

## 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")**

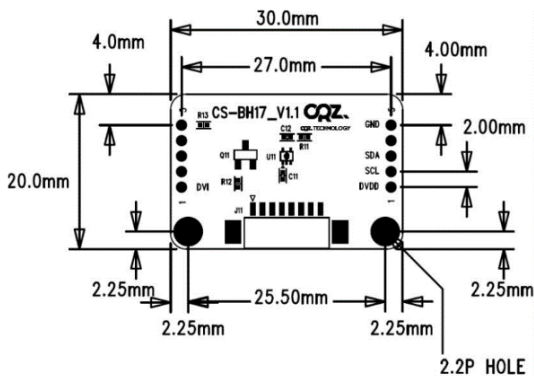


ST	Slave Address "0100011"	R/W 1	Ack	High Byte [15:8] 2 <sup>15</sup> 2 <sup>14</sup> 2 <sup>13</sup> 2 <sup>12</sup> 2 <sup>11</sup> 2 <sup>10</sup> 2 <sup>9</sup> 2 <sup>8</sup>	Ack
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Low Byte [7:0] 2 <sup>7</sup> 2 <sup>6</sup> 2 <sup>5</sup> 2 <sup>4</sup> 2 <sup>3</sup> 2 <sup>2</sup> 2 <sup>1</sup> 2 <sup>0</sup>	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