

CCD Camera Modules, Color EVF, and VPS Panel Product Kits

Color EVF and VPS Panel Product Kits

TFT Color LCD Panels

Type No.	Effective Screen Size (mm)	Pixel Count (Pixel)	Display Method	Display Color	Drive Method	Contrast	Pixel Arrangement	H/V Driver Supply Voltage (V)	Total Panel Power Consumption (mW)	Transmittance (%)	Horizontal Resolution (TV Scan Lines)	Application and Function	Package
MCL0512 (EVF)	1.3cm (0.5 type) 9.09mm(H) × 6.9mm(V)	505 Pixel (H) × 230 Pixel (V)	Transmission TN liquid crystal, normally white	Full color	TFT driver built-in active matrix	1:200	RGB delta	14.0 ± 0.5	120mW max	2.3%	230	Video camera, electronic still camera projection	C29
MCL1331 (VPS)	3.3cm (1.3 type) 26.24mm(H) × 19.68mm(V)	640 Pixel (H) × 480 Pixel (V)	Transmission TN liquid crystal, normally white	Mono-chrome	TFT driver built-in active matrix	1:200	RGB Square pattern	14.0 ± 0.5		12.5%		Projector	C30

Back Lighting Unit

Category	Type No.	Remarks
Flat cold cathode fluorescent lamp	K-CF22T4E85	High-brightness low power consumption

Timing Control CMOS LSIs

Category	Type No.	Operating Voltage (V)	Process	Function	Package	
					No.	
LCD drive timing control	MN83803A	Signal generator: 4.5 ~ 5.5 LCD drive: 16.0 ~ 20.0 (MAX. 20V)	CMOS	LCD display controller for both EVF and VPS Built-in backlighting controller Compatible with both NTSC and PAL TV systems	QFH048-P-0707 (0.5mm pitch)	L50

Signal Processing Bipolar ICs

Category	Type No.	Operating Voltage (V)	Process	Function	Package	
					No.	
EVF circuit VPS circuit	AN2523FAP	V _{CC1} 4.5 ~ 5.1 V _{CC2} 14.7 ~ 15.3	Bipolar	TFT color LCD panel Compatible with both NTSC and PAL TV systems Signal processing	SSOP042-P-0450	B87
	AN5372FAP	4.2 ~ 5.2		TFT color LCD panel Compatible with both NTSC and PAL TV systems Low voltage, video chroma processing	SSOP042-P-0450	B87
	AN2527FHP	V _{CC1} 4.5 ~ 5.1 V _{CC2} 11.7 ~ 15.3		TFT color LCD panel Compatible with both NTSC and PAL TV systems CPS/CPN compatible image signal processing	QFH048-P-0707	B98

(Package Symbol) QFH = Quad Flat High Package