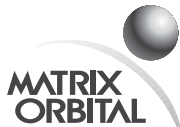


Display Format	Matching Bezel #	Pad Layout	Outline Dim. (mm) W x H x D	Display Area Dim. (mm) W x H	Character Size W x H (mm)	Dot Size (mm) W x H	Operating Temperature (°C)	Storage Temperature (°C)	Supply Voltage (V)	Digi-Key Part No.	1	Price Each 5	10	Varitronix Part No.
24 x 2	N/A	L. Side	190 x 42 x 11	159.3 x 23	5.4 x 8.7	1.0 x 1.0	-20 - 70	-30 - 80	5	153-1128-ND	8.00	7.40	6.64	MDLS-24269-HT-HV-S
40 x 2	N/A	L. Side	182 x 33.5 x 11	154.0 x 15.8	3.15 x 5.50	.55 x .60	-5 - 50	-20 - 60	5	153-1088-ND	37.84	35.01	31.41	MDLS-40266-SS-LV-G
40 x 4	N/A	L. Side	196 x 56 x 11	154.4 x 27.6	3.15 x 5.50	.55 x .60	-10 - 60	-20 - 70	5	153-1089-ND	66.24	61.28	54.98	MDLS-40466-SS-G-HV
Supertwist LCD Module with LED Backlighting														
8 x 1	PRD250LPW-ND	Bottom	84 x 44 x 15	61.0 x 15.8	6.45 x 10.75	1.25 x 1.30	-5 - 50	-20 - 60	5	153-1090-ND	24.24	22.43	20.12	MDLS-81809-SS-LV-G-LED-04-G
16 x 1	PRD250LPW1-ND	Top	80 x 36 x 14	64.5 x 13.8	3.15 x 6.30	.55 x .70	-5 - 50	-20 - 60	5	153-1091-ND	18.44	17.06	15.31	MDLS-16166-SS-LV-G-LED-04-G
16 x 2	PRD250LPW-ND	Bottom	84 x 44 x 14	61.0 x 15.8	2.95 x 5.55	.55 x .65	-5 - 50	-20 - 60	5	153-1092-ND	18.88	17.47	15.67	MDLS-16265-SS-LV-G-LED-04-G-14
16 x 2	PRD250LPW-ND	Bottom	84 x 44 x 14	61.0 x 15.8	2.95 x 5.55	.55 x .65	-5 - 50	-20 - 60	5	153-1093-ND†	18.88	17.47	15.67	MDLS-16265-SS-LV-G-LED-04-G-16
16 x 2	N/A	Top	53 x 20 x 8	36 x 10	1.85 x 3.15	.33 x .35	-5 - 50	-20 - 60	5	153-1116-ND	14.90	13.79	12.37	MDLS-16263-C-LV-G-LED01G-FFC
16 x 2	N/A	Top	53 x 20 x 8	36 x 10	1.85 x 3.15	.33 x .35	-5 - 50	-20 - 60	5	153-1117-ND	20.00	18.50	16.60	MDLS-16263-C-LV-G-LED04G
16 x 2	N/A	Bottom	65.5 x 36.7 x 14	48.6 x 12	2.54 x 4.07	.46 x .43	-5 - 50	-20 - 60	5	153-1118-ND◆	17.40	16.10	14.45	MDLS-16264-SS-LV-G-LED04G
16 x 2	N/A	Top	80 x 36 x 13	61 x 15.8	2.95 x 5.55	.55 x .65	-5 - 50	-20 - 60	5	153-1119-ND◆	18.88	17.47	15.67	MDLS-16265B-SS-LV-G-LED04G
16 x 2	N/A	Top	122 x 43 x 15	99 x 23	4.84 x 9.22	.92 x 1.10	-5 - 50	-20 - 60	5	153-1136-ND◆	32.40	29.97	26.90	MDLS-16268B-ST-LV-NEGBLUE-LED04G
16 x 2	N/A	Bottom	122 x 44 x 15	99 x 23	4.84 x 9.22	.92 x 1.10	-5 - 50	-20 - 60	5	153-1121-ND◆	32.40	29.97	26.90	MDLS-16268C-SS-LV-G-LED04G
16 x 4	N/A	Top	87 x 60 x 13	61.8 x 25.2	2.95 x 4.75	.55 x .55	-5 - 50	-20 - 60	5	153-1094-ND	34.72	32.12	28.82	MDLS-16465-SS-LV-G-LED-04-G
20 x 1	N/A	L. Side	182 x 33.5 x 14.5	154 x 15.3	6.7 x 11.50	1.30 x 1.30	-5 - 50	-20 - 60	5	153-1095-ND	46.42	42.94	38.53	MDLS-20189-SS-LV-G-LED-04-G
20 x 2	PRD360LPW-ND	L. Side	116 x 37 x 14	83.0 x 18.6	3.2 x 5.55	.60 x .65	-5 - 50	-20 - 60	5	153-1096-ND	27.42	25.37	22.76	MDLS-20265-SS-LV-G-LED-04-G
20 x 2	N/A	Top	65 x 20 x 8	46 x 10	1.85 x 3.15	.33 x .35	-5 - 50	-20 - 60	5	153-1123-ND◆	23.70	21.93	19.68	MDLS-20263-C-LV-G-LED01G
20 x 2	N/A	L. Side	116 x 37 x 11	83 x 18.6	3.2 x 5.55	.60 x .65	-20 - 70	-30 - 80	5	153-1124-ND	32.00	29.60	26.56	MDLS-20265-HT-HV-FSTN-LEDW
20 x 4	N/A	Top	98 x 60 x 14	76.0 x 25.2	2.9 x 4.7	.50 x .50	-5 - 50	-20 - 60	5	153-1097-ND	37.48	34.67	31.11	MDLS-20464-SS-LV-G-LED-04-G
20 x 4	N/A	Top	65 x 28 x 8	46 x 18.4	1.85 x 3.15	.33 x .35	-5 - 50	-20 - 60	5	153-1125-ND◆	37.80	34.97	31.38	MDLS-20433-C-LV-G-LED01G
20 x 4	N/A	Top	77 x 47 x 13	60 x 22	2.3 x 4.03	.42 x .46	-5 - 50	-20 - 60	5	153-1126-ND◆	36.00	33.30	29.88	MDLS-20464B-LV-G-LED04G
24 x 2	PRD360LPW1-ND	L. Side	118 x 36 x 13.4	93.5 x 15.8	3.2 x 5.15	.60 x .60	-5 - 50	-20 - 60	5	153-1098-ND	30.28	28.01	25.14	MDLS-24265B-SS-LV-G-LED-04-G
40 x 2	N/A	L. Side	182 x 33.5 x 14	154.0 x 15.8	3.15 x 5.50	.55 x .60	-5 - 50	-20 - 60	5	153-1099-ND	51.28	47.44	42.57	MDLS-40266-SS-LV-G-LED-04-G
40 x 2	N/A	Top	108 x 20 x 12	89 x 10	1.85 x 3.15	.33 x .35	-20 - 70	-30 - 80	5	153-1129-ND◆	110.20	101.94	91.47	MDLS-40263-C-HT-HV-FSTN-LED3G
40 x 4	N/A	L. Side	196 x 56 x 14	154.4 x 27.6	3.15 x 6.30	.55 x .60	-10 - 60	-20 - 70	+5/-5	153-1100-ND	81.64	75.52	67.77	MDLS-40466-SS-G-HV-LED-04-G

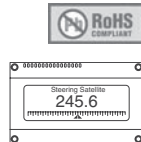
◆ RoHS Compliant ◆ The LED chips are distributed over the whole lit area, bonded in a pattern which gives the most uniform illumination. Power connection is made by two solder holes, marked "A" for +5V and "K" for Ground. † Bezels can be found under PRD Plastics in the manufacturer index. † Pin Version



Serial/I²C LCD, VFD and PLED Displays

Specifications:
 Standard Voltage: 4.75V ~ 5.25V **LCD Type:** • Covers most of the popular LCD configurations. Control of these modules has been simplified to a set of commands delivered to the modules via RS232 and I²C communications protocols. **VFD Type:** • Brightest of all displays • Performance is not affected by temperature. **PLED Type:** • Self-luminous displays that do not require backlighting • Use much less power than a traditional LCD or VFD • 160-degree viewing angle

Additional options for increased voltage and higher operating temperatures are available. For pricing, options and availability, visit our website.



Display Format	Type	Background Color	Text Color	Viewing Area (mm)	Operating Temperature	Digi-Key Part No.	1	Price Each 50	Matrix Orbital Part No.
8 x 2	LCD	Yellow/Green	Black	38.0 x 16.0	0°C - 50°C	635-1009-ND	39.95	38.03	LCD0821
16 x 2	LCD	Yellow/Green	Black	64.5 x 15.5	0°C - 50°C	635-1010-ND	49.95	47.51	LK162-12
		Cool Blue	Blue	64.5 x 15.5	0°C - 50°C	635-1011-ND	49.95	47.51	LK162-12-GW
		Blue	White	64.5 x 15.5	0°C - 50°C	635-1012-ND	49.95	47.51	LK162-12-WB
		Black	Yellow	64.5 x 15.5	0°C - 50°C	635-1027-ND	50.10	47.51	LK162-12-IY
		Black	Red	64.5 x 15.5	0°C - 50°C	635-1013-ND	49.95	47.51	LK162-12-R
20 x 2	LCD	Yellow/Green	Black	83.0 x 18.6	0°C - 50°C	635-1014-ND	69.95	64.16	VK162-12
		Cool Blue	Blue	83.0 x 18.6	0°C - 50°C	635-1016-ND	59.95	57.34	LK202-25
		Blue	White	83.0 x 18.6	0°C - 50°C	635-1017-ND	59.95	57.34	LK202-25-GW
		Black	Yellow	83.0 x 18.6	0°C - 50°C	635-1018-ND	59.95	57.34	LK202-25-WB
		Black	Red	83.0 x 18.6	0°C - 50°C	635-1028-ND	59.95	57.34	LK202-25-IY
20 x 4	LCD	Yellow/Green	Black	76.0 x 25.2	0°C - 50°C	635-1022-ND	69.95	68.02	LK204-25
		Cool Blue	Blue	76.0 x 25.2	0°C - 50°C	635-1023-ND	69.95	68.02	LK204-25-GW
		Blue	White	76.0 x 25.2	0°C - 50°C	635-1024-ND	69.95	68.02	LK204-25-WB
		Black	Yellow	76.0 x 25.2	0°C - 50°C	635-1029-ND	69.95	68.02	LK204-25-IY
		Black	Red	76.0 x 25.2	0°C - 50°C	635-1025-ND	69.95	68.02	LK204-25-R
VFD	—	Blue/Green	70.8 x 20.9	-20°C - 70°C	635-1026-ND	125.00	119.34	VK204-25	

Serial/I²C Graphic Displays

Control of these modules has been simplified to a set of commands delivered to the modules via RS232 and I²C communications protocols.
Specifications: Standard Voltage: 4.75V ~ 5.25V
Features: • Download fonts of any size, style or language
 • Create graphics using bitmaps, pixels, lines, rectangles and bar graphs



Additional options for increased voltage and higher operating temperatures are available. For pricing, options and availability, visit our website.



Display Format	Type	Background Color	Text Color	Viewing Area (mm)	Operating Temperature	Digi-Key Part No.	1	Price Each 50	Matrix Orbital Part No.
122 x 32	LCD	White	Blue	60.2 x 18.0	0°C - 50°C	635-1000-ND	74.95	68.45	GLK12232-25-SM
		Blue	White	60.2 x 18.0	0°C - 50°C	635-1001-ND	74.95	68.45	GLK12232-25-SM-WB
		White	Blue	76.0 x 25.2	0°C - 50°C	635-1002-ND	79.95	76.05	GLK12232-25-WBL
		White	Black	76.0 x 25.2	0°C - 50°C	635-1030-ND NEW!	79.95	78.01	GLK12232-25-FGW
240 x 64	LCD	Yellow/Green	Black	132.0 x 39.0	0°C - 50°C	635-1003-ND	169.50	154.28	GLK24064-25
		White	Grey	132.0 x 39.0	0°C - 50°C	635-1004-ND	169.50	154.28	GLK24064-25-GW
		Blue	White	132.0 x 39.0	0°C - 50°C	635-1005-ND	169.50	154.28	GLK24064-25-WB
240 x 128	LCD	Yellow/Green	Black	114.0 x 64.0	0°C - 50°C	635-1006-ND	224.95	213.65	GLK240128-25
		White	Grey	114.0 x 64.0	0°C - 50°C	635-1007-ND	224.95	213.65	GLK240128-25-GW
		Blue	White	114.0 x 64.0	0°C - 50°C	635-1008-ND	224.95	213.65	GLK240128-25-WB

NEWHAVEN DISPLAY INTERNATIONAL Vacuum Fluorescent Displays



Newhaven Display provides the North American marketplace with cost effective high quality devices ranging from LCD to VFD.

Display Format	Type	Character Height (mm)	Module Size (mm)	Font Type	Digi-Key Part No.	Price Each	Newhaven Display Part No.
6 x 1	VFD Glass	20.00	130.0 x 43.0 x 8.5	7-Segment	D0106LT-43-0601-ND	22.50	D0106LT-43-0601
7 x 1		9.70	112.0 x 25.0 x 6.8	7-Segment	D0109MT-25-1101-ND	11.25	D0109MT-25-1101
9 x 1		11.00	205.0 x 29.0 x 8.0	7-Segment	D0119LT-29-1901-ND	27.00	D0119LT-29-1901
16 x 1		13.00	110.2 x 20.5 x 6.5	Alphanumeric	D0116SY-20-1601FB-ND	9.45	D0116SY-20-1601FB
20 x 1		6.50	134.0 x 20.5 x 6.5	Alphanumeric	D0120MY-A1H-ND	7.20	D0120MY-A1H
16 x 1	VFD Module	5.00	125.0 x 35.5 x 18.0	Alphanumeric	M0116SY-161MSAR1-C-ND	40.95	M0116SY-161MSAR1-C
16 x 1		5.29	80.0 x 36.0 x 11.0	Dot Matrix	M0116SD-161SDBR1-1-ND	29.00	M0116SD-161SDBR1-1
16 x 2		5.34	80.0 x 36.0 x 18.0	Dot Matrix	M0216SD-162SDAR2-1-ND	30.00	M0216SD-162SDAR2-1
16 x 2		5.34	84.0 x 44.0 x 16.6	Dot Matrix	M0216SD-162SDAR8-ND	30.00	M0216SD-162SDAR8
16 x 2		9.22	122.0 x 44.0 x 20.2	Dot Matrix	M0216MD-162MDBR2-J-ND	45.00	M0216MD-162MDBR2-J
20 x 2		5.34	116.0 x 37.0 x 17.5	Dot Matrix	M0220SD-202SDAR1-ND	32.00	M0220SD-202SDAR1
20 x 2	VFD Module	8.95	146.0 x 43.0 x 19.2	Dot Matrix	M0220MD-202MDAR1-3-ND	39.00	M0220MD-202MDAR1-3
20 x 4		4.84	100.0 x 60.0 x 20.6	Dot Matrix	M0420SD-204SDAR1-3-ND	58.90	M0420SD-204SDAR1-3
20 x 4		4.87	150.0 x 64.0 x 26.5	Dot Matrix	M0420SD-204MDAR1-C-ND	63.21	M0420SD-204MDAR1-C

◆ With right angle shrouded connector

More Product Available Online: www.digkey.com

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