.42×0.42	1/32	ST7920	6800, SPI
	RG14432D	85.5×30	66×16	60.44×13.4	0.38×0.38	0.42×0.42	1/32	ST7920	6800, SPI
160 x 32	RG16032A	85.2×55	74×22	70.36×19.47	0.4×0.56	0.44×0.61	1/32	SBN1661G	6800, 8080
	RG16032C	85.2×55	72×22	70.36×19.47	0.4×0.56	0.44×0.61	1/32	SBN1661G	6800, 8080
	RG16032E	122×44	99×24	95.95×19.15	0.55×0.55	0.6×0.6	1/32	ST7920	6800, SPI
160 x 80	RG16080B1	100×54	72×40	67.17×33.57	0.39×0.39	0.42×0.42	1/80	RA6963	8080
	RG16080D	93×70	72×40	67.17×33.57	0.39×0.39	0.42×0.42	1/80	RA6963	8080
160 x 128	RG160128A	129×102	101×82	95.96×76.76	0.56×0.56	0.6×0.6	1/128	RA6963	8080
	RG160128A1	129×102	101×82	95.96×76.76	0.56×0.56	0.6×0.6	1/128	RA6963	8080
	RG160128B	150×112	101×82	95.96×76.76	0.56×0.56	0.6×0.6	1/128	RA6963	8080
160 x 160	RG160160A	89.2×85	62×62	60.78×60.78	0.36×0.36	0.38×0.38	1/160	NO	No controller
	RG160160D	85×100	62×62	60.78×60.78	0.36×0.36	0.38×0.38	1/160	RA8822	6800, 8080
192 x 32	RG19232A	116×37	85×18.6	80.6×15.96	0.38×0.46	0.42×0.5	1/32	ST7920	6800, SPI
	RG19232A1	116×37	85×18.6	80.6×15.96	0.38×0.46	0.42×0.5	1/32	ST7920	6800, SPI
192 x 64	RG19264A	120×62	102×39	96×32	0.46×0.46	0.5×0.5	1/64	NT7107, NT7108	6800
	RG19264A1	130×65	102×39	96×32	0.46×0.46	0.5×0.5	1/64	NT7107, NT7108	6800
	RG19264B	150×62.5	123.5×43	120.92×40.28	0.59×0.59	0.63×0.63	1/64	NT7107, NT7108	6800
192 x 128	RG192128C	102.3×86	78.5×55	71.02×47.34	0.35×0.35	0.37×0.37	1/128	RA6963	8080
202 x 32	RG20232A	146×43	123×23	119.16×18.86	0.57×0.57	0.59×0.59	1/32	SBN1661G	6800, 8080
240 x 64	RG24064A	180×65	180×65	133×39	0.49×0.49	0.53×0.53	1/64	RA6963	RG24064A
	RG24064A2	180×65	180×65	133×39	0.49×0.49	0.53×0.53	1/64	RA6963	RG24064A2
	RG24064A4	180×65	180×65	132.6×39	0.48×0.48	0.53×0.53	1/64	RA6963	RG24064A4
	RG24064B	180×60	180×60	137×44	0.5×0.5	0.53×0.53	1/64	RA6963	RG24064B
240 x 128	RG240128A	170×93.4	128×74	119.97×63.97	0.47×0.47	0.5×0.5	1/128	RA6963	8080
	RG240128B	144×104	144×64	107.98×57.58	0.43×0.43	0.45×0.45	1/128	RA6963	8080
	RG240128B1	144×104	144×64	107.98×57.58	0.43×0.43	0.45×0.45	1/128	RA6963	8080
320 x 240	RG320240A	160×109	122×92	115.18×86.38	0.34×0.34	0.36×0.36	1/240	NO	No controller
	RG320240A1	160×109	122×92	115.18×86.38	0.34×0.34	0.36×0.36	1/240	RA8835	6800, 8080
	RG320240A2	160×109	122×92	115.18×86.38	0.34×0.34	0.36×0.36	1/240	S1D13700	6800, 8080
	RG320240B	148.02×120.24	120.14×92.14	115.18×86.38	0.34×0.34	0.36×0.36	1/240	RA8835	6800, 8080
	RG320240B1	148.02×120.24	120.14×92.14	115.18×86.38	0.34×0.34	0.36×0.36	1/240	S1D13700	6800, 8080
	RG320240C	142×96	104×79.3	95.97×71.97	0.27×0.27	0.3×0.3	1/240	NO	No controller
	RG320240C1	142×96	104×79.3	95.97×71.97	0.27×0.27	0.3×0.3	1/240	RA8835	6800, 8080
	RG320240C4	139×100	104×79.3	95.97×71.97	0.27×0.27	0.3×0.3	1/240	RA8835	6800, 8080

COG LCD Module

Resolution	Raystar P/N	Outline	View Area	Active Area	Dot Size	Dot Pitch	Duty	Built-in Controller	Interface
16 x 2	RX1602A2	72.1×29.6	61×15.1	56.2×11.5	0.55×0.65	0.6×0.7	1/16	ST7032i	6800, SPI, I2C
	RX1602A3	74.2×25.5	61×15.1	56.2×11.5	0.55×0.65	0.6×0.7	1/16	ST7032i	I2C
	RX1602A4	62.8×23	51.5×12.2	47.6×9.74	0.48×0.54	0.53×0.59	1/16	ST7032i	I2C
	RX1602A5	51.2×20.7	40×10	38×8	0.36×0.43	0.41×0.48	1/16	ST7032i	I2C
	RX1602B	85×30	76×18	73.81×15.88	0.75×0.9	0.79×0.97	1/16	ST7032i	I2C
20 x 2	RX2002A	74.2×25.2	61×15.1	58.5×9.84	0.45×0.54	0.50×0.59	1/16	ST7036i	I2C
20 x 4	RX2004A	74.3×36.4	60.5×22.18	58.5×20.18	0.45×0.54	0.50×0.59	1/33	SSD1803AM1Z	I2C
24 x 2	RX2402A	86.2×24.7	72.3×11.84	70.3×9.84	0.45×0.54	0.50×0.59	1/17	RW1062	I2C
128 x 64	RX12864A1	60.1×44.5	54.6×32	49.89×27.49	0.36×0.4	0.39×0.43	1/65	ST7565P	6800, 8080, SPI
	RX12864B	89.7×49.8	69×36.5	63.97×31.97	0.47×0.47	0.5×0.5	1/65	ST7565P	6800, 8080, SPI, I2C
	RX12864C2	55.2×39.8	45.2×27	40.92×24.28	0.28×0.34	0.32×0.38	1/64	ST7565P	6800, 8080, SPI
	RX12864D2	90×52.8	70.7×38.8	66.52×33.24	0.48×0.48	0.52×0.52	1/64	ST7565P	6800, 8080, SPI
	RX12864D3	80×54	70.7×38.8	66.52×33.24	0.48×0.48	0.52×0.52	1/64	ST7565P	6800, 8080, SPI
	RX12864H	80×54	70.7×38.8	66.52×33.24	0.48×0.48	0.52×0.52	1/65	ST7567-G	6800, 8080, SPI
	RX12864T	38×26.42	29.58×16.22	25.58×14.06	0.18×0.20	0.20×0.20	1/65	ST7565P	6800, 8080, SPI
	RX12864U	58.2×44.7	52×33.5	47.76×30.29	0.40×0.35	0.42×0.37	1/64	ST7565P	6800, 8080, SPI
144 x 64	RX14464A5	80×54	70.7×38.8	64.78×33.26	0.43×0.5	0.45×0.52	1/64	RA8816N	6800, 8080, SPI
160 x 160	RX160160A	83.8×76.5	60×60	54.38×54.38	0.32×0.32	0.34×0.34	1/160	UC1698U	6800, 8080
	RX160160B	82.2×77.5	60×60	54.38×54.38	0.32×0.32	0.34×0.34	1/160	UC1698U	6800, 8080
240 x 64	RX24064A1	142.5×51.7	130.2×37.6	127.17×33.89	0.5×0.5	0.53×0.53	1/64	ST7565P	6800, 8080, SPI
	RX24064B	142.5×51.7	129×37.6	127.17×33.89	0.5×0.5	0.53×0.53	1/64	ST7586S-G4	6800, 8080, SPI
	RX24064C	111.4×45.5	106.2×31.2	103.17×27.49	0.4×0.4	0.43×0.43	1/64	ST7586S	6800, 8080, SPI
	RX24064D	86.2×39.3	80.8×24.8	76.78×20.46	0.3×0.3	0.32×0.32	1/64	ST7586S	6800, 8080, SPI
240 x 128	RX240128A	98.7×67.7	92×53	83.975×44.775	0.325×0.325	0.35×0.35	1/128	UC1608	6800, 8080, SPI
	RX240128B	122.2×79.8	114×64	107.98×57.58	0.43×0.43	0.45×0.45	1/128	ST7586S	6800, 8080, SPI
240 x 160	RX240160A	93×64.2	78.5×47.5	69.58×43.98	0.255×0.27	0.275×0.29	1/160	ST7529	6800, 8080
256 x 128	RX256128A	80×54	70.7×38.8	66.54×33.26	0.24×0.24	0.26×0.26	1/128	ST75256	6800, 8080, SPI, I2C
320 x 240	RX320240A	160×109	120×90	115.17×86.37	0.33×0.33	0.36×0.36	1/240	NO	No controller
	RX320240B	160×109	120×90	115.17×86.37	0.33×0.33	0.36×0.36	1/240	RA8835	6800, 8080
	RX320240D	94.7×83.3	81.4×61.0	76.785×57.11	0.223×0.225	0.238×0.24	1/240	RA8835	8080,6800
	RX320240G	94.7×83.3	81.4×61.0	76.785×57.11	0.223×0.225	0.238×0.24	1/240	NO	8080,6800

VATN LCD Module

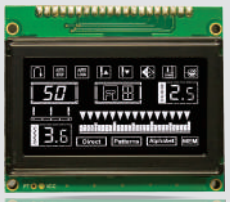
Resolution	Raystar P/N	Outline	View Area	Active Area	Dot Size	Character Size	Duty	Built-in Controller	Interface
8 x 2	RC0802A1	58×32	38×16	27.81×11.5	0.56×0.66	2.96×5.56	1/16	ST7066	6800, SPI, I2C
16 x 1	RC1601A	80×36	66×16	59.62×6.56	0.55×0.75	3.07×6.56	1/16	ST7066	6800, SPI, I2C
16 x 2	RC1602B	80×36	66×16	56.2×11.5	0.55×0.65	2.95×5.55	1/16	ST7066	6800, SPI, I2C
16 x 4	RC1604A	87×60	62×26	56.2×20.8	0.55×0.55	2.95×4.75	1/16	ST7066	6800, SPI, I2C
20 x 2	RC2002A2	115×36	85×18.6	73.5×11.5	0.60×0.65	3.20×5.55	1/16	ST7066	6800, SPI, I2C
20 x 4	RC2004A	98×60	77×25.2	70.4×20.8	0.55×0.55	2.95×4.75	1/16	ST7066	6800, SPI, I2C

OLED

- Character
  8x2, 16x2, 20x2, 40x2
- Graphic
  96x64, 100x16, 128x64, 128x128
- Icon - Custom Design 0.5”~ 0.6”

TFT

2.4”, 2.8”, 3.5”, 4.3”,
5”, 5.2”, 5.7”, 6.2”,
7”, 8”, 10.2” & 12.1”

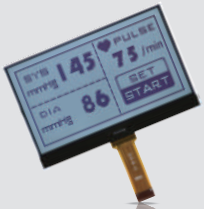


Custom Design

- LCD
- LCM
- TFT
- OLED

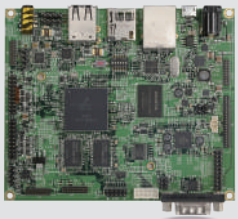
LCM

Monochrome Displays
- Character
  8x2, 16x2, 20x2,
  24x2, 40x2
- Graphic
  duty 1/32~1/240



COG

- Character
  16x2, 20x2, 24x2
- Graphic
  128x64, 240x160,
  320x 240



Embedded System

- Motherboard
- Android
- Linux

Total Solution

HMI Display and
Touch Panel Application
- RS232, RS485, SPI,
  Modbus interface
- Support touch or switch
- Multi-language optional

Raystar Optronics, Inc.

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