

Protocol Simulator Board 2



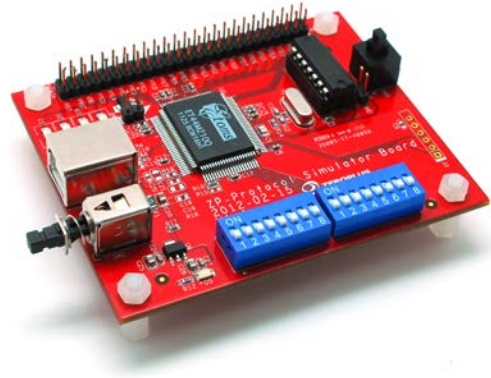
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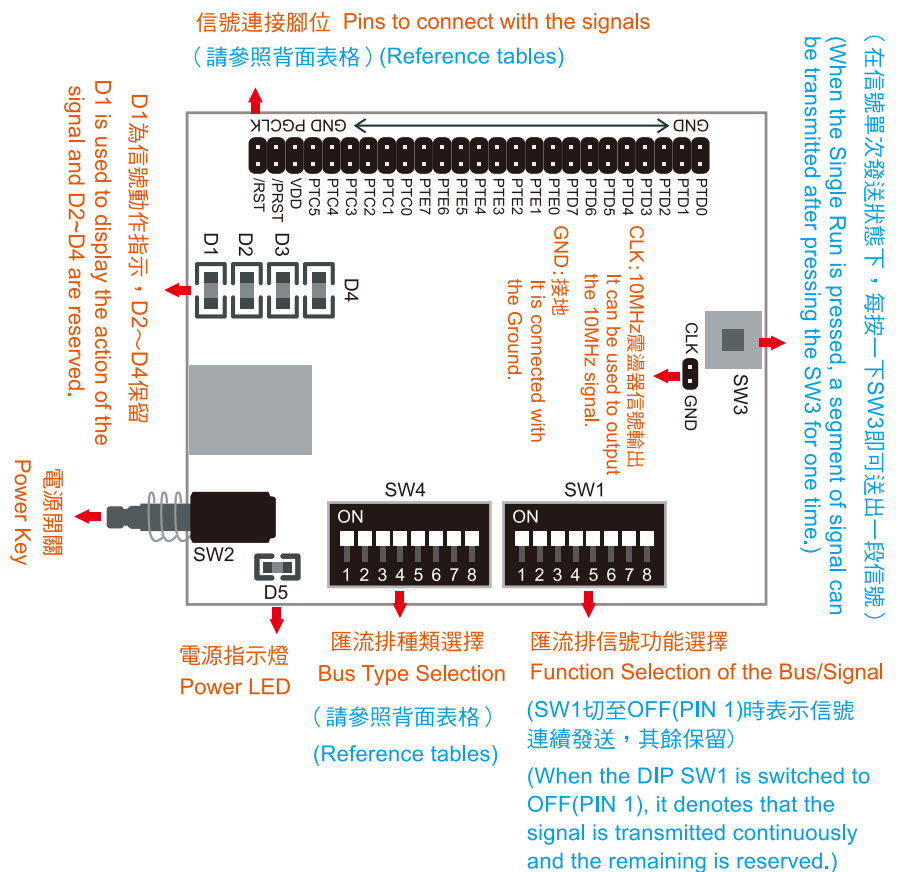
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Brief Introduction

- size: 7 cm x 9.7 cm x 2.5cm
- I2C(EEPROM 24L), PCI, MODIFIED MILLER, ISO7816 UART, SDQ, HD Aduio, UNI/O, MODIFIED SPI, WIEGAND, DALI Interface, SCCB, LPT, SAMSUNG K9(NAND Flash), Compact Flash 4.1, OPENTHERM2.2, PHILIPS RC-5, MVB, PROFIBUS, WTB, PHILIPS RC-6, HDMI_CEC, HPI, DSI BUS, MICROWIRE (EEPROM 93C), DM114 DM115, DS1302, SPI(EEPROM AT25F), SVID, PT22262/PT2272, I2C(EEPROM 24LCS61/24LCS62), SHT11, LG4572, WWW/WWWVH/WWWVB, MIL-STD-1553, FWH, S2CWIRE/AS2CWIRE, DS18B20, GPIB, CMOS IMAGE, BDM, YK-5, HART, SWP, BMS, USB 2.0, KEELOQ Code Hopping, Differential Manchester, eMMC, 1-Wire, KNX, MIDI, SWD, SD3.0, Line Code, Quad SPI
- This function can simulate the bus signal outputting (CMD, CLK, DATA), and decode the signal with the LA. Now nearly 100 buses are supported and the number still grows. The LA can quickly decode the signal that contains supported protocol analyzer packet format. For example, the signal sent by I2C Start, Address, Read, Write, Data, A-ACK, D-ACK, Stop, etc.



NO.	Bus Name	Switch Mode of SW4 (Dip Switch)	Pin Description
1	I2C (EEPROM 24L)		SDA = PTD0 SCL = PTD1
2	PCI		CLK = PTD0 FRAME = PTD1 IRDY = PTD2 TRDY = PTD3 DEVSEL = PTD4 PAR = PTD5 PERR = PTD6 SERR = PTD7 C/DEO = PTE0~PTE3 IDSEL = PTE4 STOP = PTE5 RESET = PTD6
3	MODIFIED MILLER		CLK = PTD0
4	ISO7816 UART		DATA = PTD0 CLK = PTD1
5	SDQ		SDQ = PTD0
6	HD Aduio		BCLK = PTD0 SYNC = PTD1 SDO = PTD2 SDI = PTD3 RST = PTD4
7	UNI/O		SCIO = PTD0
8	MODIFIED SPI		CS = PTD2 SCK = PTD0 SDA = PTD1
9	WIEGAND		DATA0 = PTD0 DATA1 = PTD1
10	DALI Interface		D+ = PTD0 D- = PTD1
11	SCCB		SI0C = PTD0 SI0D = PTD1 SCCBE = PTD2
12	LPT		DB0-DB7 = PTD0-PTD7, /STROBE = PTE0, /ACK = PTE1, BUSY = PTE2
13	SAMSUNG K9 (NAND Flash)		D0-D7 = PTD0-PTD7, CLE = PTE0, ALE = PTE1, /RE = PTE2, /WE = PTE3, WP = PTE4, /CE1 = PTE5, R/B1 = PTE6
14	Compact Flash 4.1		DMARQ = PTD0, DMACK = PTD1, CS1 = PTD2, CS0 = PTD3, A0 = PTD4, A1 = PTD5, A2 = PTD6, IORD = PTD7, IOWR = PTE0, IORDY = PTE1, D0-D5 = PTE2-PTE7
15	OPENTHERM 2.2		DATA = PTD0
16	Philips RC-5		DATA1 = PTD0 DATA2 = PTD1
17	MVB		DATA = PTD0
18	PROFIBUS		D+ = PTD0 D- = PTD1

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19	WTB		DATA = PTD0
20	Philips RC-6		DATA1 = PTD0 DATA2 = PTD1
21	HDMI CEC		DATA = PTD0
22	HPI		HCS = PTD0 HCNT1 = PTD1 HCNT0 = PTD2 HR/W = PTD3 HDS1 = PTD4 HDS2 = PTD5 HHWIL = PTD6 D0-D7 = PTD7-PTE7
23	DSI Bus		DATA1 = PTD0 DATA2 = PTD1
24	MICROWIRE (EEPROM 93C)		CLK = PTD0 CS = PTD1 DI = PTD2 DO = PTD3
25	DM114/DM115		CLOCK = PTD0 SERIALIN = PTD1 LATCH = PTD2 ENABLE = PTD3
26	DS1302		SCLK = PTD0 RST = PTD1 I/O = PTD2
27	SPI Compatible (Atmel Memory)		CS = PTD0 SCK = PTD1 SI = PTD2 SO = PTD3 HOLD = PTD4
28	SVID		VCLK = PTD0 VDIO = PTD1
29	PT2262/PT2272		D+ = PTD0 D- = PTD1
30	I2C (EEPROM 24LCS61/24LCS62)		SDA = PTD0 SCL = PTD1
31	SHT11		SCK = PTD0 DATA = PTD1
32	LG4572		DATA = PTD0 STB = PTD1
33	WWW/WWWH/WWVB		WWWB = PTD0 WWW = PTD2
34	MIL-STD-1553		PTD0
35	FWH		CLK = PTD0 FWH4 = PTD1 FWH0~3 = PTD2~5
36	S2Cwire/AS2Cwire		PTD0
37	DS18B20		PTD0

NO.	Bus Name	Switch Mode of SW4 (Dip Switch)	Pin Description
38	GPIB		IO1-8 = PTD0~7 ATN = PTE0, DAV = PTE1, NDAC = PTE2 NRFD = PTE3 EOI = PTE4 SRQ = PTE5 IFC = PTE6 REN = PTE7
39	CMOS IMAGE		D0-D7 : PTD0-7 HSYNC : PTE0 VSYNC : PTE1 PCLK : PTE2
40	BDM		BKGD : PTD0
41	YK-5		Positive : PTD0 Negative : PTD1
42	HART		Master to Slave (Positive):PTD0 Slave to Master (Positive):PTD1 Master to Slave (Negative):PTD2 Slave to Master (Negative):PTD3
43	SWP		S1 : PTD0 S2 : PTD1
44	BMS		Positive : PTD0 Negative : PTD1
45	USB 2.0		D0~D7 : PTD D8~D16 : PTE Rx_valid : PTC0 Clk = PTC3 (CLK connects with the LA as its external CLK with a sampling frequency of 30MHz.)
46	KEELOQ Code Hopping		PWM : PTD0 S2 : PTD1
47	Differential Manchester		PTD0
48	eMMC		CLK : PTE0 CMD Line : PTE1 DATA0~7 : PTD0~PTD7
49	1-Wire(Advanced)		ONE WIRE I/O = PTD0
50	KNX		Tx : PD0 Rx : PD1
51	MIDI		Din : PD0
52	SWD		SWCLK : PTD0 SWDIO : PTD1
53	SD3.0		CLK : PD0 CMDLine : PD1 D[0..3] : PD2~PD5
54	LineCode		PD0 : NRZI (Transition occurs for a one) PD1: Manchester (Thomas) PD2Differential Manchester PD3 : CMI
55	QuadSPI		PD0 : CS PD1 : CLK PD2 : SI PD3 : SO PD4 : WP PD5 : Hold