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FOR IMMEDIATE RELEASE

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Mitsubishi Electric to Launch 10.25-, 12.3- and 15.0-inch Wide-HD TFT-LCD Modules for Automotive Use

Wide sizes and high performance also suited to industrial equipment

TOKYO, April 23, 2019 – [Mitsubishi Electric Corporation](http://www.mitsubishi-electric.com) (TOKYO: 6503) announced today its coming launch of three new TFT-LCD modules for not only in automobiles but also industrial equipment such as ships and construction and agricultural machinery that require large screens combined with high performance and superior quality. Sales will begin July 16 through Mitsubishi Electric offices worldwide. The new models will be exhibited at Society for Information Display (SID) Display Week in the U.S. city of San Jose, California from May 14 to 16.



Mitsubishi Electric's new color TFT-LCD modules
(from left: AA103AE01, AA123AF01 and AA150AC01)

Product Features

1) *Wide dimensions and rear mounting ideal for car interiors*

- In addition to rear mounting, the models' wide 8:3 aspect ratio can accommodate display elements including instrument cluster, center panel and side-camera screen, ideal for space-limited car interiors

2) *High resolution, super-wide viewing angles, high brightness and wide operating temperature range*

- High-resolution screens of 1,920 (H) × 720 (V) are capable of displaying dense information with superb clarity (10.25-inch: 200ppi, 12.3-inch: 167ppi, and 15.0-inch: 137ppi)
- Super-wide 176-degree viewing angles, both horizontal and vertical, high brightness of 1,000 cd/m² and high contrast ratio of 1,000:1 ensure excellent visibility in bright environments.

- Vibrant graphics achieved with enhanced color reproduction (NTSC ratio Typ. $\geq 70\%$)
- Wide operating temperature range from -40 to 85 degrees Celsius withstands extreme temperatures of car interiors.

3) **Failure-detection function and adoption of international standards for high reliability**

- Failure-detection function incorporated in LCD display enhances driving safety
- Design based on IATF16949 standard contributes to high reliability

Sales Schedule

Product	Size	Resolution	Model	Shipment
TFT-LCD Module	10.25-inch	Wide-HD	AA103AE01	July 16, 2019
	12.3-inch	Wide-HD	AA123AF01	
	15.0-inch	Wide-HD	AA150AC01	

Specifications

	AA103AE01	AA123AF01	AA150AC01
Display size (resolution)	10.25-inch Wide-HD	12.3-inch Wide-HD	15.0-inch Wide-HD
Display area (mm)	243.648 (H) \times 91.368 (V)	292.32 (H) \times 109.62 (V)	355.68 (H) \times 133.38 (V)
Dots	1,920 (H) \times 720 (V)		
Pixel pitch (mm)	0.1269 (H) \times 0.1269 (V)	0.15225 (H) \times 0.15225 (V)	0.18525 (H) \times 0.18525 (V)
Contrast ratio	1,000:1		
Luminance (cd/m ²)	1,000		
View angles ($^{\circ}$) (U/D), (L/R)	88/88, 88/88		
Colors	16.77M (8bit/color)		
Color gamut (NTSC; %)	72		70
LED driver	-		
Backlight lifetime (Typ.)(hr)	30,000		
Electrical interface	LVDS 8bit		
Dimensions (mm)	259.1 \times 106.9 \times 6.2*	305.3 \times 127.9 \times 7.4*	374.5 \times 154.5 \times 11.6*
Operating temperatures ($^{\circ}$ C)	-40 to +85		

* w/o PCB and bosses for mounting

Environmental Awareness

The models are mercury-free and fully compliant with the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) directive 2011/65/EU, (EU) 2015/863.

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About Mitsubishi Electric Corporation

With nearly 100 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavors to be a global, leading green company, enriching society with technology. The company recorded consolidated group sales of 4,444.4 billion yen (in accordance with IFRS; US\$ 41.9 billion*) in the fiscal year ended March 31, 2018. For more information visit:

www.MitsubishiElectric.com

*At an exchange rate of 106 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2018