

CMI General Display TFT Specifications

Size	3.5"	4.3D			5.0"DN
Item / Model	LQ035NC111 (CMO product)	EE043NA-02A	AT043TN24 V.7	AT043TN25 V.2	AT050TN22 V.1
Product type	Module	FOG	Module+T/P	Module	Module
Screen Size	3.5"	4.3"	4.3"	4.3"	5.0"
Module Size(mm)	76.90 x 63.9 x 3.3	101.7 x 63.5 x 1.43	105.5 x 67.2 x 4.05	105.5 x 67.2 x 2.9	117.65 x 88.43 x 5.7
Active Area(mm)	70.08 x 52.56	95.04 x 53.856	95.04 x 53.856	95.04 x 53.856	101.568 x 76.176
Display Mode	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive
Resolution	320X3(RGB)X240	480X3(RGB)X272	480X3(RGB)X272	480X3(RGB)X272	640X3(RGB)X480
Viewing Angle (Typ.) $\theta_T/\theta_B/\theta_L/\theta_R$	50/55/60/60	50/70/70/70	50/70/70/70	50/70/70/70	50/70/70/70
Viewing direction	6 O'Clock	6 O'Clock	6 O'Clock	6 O'Clock	6 O'Clock
NTSC	60%	50%	50%	50%	50%
Aspect Ratio	4:3	16:9	16:9	16:9	4:3
Luminance(nits)	300	X	400	500	250
Contrast Ratio	400	500	500	500	500
Response Time(ms)	25	25	25	25	25
Dot Pitch(mm)	0.073(W) X 0.219(H)	0.066(H) x 0.198(V)	0.066(W) X 0.198(H)	0.066(W) X 0.198(H)	0.0529(W)X0.1587(H)
PPI (Pixel per inch)	116	128	128	128	160
Power Consumption (W)	0.4	NA	0.558	0.558	1.393
Weight (g)	31	19.7	58	58	108
Interface	54pin FPC, Parallel 24bit RGB	40pin FPC, Parallel 24bit RGB	40pin FPC, Parallel 24bit RGB	40pin FPC, Parallel 24bit RGB	50pin FPC, Parallel 24bit RGB
Operation Temperature(°C)	-20~70	-20~70°C	-20~70	-20~70	-20~70
Storage Temperature (°C)	-30~80	-30~80°C	-30~80	-30~80	-30~80
HTHH.(op)	60°C,90% RH	60°C,90% RH	60°C,90% RH	60°C,90% RH	40°C,90% RH

5.0"DW			5.6"D	5DH		5.6
AT050TN30	AT050TN33	AT050TN33 V.1		HE050NA-01F	EJ050NA-01G	AT056TN53 V.1
FOG	Module+RTP	Module	Module	FOG	Module	Module
5.0"	5.0"	5.0"		5.0"	5.0"	5.6"
117.70 × 72.80 × 1.43	120.70 × 75.80 × 4.25	120.70 × 75.80 × 3.1		115.6 × 74.38 × 1.43	120.7 × 76.3 × 3.1	126.5 × 100.0 × 5.7
110.88 × 62.832	110.88 × 62.832	110.88 × 62.832		108 × 64.8	108 × 64.8	112.896 × 84.672
Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive
480X3(RGB)X272	480X3(RGB)X272	480X3(RGB)X272	480X3(RGB)X273	800X3(RGB)X480	800X3(RGB)X480	640X3(RGB)X480
50/70/70/70	50/70/70/70	50/70/70/70		50/70/70/70	50/70/70/70	50/70/70/70
6 O'Clock	6 O'Clock	6 O'Clock	6 O'Clock	6 O'Clock	6 O'Clock	6 O'Clock
50%	50%	50%	50%	50%	50%	50%
16:9	16:9	16:9		16:9	16:9	4:3
X	300	350		/	350	350
500	500	500		500	500	500
25	25	25		25	25	25
0.077(W)X0.231(H)	0.077(W)X0.231(H)	0.077(W)X0.231(H)		0.045(W) x 0.135(H)	0.045(W) x 0.135(H)	0.0588(W) x 0.1764(H)
110	110	110	#REF!	188	188	144
X	0.855	0.875		0.223	1.504	2.56
25	83	64		26	60	83
40pin FPC, Parallel 24bit RGB	40pin FPC, Parallel 24bit RGB	40pin FPC, Parallel 24bit RGB	40pin FPC,Parallel 24bit RGB	50pin FPC, Parallel 24bit RGB	50pin FPC, Parallel 24bit RGB	40pin FPC, Parallel 18bit RGB
-20~70	-20~70	-20~70		-20~70	-20~70	-20~70
-30~80	-30~80	-30~80		-30~80	-30~80	-30~80
60℃,90% RH	40℃,90% RH	60℃,90% RH		60℃,90% RH	60℃,90% RH	40℃,90% RH

7"DD				7"SD		
AT070TN93 V.2	AT070TN92 V.3	EJ070NA-01K	EJ070NA-01G	EE070NA-01D	EJ070NA-01J	EJ070NA-01M
Module	Module	Module	Module	FOG(Fab5 Panel)	Module	Module
7"	7"	7"	7"	7"	7"	7"
164.9 x 100.0 x 3.35	164.9 x 100.0 x 3.35	164.9 x 100.0 x 3.35	164.9 x 100.0 x 3.35	160*101.1*1.43	165.75 x105.39 x3.4	165.75 x105.39 x2.8
154.08 x 85.92	154.08 x 85.92	154.08 x 85.92	154.08 x 85.92	153.6 x 90.0	153.6x 90.0	153.6x 90.0
Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive
800X3(RGB)X480	800X3(RGB)X480	800X3(RGB)X480	800X3(RGB)X480	1024 x 3(RGB) x 600	1024 x 3(RGB) x 600	1024 x 3(RGB) x 600
50/70/70/70	50/70/70/70	50/70/70/70	50/70/70/70	70/75/75/75	70/75/75/75	70/75/75/75
6 O'Clock	6 O'Clock	6 O'Clock	6 O'Clock	6 O'Clock	6 O'Clock	6 O'Clock
50%	50%	50%	50%	70%	70%	70%
16:9	16:9	16:9	16:9	16:9	16:9	16:9
250	250	400	250	X	250	250
500	500	500	500	700	700	700
25	25	25	25	20	20	20
0.0642(W) X 0.1790(H)	0.0642(W) X 0.1790(H)	0.0642(W) X 0.1790(H)	0.0642(W) X 0.1790(H)	0.05(W) x 0.15(H)	0.05(W) x 0.15(H)	0.05(W) x 0.15(H)
137	137	137	137	169	169	169
1.9	1.9	1.9	1.9	X	2.05	2.05
116.83	116.83	116.83	116.83	TBD	TBD	TBD
50pin FPC, Parallel 24bit RGB	50pin FPC, Parallel 24bit RGB	50pin FPC, Parallel 24bit RGB	50pin FPC, Parallel 24bit RGB	40pin FPC(LVDS)	40pin FPC(LVDS)	40pin FPC(MIPI)
-20~60	-20~60	-20~60	-20~60	-20~60	-20~60	-10~60
-30~70	-30~70	-30~70	-30~70	-30~70	-30~70	-20~70
40℃,90% RH	40℃,90% RH	40℃,90% RH	40℃,90% RH	40℃, 90%RH	40℃, 90%RH	40℃, 90%RH

		7"DN			8"DD	
ZJ070NA-01P	EJ070NA-01O	EE070NA-07A	HJ070NA-07B	AT080TN60	AT080TN62	AT080TN64
Module	Module	FOG	Module	FOG	Module	Module
7"	7"	7"	7"	8"	8"	8"
165.75 X 105.39 X 4.8	165.75 x105.39 x2.8	148 x 116.9 x 1.43	154.0 x 119.2x 3.0	185.2X 111.0 X1.43	192.8 x 116.9 x 3.4	192.8 x 116.9 x 6.4
153.6 X 90.0	153.6x 90.0	141.60 x 106.20	141.60 x 106.20	176.64 X 99.36	176.64 x 99.36	176.64 x 99.36
Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive
1024 X3(RGB) X600	1024 x 3(RGB) x 600	800X3(RGB)X600	800X3(RGB)X600	800 X 3(RGB) X 480	800 X 3(RGB) X 480	800 X 3(RGB) X 480
70/75/75/75	70/75/75/75	70/70/50/70	70/70/50/70	50/70/70/70	50/70/70/70	50/70/70/70
6 O'Clock	6 O'Clock	6 O'Clock	6 O'Clock	6 O'Clock	6 O'Clock	6 O'Clock
70%	70%	50%	50%	50%	50%	50%
16:9	16:9	4:3	4:3	16:9	16:9	16:9
500	250	X	250	X	250	450
700	700	400	400	500	500	500
20	20	20	20	25	25	25
0.05(W) x 0.15(H)	0.05(W) x 0.15(H)	0.059(W) x 0.177(H)	0.059(W) x 0.177(H)	0.0736(W)X0.2070(H)	0.0736(W)X0.2070(H)	0.0736(W)X0.2070(H)
169	169	143	143	119	119	119
TBD	2.05	0.5	0.5	X	1.900	2.458
TBD	TBD	TBD	TBD	61	163	251
40pin FPC(LVDS)	40pin FPC(LVDS)	60pin FPC,Parallel 24bit RGB	60pin FPC,Parallel 24bit RGB	50pin FPC, Parallel 24bit RGB	50pin FPC, Parallel 24bit RGB	50pin FPC, Parallel 24bit RGB
-30~85	-10~60	-20~70	-10~60	-30~85	-20~60	-30~85
-30~85	-20~70	-30~80	-20~70	-30~85	-30~70	-30~85
40℃, 90%RH	40℃, 90%RH	60℃,90% RH	40℃, 90%RH	60℃,90% RH	60℃,90% RH	60℃,90% RH

8D2			8DN2		
EE080NA-06A	AT080TN52 V.5	EJ080NA-05B	EJ080NA-04C	HJ080NA-04F	EE080NA-04C
FOG	Module	Module	Module	Module	FOG
8"	8"	8"	8"	8"	8"
171.0× 132.7 × 1.43	183.0 × 141.0 × 3.4	183.0 × 141.0 × 5.6	183.0 × 141.0 × 3.4	174.00 × 136.00 × 2.8	183.0 × 141.0 × 1.43
162.0× 121.6	162 × 121.5	162 × 121.5	162.048 × 121.536	162.048 × 121.536	162.048 × 121.536
Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive
801 X 3(RGB) X 600	800 X 3(RGB) X 600	800 X 3(RGB) X 600	1024 X 3(RGB) X 768	1024 X 3(RGB) X 768	1024 X 3(RGB) X 768
50/70/70/71	50/70/70/70	50/70/70/70	75/75/75/75	75/75/75/75	75/75/75/75
7 O'Clock	6 O'Clock	6 O'Clock	4:30 O'Clock	4:30 O'Clock	4:30 O'Clock
50%	50%	50%	50%	75%	50%
4:4	4:3	4:3	4:3	4:3	4:3
X	190	250	250	250	----
500	500	500	700	700	700
25	25	25	20	20	20
0.0675(W)X0.2026(H)	0.0675(W)X0.2025(H)	0.0675(W)X0.2025(H)	0.0527(W)X0.1582(H)	0.0527(W)X0.1582(H)	0.0527(W)X0.1581(H)
126	125	125	161	161	161
X	1.342	2.138	2.046	2046	TBD
79	183	254	TBD	TBD	TBD
50pin FPC, Parallel 25bit RGB	50pin FPC, Parallel 24bit RGB	50pin FPC, Parallel 24bit RGB	40pin FPC, LVDS	40pin FPC, LVDS	40pin FPC, LVDS
-20~61	-20~60	-20~70	-10~50	-10~50	-10~50
-30~71	-30~70	-30~80	-20~60	-20~60	-20~60
40℃,91% RH	40℃,90% RH	40℃,90% RH	40℃,90% RH	40℃,90% RH	40℃,90% RH

9D			9HD		
AT090TN10	AT090TN12 V.3	AT090TN12 V.5	ED090NA-01D	EJ090NA-01B	EE090NA-01C
FOG	Module	Module	Module+CTP	Module	FOG
9"	9"	9"	9"	9"	9"
206.7×122.93×1.43mm	211.1 x 126.5 x 5.9	211.1 x 126.5 x 3.4	206.76 × 135.06 ×5.36	206.76 × 135.06 ×3.6	206.76 × 135.06 ×1.43
198.00 x 111.696	198.00 x 111.696	198.00 x 111.696	193.920 × 121.200	193.920 × 121.200	193.920 × 121.200
Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive
800 X 3(RGB) X 480	800 X 3(RGB) X 480	800 X 3(RGB) X 480	1280 X 3(RGB) X 800	1280 X 3(RGB) X 800	1280 X 3(RGB) X 800
50/70/70/70	50/70/70/70	50/70/70/70	70/50/70/70	70/50/70/70	70/50/70/70
6 O'Clock	6 O'Clock	6 O'Clock	12 O'Clock	12 O'Clock	12 O'Clock
50%	50%	50%	70%	70%	70%
16:9	16:9	16:9	16:10	16:10	16:10
----	250	250	200	250	NA
500	500	500	700	700	700
25	25	25	25	25	25
0.0825(W)X0.2327(H)	0.0825(W)X0.2327(H)	0.0825(W)X0.2327(H)	0.0505(W) × 0.1515(H)	0.0505(W) × 0.1515(H)	0.0505(W) × 0.1515(H)
104	104	104	168	168	168
0.36	2.56	TBD	3.099	TBD	0.65
72	253	TBD	285	TBD	80
50pin FPC, Parallel 24bit RGB	50pin FPC, Parallel 24bit RGB	50pin FPC, Parallel 24bit RGB	51pin connector Parallel 24bit RGB	51pin connector Parallel 24bit RGB	51pin FPC, Parallel 24bit RGB
-20~70	-20~70	-10~60	-10~50	-10~50	-20~70
-30~80	-30~80	-20~70	-20~60	-20~60	-30~80
60℃,90% RH	60℃,90% RH	40℃,90% RH	40℃,90% RH	40℃,90% RH	40℃,90% RH

10.1"	10.2"D1		10.4"DN		7"
HJ101NA-02A	AT102TN03 V.8	AT102TN03 V.9	LSA40AT9001	Q0A411-601	N070ICG-LD1
LCM	Module	Module	Module	FOG	Module
10.1"	10.2"	10.2"	10.4"	10.4"	6.95"
229.46 x 149.1 x 3.35	235.0 X145.8 X6.1	235.0 X145.8 X6.1	228.4 x 175.4 x 5.9	228.4 x 175.4 x 5.9	160 x 107 x 2.5(W/O PCB) 160 x 107 x 4.2(W/I PCB)
216.96 x 135.6	222.0 X 132.48	222.0 X 132.48	211.2 x 158.4	211.2 x 158.4	149.76 x 93.6
Transmissive	Transmissive	Transmissive	Transmissive	Transmissive	Transmissive
1280 X 3(RGB) X 800	800 X 3(RGB) X 480	800 X 3(RGB) X 480	800 X 3(RGB) X 600	800 X 3(RGB) X 600	1280X 3(RGB) X800
75/65/75/75	45/65/65/65	45/65/65/65	50/60/70/70	50/60/70/70	89/89/89/89
12 O'Clock	6 O'Clock	6 O'Clock	6 O'Clock	6 O'Clock	free
70%	50%	50%	50%	50%	50%
16:10	15:9	15:9	4:3	4:3	16:10
300	350	250	250	X	400
700	300	300	500	500	800
25	35	35	20	20	25
0.0565 (W)x 0.1695(H)	0.0925(W) X 0.276(H)	0.0925(W) X 0.276(H)	0.088(W) X 0.264(H)	0.088(W) X 0.264(H)	0.039(W)X0.117(H)
150	92	92	96	96	217
TBD	2.110	2.110	TBD	TBD	2
TBD	332	325	TBD	379g	85
40pin FPC, Parallel 24bit RGB	60pin FPC, Parallel 18bit RGB	60pin FPC, Parallel 18bit RGB	60pin FPC, Parallel 18bit RGB	60pin FPC, Parallel 18bit RGB	39pin Connector(LVDS)
-10~50	-30~85	-30~85	-10~60	-10~60	-10~60
-20~60	-30~85	-30~85	-20~70	-20~70	-20~70
40℃,90% RH	60℃,90% RH	60℃,90% RH	50℃,80% RH	50℃,80% RH	60℃,90% RH

8.9"	8"	10.1"
Amazon	HJ080IA-01B	EJ101IA-01F
Module	Module	Module
8.9"	7.97	10.1"
203.5(W)X135.9(H)X2.7(D))	174.00x136.00x2.60	229.46 x 149.1 x 2.4(W/O PCB)
191.52(W) X119.7(H)	162.05 x 121.54	216.96 x 135.6
Transmissive	Transmissive	Transmissive
1920 X 3(RGB)X 1200	1024X3(RGB)X768	1280X 3(RGB)X 800
85/85/85/85	85/85/85/85	85/85/85/85
free	free	free
50%	50%	50%
16:10	4:3	16:10
400	350	350
800	800	800
25	25	25
0.03325(W) x 0.09975(H)	0.05275(W)X0.15825(H)	0.0565(W) X 0.1695(H)
255	161	150
2.6	TBD	TBD
150	TBD	TBD
40pin Connector(LVDS)	40pin FPC(LVDS)	40pin Connector(LVDS)
-20~60	-10~60	0~50
-30~70	-20~70	-20~60
40℃,90% RH	40℃, 90%RH	40℃, 90%RH