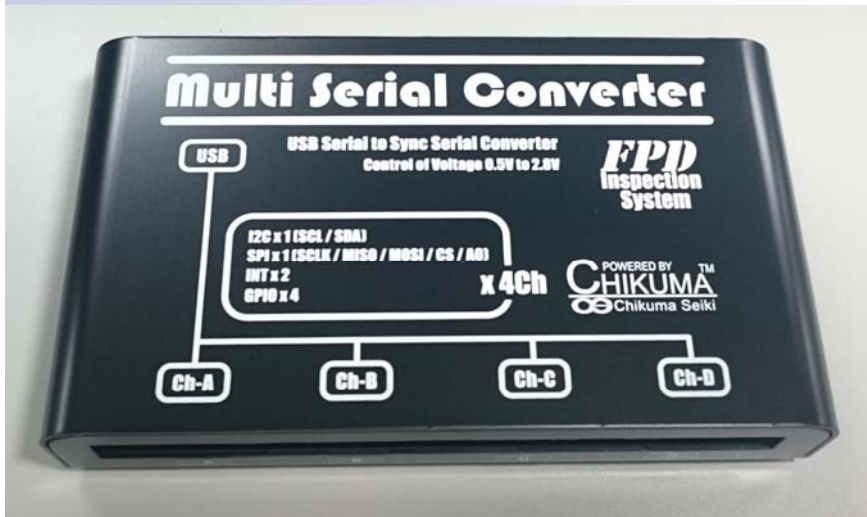


Multi Serial Converter

CP-438-01

USB Controlled Multi Serial Converter with Read Buffer



- 4 I2C (Up to 10MHz Speed)
SCL, SDA
- 4 SPI (Up to 30MHz Speed)
SCLK, MOSI, MISO, CS, A0
- 4 50KB Memory
Continuous Read Buffer
- 4 2-Interrupt Inputs
For TP-INT
- 4 4-GPIOs
Direction Pair 01, 23

【Pin Assignment and Information】

#	Item	Description	Remark	Level	#	Item	Description
1	SCL	I2C Serial Clock	CMOS Output 100K/400K/1M/5M/10MHz	0.5V to 2.8V	2	GND	
3	SDA	I2C Serial Data	Bidirectional	0.5V to 2.8V	4	GND	
5	SCLK	SPI Serial Clock	CMOS Output 100K/500K/1M/5M/10M/20M/30MHz	0.5V to 2.8V	6	GND	
7	MOSI	SPI Master Out Slave In	CMOS Output	0.5V to 2.8V	8	GND	
9	MISO	SPI Master In Slave Out	CMOS Input	0.5V to 2.8V	10	GND	
11	CS	SPI Chip Select	CMOS Output	0.5V to 2.8V	12	GND	
13	A0	SPI Command / Data Select	CMOS Output	0.5V to 2.8V	14	GND	
15	INT_0	Auxiliary Interrupt Input	CMOS Input	0.5V to 2.8V	16	GND	
17	INT_1	Auxiliary Interrupt Input	CMOS Input	0.5V to 2.8V	18	GND	
19	GPIO0	General Purpose I/O	Same Direction with GPIO1	0.5V to 2.8V	20	GND	
21	GPIO1	General Purpose I/O	Same Direction with GPIO0	0.5V to 2.8V	22	GND	
23	GPIO2	General Purpose I/O	Same Direction with GPIO3	0.5V to 2.8V	24	GND	
25	GPIO3	General Purpose I/O	Same Direction with GPIO2	0.5V to 2.8V	26	GND	

Any Connection not Required for 27 to 30

Item	Description	Remarks
Power Source	USB Bus Power	500mA
Control Method	USB	USB Serial I/F
Dimensions	165mm(W) x 93mm(D) x 30mm(H)	Case Size (with Foot, 34.4mm Height)