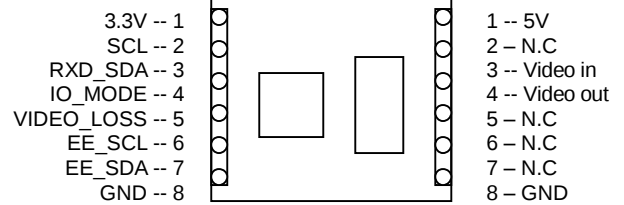


FMO-06H

FOSD Module



PCB Size: 28 mm x 23 mm

Pin pitch: 2 mm

J1-J2 pitch: 24.89 mm

J1 PIN

PIN	Name	I/O	Function
1	3.3V		3.3V input voltage
2	SCL	output	I2C SCL
3	RXD_SDA	input	UART RX or I2C SDA
4	IO_MODE	input	Interface mode. UART: high, I2C: low
5	VIDEO_LOSS	output	Video loss detection. Active high
6	N.C (EE_SCL)		For backup EEPROM (Not used)
7	N.C (EE_SDA)		For backup EEPROM (Not used)
8	GND		Ground

J2 PIN

PIN	Name	I/O	Function
1	5V		5V input voltage
2	N.C		
3	VIDEO_IN	input	Analog video input
4	VIDEO_OUT	output	Analog video output
5	N.C		
6	N.C		
7	N.C		
8	GND		Ground

Interfacing with external MCU via UART

J1

3.3V	Connect to +3.3V input voltage
SCL	
RXD_SDA	Connect to TX pin of MCU
IO_MODE	Connect to +3.3V input voltage
VIDEO_LOSS	
NC	
NC	
GND	Connect to ground

J2

5V	Connect to +5V input voltage
NC	
VIDEO_IN	To video signal (Camera, etc.)
VIDEO_OUT	To Video monitor (TV monitor, etc.)
NC	
NC	
NC	
GND	Connect to ground

Interfacing with external MCU via I2C

J1

3.3V	Connect to +3.3V input voltage
SCL	To SCL pin of MCU (with 4.7k pull-up)
RXD_SDA	To SDA pin of MCU (with 4.7k pull-up)
IO_MODE	Connect to ground
VIDEO_LOSS	
NC	
NC	
GND	Connect to ground

J2

5V	Connect to +5V input voltage
NC	
VIDEO_IN	To video signal (Camera, etc.)
VIDEO_OUT	To Video monitor (TV monitor, etc.)
NC	
NC	
NC	
GND	Connect to ground