


TFT-LCD Modules for Industrial Applications

Rugged TFT-LCD Modules viewing excellence

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Features

- **Product Range:** From 5.7" to 19.0" (4:3 format),
from 4.3" to 17.5" (wide format),
19.2" (super wide format)
- **Optimal Visibility:** Wide Viewing Angle
Outdoor Use Technology with a Super High Brightness
Long Life White LED Backlight
- **High Reliability:** Wide Temperature Range (up to -30 to 80°C)
Upward Compatibility
Long Term Support
- **Enhanced View Ability:** Realistic Color: Natural Color Matrix
Motion Improvement: Feed Forward Driving

MITSUBISHI ELECTRIC EUROPE B.V. – Semiconductors
 Gothaer Straße 8 · D-40880 Ratingen
 Phone: +49 (0) 21 02/486 0 · Fax: +49 (0) 21 02/486 41 40
www.mitsubishichips.eu · semis.info@meg.mee.com

 **MITSUBISHI
ELECTRIC**
Changes for the Better

Mitsubishi Electric's Rugged TFT-LCD Modules Solution Matrix

Our Solution Your Interest		White LED Backlight	Super High Brightness	LED Driver Implement	Anti Reflection Coating	Glass Bonding Technology ¹	Transflective Technology	Super Wide Viewing Angle	Mechanical Compatibility	Interface Compatibility
		Readable under influence of bright Sunshine Low Power Consumption Save development cost, time and resources (compatible outline-dimension / Interface) Convenient backlight for every condition Constant color appearance from all viewing angles Environmental friendly	x	x	x	x	x	x	x	x

Color code

- mechanical compatibility
- LVDS Interface
- CMOS Interface (several types of CMOS available)

Screen Size (inch)	Resolution (pixel)	Model Name	Brightness (cd/m ²)	Contrast Ratio	Electric Interface	Outline Dimensions W x H x D (mm)
4.3	WVGA	AA043MA01	200	400:1	CMOS	103.0 x 67.5 x 5.3
		AA050MC01	300	600:1	CMOS	118.5 x 77.8 x 3.5
5.0	WVGA	AA050ME01	420	450:1	CMOS	118.5 x 77.8 x 3.5
		AA050MG01	800	900:1	CMOS	118.5 x 84.7 x 3.9
		AA050MG02	800	700:1	CMOS	118.5 x 84.7 x 3.9
		AA057QD01	450	600:1	CMOS	144.0 x 104.6 x 8.8
5.7	QVGA	AA057VF12	400	600:1	CMOS	135.0 x 104.6 x 8.9
	VGA	AA057VG12	250	185:1	CMOS	135.0 x 104.6 x 8.9
		AA065VD11	700	600:1	CMOS	154.0 x 121.0 x 11.0
6.5	VGA	AA065VE11	700	600:1	LVDS	154.0 x 121.0 x 11.0
		AA070MC01	1000	1000:1	LVDS	169.8 x 109.7 x 8.9
8.4	VGA	AA084VE01	200	200:1	CMOS	199.5 x 149.0 x 11.5
		AA084VF03	480	600:1	CMOS	199.5 x 149.0 x 11.5
		AA084VG01	800	600:1	CMOS	199.5 x 149.0 x 11.5
		AA084VJ01	800	600:1	LVDS	199.5 x 149.0 x 11.5
		AA084VJ11	800	600:1	LVDS	199.5 x 149.0 x 11.5
		AA084SB01	600	600:1	LVDS	199.5 x 149.0 x 11.5
	SVGA	AA084SB11	1200	600:1	LVDS	199.5 x 149.0 x 11.5
		AA084SC01	600	1200:1	LVDS	199.5 x 149.0 x 11.5
		AA084XB01	400	600:1	LVDS	199.5 x 149.0 x 11.5
		AA084XB11	1000	600:1	LVDS	199.5 x 149.0 x 11.5
9.0	QHD	AA090AA01	400	1000:1	LVDS	217.0 x 130.0 x 9.5
	WVGA	AA090ME01	400	900:1	LVDS	219.0 x 136.2 x 9.5
		AA090MF01	800	800:1	LVDS	219.0 x 136.2 x 9.5
	WXGA	AA090TA01	800	800:1	LVDS	219.0 x 136.2 x 9.5
10.4	VGA	AA104VH02	700	700:1	CMOS	230.0 x 180.2 x 10.5
		AA104VH12	1500	700:1	CMOS	230.0 x 180.2 x 10.5
		AA104VJ02	800	700:1	LVDS	230.0 x 180.2 x 10.5
		AA104VJ12	800	700:1	LVDS	230.0 x 180.2 x 10.5
	SVGA	AA104SH02	700	700:1	LVDS	230.0 x 180.2 x 10.5
		AA104SH12	1200	700:1	LVDS	230.0 x 180.2 x 10.5
		AA104SJ02	600	1200:1	LVDS	230.0 x 180.2 x 10.5
		AA104XD02	600	700:1	LVDS	230.0 x 180.2 x 10.5
10.6	WXGA	AA104XD12	1000	700:1	LVDS	230.0 x 180.2 x 10.5
		AA106TA01	1000	1000:1	LVDS	250.0 x 157.0 x 8.9
12.1	SVGA	AA121SM02	400	600:1	LVDS	280.0 x 210.0 x 12.0
		AA121SP06	450	600:1	LVDS	280.0 x 210.0 x 12.0
		AA121ST01	600	1200:1	LVDS	280.0 x 210.0 x 12.0
	XGA	AA121XK01	400	600:1	LVDS	280.0 x 210.0 x 12.0
		AA121XK02	400	600:1	LVDS	280.0 x 210.0 x 12.0
		AA121XL01	1000	600:1	LVDS	260.5 x 203.0 x 9.7
14.1	WXGA	AA121TD01	700	700:1	LVDS	283.0 x 185.1 x 9.7
		AA141TC01	800	700:1	LVDS	336.0 x 216.5 x 16.0
15.0	XGA	AA150XS01	350	1000:1	LVDS	326.0 x 255.0 x 16.6
		AA150XS11	1100	1000:1	LVDS	326.0 x 255.0 x 16.6
		AA150XT01	800	800:1	LVDS	326.0 x 255.0 x 16.6
		AA150XT11	1500	800:1	LVDS	326.0 x 255.0 x 16.6
		AA170EB01	550	800:1	LVDS	358.5 x 296.5 x 16.9
17.5	WXGA	AA175TD01	700	700:1	LVDS	404.0 x 258.0 x 16.2
19.0	SXGA	AA190EA01	1500	800:1	LVDS	404.2 x 33.0 x 20.0
19.2	1/3 HD	AA192AA01	500	700:1	LVDS	496.0 x 109.2 x 13.9

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¹ Option. Please contact Mitsubishi Electric for further details.