AS7265x Spectral Sensor

Shutter LEDs: Luxeon 3014
28mW @ 60mA
CR1: 80

Open JP1 to remove I2C pullups from bus

3.3V 10uF
C2 0.1uF
GND

U1
SCL_M
SDA_M
RX/SCL
TX/SDA
ADDN
SCK
MOSI
MISO
VDD
LED_IND
LED_DRV
GND
SCL_CU
SDA_CU
I2C_ENB

Communication Protocol:
I2C
Serial
Open
Closed
I2C
Closed
Open

7-bit unshifted I2C address: 0x49

Open default: I2C Operation
Closed: Serial Operation

4-bit Flash Memory

The AS72651 must be held in reset while programming flash

Interfaces

CLEAR JP1 to remove I2C pullups from bus

3.3V 22k
R11
RX/SCL
GND

3.3V 1k
J3
RX/SDA
SCL
SDA
GND
VCC

3.3V
J2
RX/SCL
GND
VCC

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