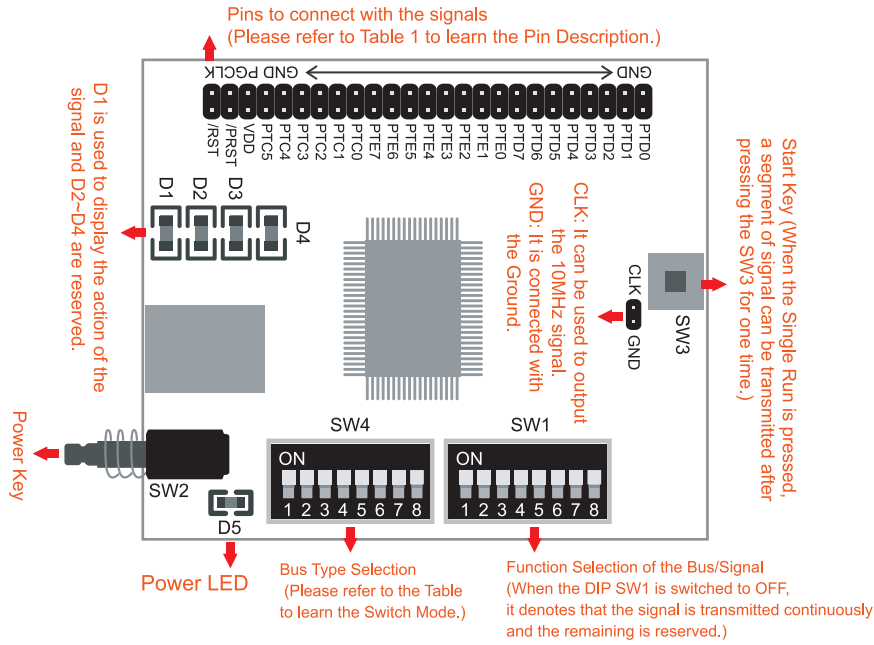


Protocol Simulator Board 1



NO.	Switch Mode of SW4 (Dip Switch)	Pin Description	NO.	Switch Mode of SW4 (Dip Switch)	Pin Description
18		<p>NOT In=PTD0 Out=PTD1</p> <p>AND In1=PTD2 In2=PTD3 Out=PTD4</p> <p>OR In1=PTD5 In2=PTD6 Out=PTD7</p> <p>NAND In1=PTE0 In2=PTE1 Out=PTE2</p>	<p>NOR In1=PTE3 In2=PTE4 Out=PTE5</p> <p>XOR In1=PTE6 In2=PTE7 Out=PTC0</p> <p>XNOR In1=PTC1 In2=PTC2 Out=PTC3</p>		<p>MII: TX/RX_CLK=PTD0 TX_EN/RX_DV=PTD1 D1 TX/RX_ER=PTD2 TX_COL=PTD3 TX/RX_D3=PTD4 TX/RX_D2=PTD5 TX/RX_D1=PTD6 TX/RX_D0=PTD7</p> <p>SMI: MDC=PTE0 MDIO=PTE1</p>
19		<p>Addr Augend=PTD0~PTD3 Addend=PTD4~PTD7 Sum=PTE0~PTE3 Carry in bit=PTE4 Carry out bit=PTE5 Subtractor Minued=PTD0~PTD3 Subtrahend=PTD4~PTD7 Difference=PTE0~PTE3</p>	<p>Borrow Output=PTE4 Borrow Input=PTE5 Multiplier Multiplicand=PTD0~PTD3 Multiplier=PTD4~PTD7 Product=PTE0~PTE7 Divider Divided=PTD0~PTD3 Divisor=PTD4~PTD7 Quotient=PTE0~PTE3 Remainder=PTE4~PTE7</p>		<p>LCD1602</p> <p>DB[0] = PTD0 DB[1] = PTD1 DB[2] = PTD2 DB[3] = PTD3 DB[4] = PTD4 DB[5] = PTD5 DB[6] = PTD6 DB[7] = PTD7 RS = PTE0 R/W = PTE1 E = PTE2</p>

NO.	Bus Name	Switch Mode of SW4 (Dip Switch)	Pin Description	NO.	Bus Name	Switch Mode of SW4 (Dip Switch)	Pin Description
0	Up Counter		Up to 0X00~0XFF=PTD0~PTD7	9	USB1.0		D+ =PTD0 D- =PTD1
1	I2C		SDA =PTD0 SCL =PTD1	10	Low Pin Count		LCLK=PTD0 LFRAME=PTD1 LAD[3]=PTD2 LAD[2]=PTD3 LAD[1]=PTD4 LAD[0]=PTD5
2	SPI		SCK =PTD0 CS =PTD1 DATA0=PTD2 DATA1=PTD3	11	SSI Interface		SLK =PTD0 FS =PTD1 RD/TD=PTD2
3	UART (RS-232C/422/485)		TX=PTD0	12	MICROWIRE (EEPROM93C)		SLK =PTD0 SS =PTD1 DATA =PTD2
4	1-Wire		ONE WIRE I/O=PTD0	13	LIN 2.1		LIN=PTD0
5	HDQ		HDQ=PTD0	14	MANCHESTER		MANCHESTER =PTD0
6	CAN2.0B		CAN_L=PTD0 CAN_H=PTD1	15	MILLER		MILLER =PTD0
7	PS/2		CLOCK= PTD0 DATA=PTD1	16	S/PDIF		S/PDIF=PTD0
8	I2S		LRCK=PTD0 SCLK =PTD1 SDA =PTD2	17	SD2.0/SDIO		CLK=PTD0 CMD =PTD1 DATA[3]=PTD4 DATA[2]=PTD5 DATA[1]=PTD6 DATA[0]=PTD7

NO.	Bus Name	Switch Mode of SW4 (Dip Switch)	Pin Description	NO.	Bus Name	Switch Mode of SW4 (Dip Switch)	Pin Description	NO.	Bus Name	Switch Mode of SW4 (Dip Switch)	Pin Description
22	MOD Bus		MODBUS=PTD0	28	LPC-SERIRQ		LCLK =PTD0 SERIRO =PTD1	34	MCU-51 DECODE		P0.0~P0.7=PTD0~PTD7 P2.0~P2.7=PTE0~PTE7 ALE=PTC0 PSEN=PTC1
23	7-SEGMENT LED		A=PTD0 B=PTD1 C=PTD2 D=PTD3 E=PTD4 F=PTD5 G=PTD6 COM=PTD7 DP=PTE0	29	JTAG2.0		TCK=PTD0 TMS=PTD1 TDI/O=PTD2 TREST=PTD3	35	NEC_PD6122		carrier wave mode DATA=PTD0 no carrier wave mode DATA=PTD1
24	ST Bus		FR=PTD0 SDA=PTD1 CLK=PTD2	30	DSA Interface		DATA=PTD0 STB=PTD1 ACK=PTD2	36	PM Bus1.1		CLK=PTD0 DATA=PTD1
25	IRDA		IRDA_SIR=PTD0 ASK_IR=PTD1 IRDA_HDLC=PTD2 IRDA_FIR=PTD3	31	ST7669		3-Wire Mode : /CS=PTD0 SCL=PTD1 SI=PTD2 4-Wire Mode : /CS=PTD4 A0=PTD5 SCL=PTD6 SI=PTD7	37	PSB Interface		SD0=PTD0
26	DMX512		DMX_D+=PTD0 DMX_D-=PTD1	32	LCD12864		RS/CS=PTD0 WR/SID=PTD1 E/SCLK=PTD2 DB[0]=PTD3 DB[1]=PTD4 DB[2]=PTD5 DB[3]=PTD6 DB[4]=PTD7 DB[5]=PTE0 DB[6]=PTE1 DB[7]=PTE2	38	SM Bus 2.0		SMBLCK=PTD0 SMBDAT=PTD1
27	FLEXRAY 2.1A		TXD=PTD0 TXEN =PTD1	33	PCM		SCLK=PTD0 FS=PTD1 DT=PTD2 DR=PTD3	39	DIGRF		CTRL mode CTRLLEN=PTD0 CTRLCLK=PTD1 CTRLDATA=PTD2 RXTX mode RXTX_EN=PTD3 SYCLK=PTD4 RXTX_DATA=PTD5
40	AC97		SYNC=PTD0 BITCLK=PTD1 SDI/SDO=PTD2 RESET=PTD3	41	SLE4442		CLK=PTD0 I/O=PTD1 RST=PTD2	42	CCIR656		DB0=PTD0 DB1=PTD1 DB2=PTD2 DB3=PTD3 DB4=PTD4 DB5=PTD5 DB6=PTD6 DB7=PTD7 CLK=PTE0 Decimal[1]=PTE1 Decimal[0]=PTE2
43	PECI		PECI=PTD0	44	3-WIRE		CS=PTD0 SCLK =PTD1 I/O =PTD2	45	J-K FLIP-FLOP		CP=PTD0 CLR=PTD1 PR=PTD2 J/J=PTD3 K/K=PTD4 Q=PTD5 Q=PTD6