

zFrog CS-BH1721

Digital Ambient Light Sensor Module

Data Sheet

- **BH1721FVC (조도 센서, Ambient Light Sensor IC)**
 - ✓ Wide range and High resolution. (1 ~ 65528)
 - ✓ Low Current by power down function
 - ✓ 50Hz / 60Hz Light noise reject-function
 - ✓ 1.8V Logic input interface
 - ✓ Light source dependency is little. (ex. Incandescent Lamp. Fluorescent Lamp. Halogen Lamp. White LED. Sun Light)
 - ✓ Small measurement variation (+/- 15%)
- **Input Voltage 2.4~3.6V**
- **I2C interface (Slave Address: "0100011")**

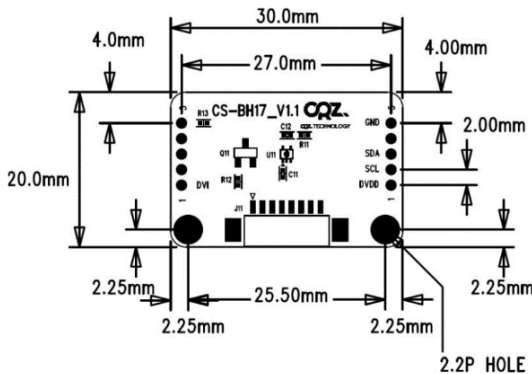


ST	Slave Address "0100011"	R/W 1	Ack	High Byte [15:8] 2 ¹⁵ 2 ¹⁴ 2 ¹³ 2 ¹² 2 ¹¹ 2 ¹⁰ 2 ⁹ 2 ⁸	Ack
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Low Byte [7:0] 2 ⁷ 2 ⁶ 2 ⁵ 2 ⁴ 2 ³ 2 ² 2 ¹ 2 ⁰	ACK	SP
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- **PCB Size: 30mm x 20mm**



J1 센서 확장 커넥터		J2 센서 확장 커넥터	
Pin 1	DVI	Pin 1	DVDD
Pin 2	Not Connect	Pin 2	I2C_SCL
Pin 3	Not Connect	Pin 3	I2C_SDA
Pin 4	Not Connect	Pin 4	DVI
Pin 5	BD_DETECT	Pin 5	GND

8핀 커넥터			
Pin 1	DVDD	Pin 5	Not Connect
Pin 2	I2C_SCL	Pin 6	DVI
Pin 3	I2C_SDA	Pin 7	Not Connect
Pin 4	BD_DETECT	Pin 8	GND