

GRAPHIC TFT LCMs

Display Format	P/N	SIZE	Outline Dimen.	Viewing Area	Interface	Touch Screen	Backlight LED
320 x 240	AF35C	3.5"	93.5 x 66.44	73.1 x 55.6	Digital	Y	•
	AF35F	3.5"	76.9 x 63.9	70.08 x 52.56	Digital	Y	•
480 x 272	AF43C	4.3"	105.5 x 67.2	101.0 x 57.5	Digital	Y	•
320 x 240	AF57B	5.7"	149.0 x 109.0	118.28 x 88.6	Digital	Y	•
	AF57C	5.7"	143.5 x 104.1	118.6 x 88.9	Digital	Y	•
	AF57D	5.7"	126.0 x 101.55	117.9 x 89.1	Digital	Y	•
	AF57E	5.7"	141.12 x 101.55	117.9 x 89.1	Digital	Y	•
640 x 480	AF57F	5.7"	125.0 x 98.8	117.5 x 88.7	Digital	Y	•
800 x 480	AF70A	7"	165.0 x 104.44	155.3 x 94.3	Digital	Y	•
	AF70D	7"	164.9 x 100		Digital	Y	•
	AF80B	8"	192.8 x 116.9	180.1 x 103.4	Digital	Y	•
	AF102A	10.2"	235.0 x 145.8	225.3 x 135.7	Digital	Y	•
1024 x 768	AF121A	12.1"	260.5 x 204.0	249.0 x 187.5	Digital	N	•

MORE SIZES AVAILABLE

TFT MODULE CODING SYSTEM



1 BRAND	2 TYPE	3 SIZE	4 SERIALS	5 BACKLIGHT	6 POLARIZE TYPE	7 MODULE TYPE	8 RESOLUTION	9 INTERFACE	10 VERSION	11 RoHS
A - Aplus Products	F - TFT	35 - 3.5" 43 - 4.3" 57 - 5.7" 70 - 7.0" 80 - 8.0" 102 - 10.2"	A-Z	T - LED white	G - Reflective, WT, 6:00 H - Transflective, WT, 6:00 I - Transmissive, WT, 6:00 J - Reflective, WT, 12:00 K - Transflective, WT, 12:00 L - Transmissive, WT, 12:00	A - TFT LCD B - TFT+FR+Control Board C - TFT+FR+A/D Board D - TFT+FR+A/D Board+Control Board E - TFT+FR+Power Board F - TFT+Control Board G - TFT+FR H - TFT+D/V Board I - TFT+FR+D/V Board	A - 128 x 160 B - 320 x 234 C - 320 x 240 D - 480 x 234 E - 480 x 272 F - 640 x 480 G - 800 x 480 H - 1024 x 600 I - 320 x 480 J - 240 x 320 K - 800 x 600 L - 240 x 400 M - 1024 x 768	D - Digital Type A - Analog Type L - LVDS Type	0-Z	# Compliant

OTHER OPTIONS AVAILABLE



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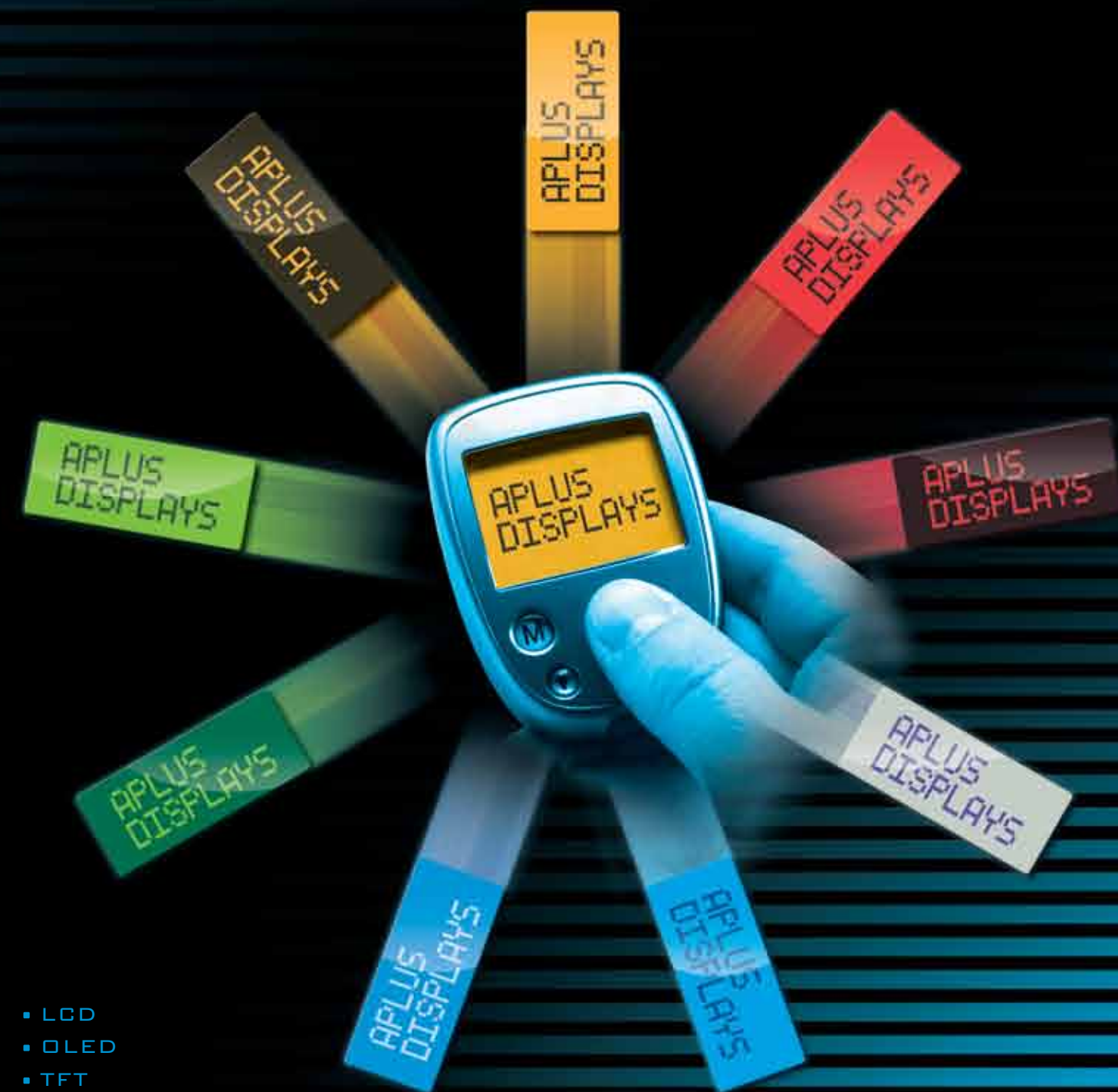
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- Backlighting Available



CUSTOM LED DESIGN

- Multiple LEDs to a Single Custom Module
- Lower Material Costs
- Lower Assembly Placement Costs
- Bin Matched Reduces Floor Management

GRAPHIC LCDs

Display Format	P/N	Outline Dimen.	Viewing Area	Dot Size	Dot Pitch	Controller
122 x 32	AG12232A/C	84.0 x 44.0	60.0 x 18.0	.40 x .45	.44 x .49	SBN1661G
	AG12232B/G	65.4 x 29.1	54.8 x 19.0	.36 x .41	.40 x .45	SBN1661G
	AG12232BP1	65.4 x 28.2	54.8 x 19.0	.36 x .41	.40 x .45	SBN1661G
	AG12232D/D1	59.0 x 29.3	52.0 x 15.0	.345 x .345	.375 x .375	SBN1661G
	AG12232E/J	80.0 x 36.0	60.0 x 18.0	.40 x .45	.44 x .49	SBN1661G
	AG12232K	50.0 x 29.3	52.0 x 15.0	.345 x .345	.375 x .375	SBN1661G
	AG12232L	59.0 x 32.1	52.0 x 15.0	.345 x .345	.375 x .375	SBN1661G
	AG12232O	77.8 x 27.2	60.0 x 18.0	.40 x .45	.44 x .49	SBN1661G
	AG12232M	84.0 x 44.0	60.0 x 18.0	.40 x .45	.44 x .49	SBN1661G
	AG12232N	50.0 x 29.3	52.0 x 15.0	.345 x .345	.375 x .375	SBN1661G
	AG12232P	80.0 x 36.5	64.0 x 17.9	.40 x .45	.44 x .49	SBN1661G
	128 x 64	AG12864A	93.0 x 70.0	72.0 x 40.0	.48 x .48	.52 x .52
AG12864B		75.0 x 52.7	60.0 x 32.6	.40 x .40	.43 x .43	KS0108
AG12864C		78.0 x 70.0	62.0 x 44.0	.42 x .58	.44 x .60	KS0108
AG12864D		78.0 x 70.0	62.0 x 44.0	.42 x .58	.44 x .60	RA6963
AG12864E/EP1		54.0 x 50.0	43.5 x 29.0	.28 x .35	.32 x .39	KS0108
AG12864F		87.0 x 70.0	72.0 x 40.0	.48 x .48	.52 x .52	RA6963
AG12864G		78.0 x 70.0	62.0 x 44.0	.42 x .58	.44 x .60	RA6963
AG12864H		80.0 x 70.0	72.0 x 40.0	.48 x .48	.52 x .52	KS0108
AG12864K		113.0 x 53.0	72.0 x 40.0	.48 x .48	.52 x .52	KS0108
AG12864M		95.5 x 50.2	72.0 x 40.0	.48 x .48	.52 x .52	KS0108
AG12864P3/P5		83.0 x 52.7 x 8.4	60.0 x 32.6	.39 x .39	.43 x .43	ST7920
AG12864U3/U5		93.0 x 70.0	72.0 x 40.0	.48 x .48	.52 x .52	ST7921
AG12864V3/V5		93.0 x 70.0	72.0 x 40.0	.48 x .48	.52 x .52	ST7920
AO12864A1		60.1 x 44.5	54.6 x 32.0	.36 x .40	.36 x .43	ST7565P
AO12864B1		89.7 x 49.8	69.0 x 36.5	.47 x .47	.50 x .50	ST7565P
AO12864C2		55.2 x 39.8	45.2 x 27.0	.28 x .34	.32 x .38	ST7565P
AO12864D2		90.0 x 52.8	70.7 x 38.8	.48 x .48	.52 x .52	ST7565P
AO12864D3		80.0 x 54.0 x 10.2	70.7 x 38.8	.48 x .48	.52 x .52	ST7565P
AX12864L	90.5 x 50.0	67.0 x 40.0	.42 x .50	.46 x .55	SED1565	
AX12864T	35.0 x 24.22	29.58 x 17.98	.18 x .23	.25 x .20	NT7534	
AX1286T1	35.0 x 65.6	29.58 x 17.98	.18 x .23	.20 x .25	NT7534	
AX1286U	56.0 x 42.5	52.0 x 36.0	.35 x .40	.37 x .42	NT7534	
AX1286U1	56.0 x 42.5	52.0 x 36.0	.35 x .40	.37 x .42	NT7534	
128 x 128	AG128128A	85.0 x 100.0	62.0 x 62.0	.40 x .40	.43 x .43	RA6963
	AG128128B	72.5 x 69.9	50.0 x 49.0	.32 x .32	.35 x .35	LC7981
	AG128128C	65.5 x 70.0	50.0 x 49.0	.32 x .32	.35 x .35	RA6963
	AG128128H	106.0 x 92.0	73.0 x 73.0	.50 x .50	.55 x .55	RA6963
144 x 32	AG14432A	85.0 x 36.0	66.0 x 16.0	.38 x .38	.42 x .42	ST7920
	AG14432B	80.0 x 36.0	66.0 x 16.0	.38 x .38	.42 x .42	ST7920
	AG14432C	84.0 x 44.0	66.0 x 16.0	.38 x .38	.42 x .42	ST7920
	AG14432D	85.5 x 30.0	66.0 x 16.0	.38 x .38	.42 x .42	ST7920
160 x 32	AG14432E	80.0 x 36.0	66.0 x 16.0	.38 x .38	.42 x .42	ST7920
	AG16032A	85.2 x 55.0	72.0 x 22.0	.40 x .56	.44 x .61	SED1520
	AG16032C	85.2 x 55.0	74.0 x 22.0	.40 x .56	.44 x .61	ST7920
	AG16032D	122.0 x 44.0	99.0 x 24.0	.55 x .55	.60 x .60	ST7920
160 x 80	AG16032E	85.2 x 55.0	72.0 x 22.0	.40 x .56	.44 x .61	SBN1661G
	AG16080B	93.0 x 70.0	72.0 x 40.0	.39 x .39	.42 x .42	LC7981
160 x 128	AG16080C	100.0 x 55.0	72.0 x 40.0	.48 x .48	.52 x .52	LC7981
	AG160128B	129.0 x 102.0	101.0 x 82.0	.56 x .56	.60 x .60	RA6963
160 x 160	AG160128C	150.0 x 112.0	101.0 x 82.0	.56 x .56	.60 x .60	RA6963
	AG160128E	129.0 x 102.0	101.0 x 82.0	.56 x .56	.60 x .60	RA6963
	AG160160A	89.2 x 85.0	62.0 x 62.0	.34 x .34	.38 x .38	N/A
192 x 32	AG160160B	85.0 x 100.0	62.0 x 62.0	.34 x .34	.38 x .38	LC7981
	AO160160A	83.8 x 76.5	60.0 x 60.0	.32 x .32	.34 x .34	UC1698U
	AO160160B	82.2 x 77.5	60.0 x 60.0	.32 x .32	.34 x .34	UC1698U
192 x 32	AG19232B	116.0 x 37.0	84.0 x 18.6	.38 x .46	.42 x .50	ST7920
	AG19232C	116.0 x 37.0	84.0 x 18.6	.38 x .46	.42 x .50	ST7920

LCD MODULE CODING SYSTEM



1 BRAND	2 LCM TYPE	3 ROW SIZE	4 COLUMN SIZE	5 SERIAL NO.	6 BACKLIGHT TYPE	7 LCD TYPE	8 POLARIZE TYPE	9 LANGUAGE	10 Special Code	
A - Aplus Products	H - Character G - Graphic X - TAB	08 - Character 12 - Character 16 - Character 20 - Character 24 - Character 40 - Character	01 - Lines 02 - Lines 04 - Lines	A-Z	N - Without backlight Y - LED, Yellow-Green backlight A - LED, Amber backlight R - LED, Red backlight G - LED, Green backlight T - LED, White backlight P - LED, Blue backlight F - CCFL, White backlight	B - TN positive, Gray N - TN negative, Black H - HTN positive, Gray I - HTN negative, Black G - STN positive, Gray Y - STN positive, Yellow-Green M - STN negative, Blue F - FSTN positive, White T - FSTN negative, Black	G - Reflective, WT, 6:00 H - Transflective, WT, 6:00 I - Transmissive, WT, 6:00 J - Reflective, WT, 12:00 K - Transflective, WT, 12:00 L - Transmissive, WT, 12:00	Character Graphic	V - Neg. Volt N - w/o Neg. Volt T - Temp Comp	** Other Options Available

OTHER OPTIONS AVAILABLE

CHARACTER LCDs

Display Format	P/N	Outline Dimen.	Viewing Area	Character Size
8 x 2	AH0802A1	58.0 x 32.0	38.0 x 16.0	2.96 x 5.56
12 x 2	AH1202A	55.7 x 32.0	46.0 x 14.5	2.65 x 5.50
	AH1601A	80.0 x 36.0	66.0 x 16.0	3.07 x 6.56
16 x 1	AH1601B	85.0 x 28.0	66.0 x 16.0	3.07 x 6.56
	AH1601L	122.0 x 33.0	99.0 x 13.0	4.84 x 8.06
	AH1602A	84.0 x 44.0	66.0 x 16.0	2.95 x 5.55
16 x 2	AH1602B	80.0 x 36.0	66.0 x 16.0	2.96 x 5.56
	AH1602C	85.0 x 36.0	66.0 x 16.0	2.96 x 5.56
	AH1602D	85.0 x 30.0	66.0 x 16.0	2.96 x 5.56
	AH1602J	80.0 x 36.0	66.0 x 16.0	2.96 x 5.56
	AH16021L1	122.0 x 44.0	99.0 x 24.0	4.84 x 9.66
	AH1602M	85.0 x 32.6	66.0 x 16.0	2.95 x 5.56
	AH1602O	85.0 x 25.2	66.0 x 16.0	2.96 x 5.95
	AH1602P	85.0 x 25.2	66.0 x 16.0	2.95 x 5.55
	AH1602S	59.0 x 29.3	52.0 x 15.3	2.45 x 4.67
	AH1602T	65.4 x 28.2	54.8 x 19.0	3.05 x 5.57
16 x 4	AH1602V2	69.0 x 29.2	61.0 x 15.9	2.95 x 5.55
	AH1602W	80.0 x 36.0 x 13.2	66.0 x 16.0	2.95 x 5.55
	AO1602F	72.1 x 29.6	61.0 x 15.1	2.95 x 5.55
	AO1602G	74.2 x 25.2	61.0 x 15.1	2.95 x 5.55
20 x 1	AO1602H	62.8 x 23.0	51.5 x 12.2	2.60 x 4.67
	A01602I	51.2 x 20.7	40.0 x 10.1	2.00 x 3.79
	AH1604A	87.0 x 60.0	62.0 x 26.0	2.95 x 4.75
20 x 2	AH1604B	70.6 x 60.0	60.0 x 32.6	2.95 x 4.75
	AH1604E	87.0 x 60.0	62.0 x 26.0	2.95 x 4.75
20 x 4	AH2001B	180.0 x 40.2	149.0 x 23.0	6.00 x 12.715
	AH2002A	116.0 x 37.0	85.0 x 18.6	3.20 x 5.55
	AH2002D	89.0 x 21.5	75.0 x 15.0	2.95 x 5.15
	AH2002L	180.0 x 40.0	149.0 x 23.0	6.00 x 9.66
20 x 4	AH2002M	146.0 x 43.0	123.0 x 23.0	4.84 x 9.22
	A02002A	74.2 x 25.2	61.0 x 15.1	146.0 x 43.0
	AH2004A/B	98.0 x 60.6	77.0 x 25.2	2.95 x 4.75
24 x 2	AH2004L	146.0 x 62.5	123.5 x 43.0	4.84 x 9.22
	AH2402A	118.0 x 36.0	94.5 x 16.0	3.20 x 5.55
40 x 2	A02402A	86.2 x 24.7	72.3 x 11.84	2.45 x 4.67
40 x 4	AH4002A	182.0 x 33.5	154.4 x 16.5	3.20 x 5.55
40 x 4	AH4004A	190.0 x 54.0	147.0 x 29.5	2.78 x 4.89

AVAILABLE COLORS



GRAPHIC OLEDs

Display Format	P/N	SIZE	Outline Dimen.	Viewing Area	Module	Dot Pitch	Color
50 x 16	AEG005016AL	1.26"	58.0 x 32.0	38.0 x 16.0	COB	0.60 x 0.70	R/G/B/Y
76 x 16	AEG007616AL	1.70"	55.7 x 32.0	46.0 x 14.5	COB	0.55 x 0.70	Y
100 x 8	AEG10008AL	2.37"	80.0 x 36.0	66.0 x 16.0	COB	0.60 x 0.80	W/R/G/B/Y
100 x 16	AEG10016AL	2.40"	80.0 x 36.0	66.0 x 16.0	COB	0.60 x 0.70	W/R/G/B/Y
	AEG10016BL	3.84"	122.0 x 44.0	99.0 x 24.0	COB	0.96 x 1.12	R/G/B/Y
	AEG10016CL	2.40"	85.0 x 36.0	66.0 x 16.0	COB	0.60 x 0.70	W/R/G/B/Y
	AEG10016DL	2.40"	85.0 x 30.5	66.0 x 16.0	COB	0.60 x 0.70	W/R/G/B/Y
	AEG10016EL	2.40"	84.0 x 44.0	66.0 x 16.0	COB	0.60 x 0.70	W/R/G/B/Y
200 x 16	AEG20016AL	5.14"	182.00 x 33.50	154.40 x 16.50	COB	0.65 x 0.70	W/R/G/B/Y
100 x 32	AEG010032AL	2.44"	98.0 x 60.0	77.0 x 25.2	COB	0.59 x 0.60	W/R/G/B/Y
	AEG010032BL	2.44"	98.0 x 60.0	77.0 x 25.2	TAB	0.59 x 0.60	R/G/B/Y
132 x 32	AEX12232AL	2.26"	84.0 x 44.0	60.00 x 18.00	TAB	0.42 x 0.48	Y
	AEX009664AL	1.10"	33.59 x 23.62	25.49 x 17.65	TAB	0.245 x 0.245	Y
96 x 64	AEO009664AL	0.95"	24.9 x 22.95	21.953 x 15.424	COG	0.208 x 0.21	Y
	AEX012864CL	2.70"	82.7 x 40.2	63.41 x 32.69	TAB	0.48 x 0.48	G/Y
	AEX012864DL	2.70"	73.00 x 41.86	63.41 x 32.69	TAB	0.48 x 0.48	R/G/B/Y
	AEX012864GL	2.40"	75.52 x 52.70	57.01 x 29.49	TAB	0.43 x 0.43	W/Y
	AEX012864ML	2.40"	60.50 x 37.00	57.01 x 29.49	TAB	0.43 x 0.43	Y
	AEX012864LL	2.70"	89.70 x 47.20	63.41 x 32.69	TAB	0.48 x 0.48	Yellow
	AEX012864QL	2.70"	73.00 x 47.20	63.41 x 32.69	TAB	0.48 x 0.48	G/Y
	AEO012864DL	2.70"	26.70 x 19.26	21.738 x 10.858	COG	0.17 x 0.17	W/Y
	AEX025664AL	2.80"	84.00 x 25.80	71.104 x 19.264	TAB	0.27 x 0.27	W/Y/B
	AEX025664BL	3.12"	88.00 x 27.80	78.78 x 21.18	TAB	0.30 x 0.30	W/Y

CONTACT APLUS FOR COMPLETE PART NUMBER AND AVAILABILITY

CHARACTER OLEDs

Display Format	P/N	SIZE	Outline Dimen.	Viewing Area	Color
8 x 2	AEH000802AL	1.20"	58.0 x 32.0	38.0 x 16.0	R