



BONA

Display Specialist

Graphic LCD module Series

Display Format	Part No	Variation	Dot Size (W x H mm)	Dot Pitch (W x H mm)	Viewing Area (W x H mm)	Outline Dimension (W x H x T mm)	Built-in Controller	Multiplex / Bias	Page
80 x 16	MG8016-01	LED	0.57 x 0.575	0.625 x 0.63	54.0 x 14.0	67.0x30.0x9.5	SED1520	1/16 duty 1/5 bias	41
120 x 32	MG12032-01	LED	0.42 x 0.60	0.47 x 0.65	62.00 x 22.50	68.1x32.9x7.6	SED1520	1/32 duty 1/5 bias	42
122 x 32	MG12232-01	Reflective	0.40 x 0.45	0.44 x 0.49	61.70 x 17.40	84.0x44.0x11.0	SED1520	1/32 duty 1/5 bias	43
		EL				84.0x44.0x11.0			
		LED				84.0x44.0x15.0			
	MG12232-11	Reflective	0.36 x 0.41	0.40 x 0.45	54.80 x 19.10	63.00x26.50x2.60	SED1520	1/32 duty 1/5 bias	44
MG12232-12	LED	0.36 x 0.41	0.40 x 0.45	54.80 x 19.10	65.60x29.20x5.50	SED1520	1/32 duty 1/5 bias	45	
128 x 32 +Icons	MG12832-01	Reflective	0.22 x 0.21	0.24 x 0.23	34.0 x 12.0	38.00x22.00x2.80	UC1606	1/33 duty 1/6 bias	46
128 x 64	MG12864-01	Reflective	0.48 x 0.48	0.52 x 0.52	70.90 x 39.10	93.0x70.0x11.0	KS0107B	1/64 duty 1/9 bias	47
		EL				93.0x70.0x11.0			
		LED				93.0x70.0x14.0			
	MG12864-02	Reflective	0.30 x 0.40	0.33 x 0.43	44.50 x 29.50	54.0x54.5x10.0	KS0107B	1/64 duty 1/9 bias	48
		EL				54.0x54.5x10.0			
		LED				54.0x54.5x10.0			
	MG12864-03	Reflective	0.34 x 0.38	0.37 x 0.41	54.00 x 31.00	59.00x39.50x3.00	KS0713	1/64 duty 1/9 bias	49
	MG12864-04	Reflective	0.20 x 0.20	0.22 x 0.22	31.0 x 16.5	35.0x27.5x2.0	SSD1815Z	1/64 duty 1/9 bias	50
		LED				36.7x29.2x4.55			
	MG12864-05	Reflective	0.30 x 0.30	0.33 x 0.33	50.00 x 29.00	55.0x43.0x2.6	S6B1713	1/64 duty 1/9 bias	51
		EL				55.0x43.0x2.6			
	MG12864-06	LED	0.48 x 0.48	0.52 x 0.52	70.70 x 38.80	93.7x52.4x5.5	SED1565	1/64 duty 1/9 bias	52
	MG12864-07	LED	0.48 x 0.48	0.52 x 0.52	70.70 x 38.80	93.2x70.0x8.2	SED1565	1/64 duty 1/9 bias	53
	MG12864-08	LED	0.48 x 0.48	0.52 x 0.52	70.70 x 38.80	87.0x52.9x5.5	SED1565	1/64 duty 1/9 bias	54
MG12864-09	LED	0.48 x 0.48	0.52 x 0.52	70.70 x 38.80	93.70x53.0x5.50	SED1565	1/64 duty 1/9 bias	55	
MG12864-10	LED	0.48 x 0.48	0.52 x 0.52	70.70 x 38.80	93.70x53.0x5.50	SED1565	1/64 duty 1/9 bias	56	
MG12864-16	LED	0.48 x 0.48	0.52 x 0.52	72.5 x 39.5	93.0x70.0x12.5	KS0107B	1/64 duty 1/9 bias	57	
MG12864-17	LED	0.48 x 0.48	0.52 x 0.52	72.0 x 40.0	93.0x70.0x13.5	KS0107B	1/64 duty 1/9 bias	58	
MG12864-18	LED	0.34 x 0.34	0.37 x 0.37	51.00 x 28.00	65.0x46.6x5.3	S6B1713	1/64 duty 1/9 bias	59	
128 x 128	MG128128-01	Reflective	0.39 x 0.39	0.43 x 0.43	62.00 x 62.00	85.0x100.0x11.0	KS0107B	1/64 duty 1/9 bias	60
		EL				85.0x100.0x11.0			
		LED				85.0x100.0x14.5			
240 x 64	MG24064-01	Reflective	0.48 x 0.48	0.53 x 0.53	132.60 x 39.0	180.0x75.00x11.0	KS0107B	1/64 duty 1/9 bias	61
		EL				180.0x75.00x11.0			
		LED				180.0x75.00x14.0			
	MG24064-02	Reflective	0.48 x 0.48	0.53 x 0.53	132.60 x 39.0	180.0x65.00x11.0	T6963C	1/64 duty 1/9 bias	62
		EL				180.0x65.00x11.0			
		LED				180.0x65.00x14.0			
	MG24064-04	Reflective	0.42 x 0.42	0.45 x 0.45	114.00 x 35.0	114.00 x 35.0	149.0x57.0x13.0	KS0108B	1/64 duty 1/9 bias
EL									

REMARKS:

- Most of the modules have normal and wide operation temperature options.
- For details, please consult our sales engineers or representatives.
- Specifications not listed here can be available upon request
- Temperature Range:

-Normal Temperature: Storage Temp. = -10 to +60 ; Operating Temp. = +0 to 50 .

-Wide Temperature: Storage Temp. = -30 to +80 ; Operating Temp. = -20 to 70 .

-Extended wide temperature: Storage Temp. = -35 to +85 ; Operating Temp. = -30 to 80 .



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240 x 96	MG24096-01	LED	0.51 x 0.64	0.55 x 0.68	134.8 x 68.0	151.50x99.0x10.3	S6A1713	1/64 duty 1/9 bias	64
240 x 128	MG240128-01	Reflective	0.40 x 0.40	0.45 x 0.45	114.8 x 64.6	144.0x104.0x11.0	T6963C	1/128 duty 1/12 bias	65
		EL				144.0x104.0x11.0			
		LED				144.0x104.0x14.6			
256 x 64	MG25664--01	Reflective	0.51 x 0.51	0.56 x 0.56	149.6 x 43.0	184.0x75.0x10.0	HD61830 KS0086	1/64 duty 1/9 bias	66
320 x 240	MG320240-01	EL	0.225x0.225	0.24 x 0.24	61.10 x 80.55	70.5x89.0x5.3	---	1/240duty 1/13 bias	67
	MG320240-21	CCFL	0.33 x 0.33	0.36 x 0.36	122.0 x 92.00	167.0x109.0x12.0	---	1/240 duty 1/17 bias	68
	MG320240-32	CCFL	0.27 x 0.27	0.30 x 0.30	103.0 x 79.00	139.0x120.0x13.2	---	1/240 duty 1/17 bias	69
	MG320240-33	CCFL	0.27 x 0.27	0.30 x 0.30	103.0 x 79.00	139.0x120.0x13.2	---	1/240 duty 1/17 bias	70
	MG320240-34	EL	0.33 x 0.33	0.36 x 0.36	122.0 x 92.00	160.0x109.0x8.5	SED1335	1/240 duty 1/17 bias	71
		LED				160.0x109.0x12.0			
CCFL		160.0x109.0x12.0							
LCD and LCM structure.....									72

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