



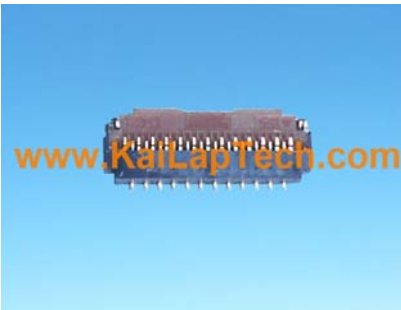
KLT-L7MA-HI-843B V1.0

Hynix HI-843B MIPI Interfaz Enfoque automático 8MP Módulo de cámara



Módulo de cámara No.	KLT-L7MA-HI-843B V1.0
Sensor de imagen	HI-843B
EFL	2.93 mm
F.NO	2.0
Pixel	3280 x 2464
Ángulo de visión	75°
Tipo de lente	1/4 pulgada
Dimensiones de la lente	8.50 x 8.50 x 4.82 mm
Tamaño del módulo	17.24 x 8.50 mm
Tipo de módulo	Enfoque automático
Interfaz	MIPI

N. ° de pieza del conector de acoplamiento. FH26-25S-0.3SHW(60)



Conector de acoplamiento en la placa principal. Se vende por separado.

Hi-843

8MP 1/4" CMOS Image Sensor

Advanced 1.12 μ m BSI 8M pixel image sensor generating 30fps full-resolution at low power consumption

➤ **Compact Form Factor for Front Camera**

Fit into 6.5mm X 6.5mm camera module size
(Fixed Focus)

➤ **Low Power Consumption**

180mW @ 30fps full-resolution

➤ **Competitive Image Quality**

Advanced optical path structure to reduce X-talk and temporal color noise

➤ **High Frame Rate**

8M(3264x2448) 30fps over 2 or 4 lane MIPI for zero shutter lag

➤ **Large OTP Memory**

8K Byte OTP Memory for customer use(storing module calibration data such as LSC and AWB)

➤ **2D-LSC**

Built-in 2D-LSC for per-module LSC calibration

➤ **Frame Synchronization**

FSYNC for dual camera application

Applications

- Smart Phones
- Tablets

Hi-843

8MP 1/4" CMOS Image Sensor

Features	
Resolution	8Mpixel (3,280 x 2,464)
Optical format	1/4"
Pixel size	1.12um BSI
Frame rate	30fps@QUXGA 60fps@FHD 1080P 90fps@HD 720P
Power consumption	180mW @ 30fps full-resolution
Interface	MIPI 4-Lane
CRA	32.80 degree non-linear
OTP	8K Byte
On-chip functions	Black level calibration 2D-LSC Frame synchronization iHDR

Specifications	
• Active array size	3673.60um(H) X 2759.68um(V)
• Power Supply	Analog: 2.8V (Typical) Digital Core: 1.2V (Typical) I/O: 1.8V/2.8V (Typical)
• Input Clock Frequency	6~27MHz
• Output Format	10bit Bayer Raw
• Gain	Analog : 1.0x~16.0x Digital : 1.0x~8.0x
• Subsampling	1/2, 1/4

[Functional Block Diagram]

