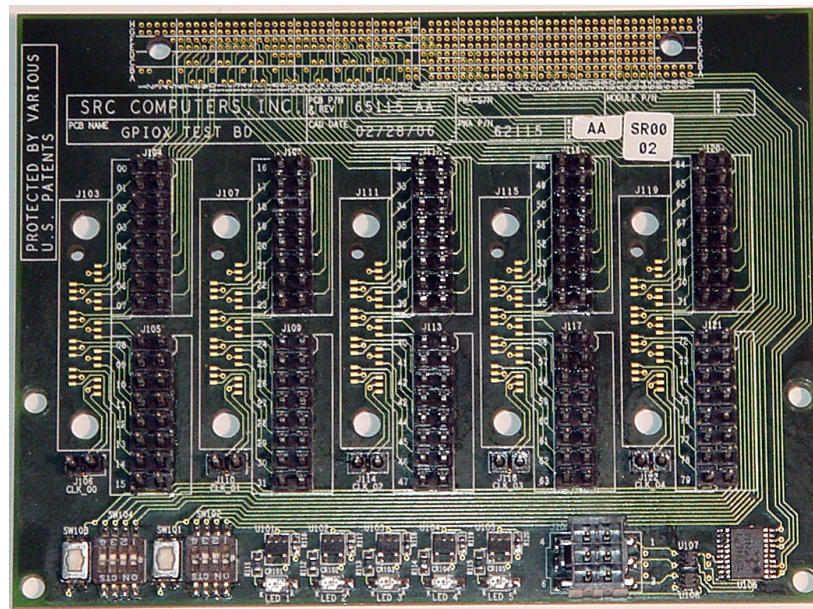


GPIOX Test Board

The SRC® GPIOX Test Board plugs into the GPIOX connector and provides connectors for logic analyzers, scopes and signal generators. This allows the engineer to both monitor signals from and inject signals into the USER logic. There are also two pushbutton switches and eight DIP switches to provide input into the USER logic, and five LED indicator lights that are controlled by the USER logic. Finally there is a 4 Mbit Flash PROM that can be programmed with a JTAG download cable. The data stored in the PROM can then be read by the USER logic.

- 80 single ended data signals or;
 40 data pairs (positive and negative)
- 10 single ended clocks or;
 5 clock pairs (positive and negative)
- 10 8x2 data headers (.025" square, .100" spacing)
- 5 2x1 clock headers (.025" square, .100" spacing)
- 2 pushbutton switch inputs
- 8 DIP switch inputs
- 5 LED indicator lights
- 1 4Mbit flash PROM
- 1 JTAG connector (Samtec IPL1-103-02-F-D)



SIGNAL/COMPONENT/PIN#	GPIOX SIGNAL/PIN#	SIGNAL/COMPONENT/PIN#	GPIOX SIGNAL/PIN#
DATA_00/(J104/2),(J103/A1)	A40P/G5	DATA_55/(116/16),(J115/B6)	A46N/G30
DATA_01/(J104/4),(J103/A3)	A40N/G6	DATA_56/(J117/2),(J115/A7)	A14P/B23
DATA_02/(J104/6),(J103/B1)	A33P/F7	DATA_57/(J117/4),(J115/A9)	A14N/B24
DATA_03/(J104/8),(J103/B3)	A33N/F8	DATA_58/(J117/6),(J115/B7)	A23P/C25
DATA_04/(J104/10),(J103/A4)	A26P/E9	DATA_59/(J117/8),(J115/B9)	A23N/C26
DATA_05/(J104/12),(J103/A6)	A26N/E10	DATA_60/(J117/10),(J115/A10)	A06P/A25
DATA_06/(J104/14),(J103/B4)	A41P/G9	DATA_61/(J117/12),(J115,A12)	A06N/A26
DATA_07/(J104/16),(J103/B6)	A41N/G10	DATA_62/(J117/14),(J115/B10)	A15P/B27
DATA_08/(J105/2),(J103/A7)	A09P/B3	DATA_63/(J117/16),(J115/B12)	A15N/B28
DATA_09/(J105/4),(J103/A9)	A09N/B4	DATA_64/(J120/2),(J119/A1)	A32P/E33
DATA_10/(J105/6),(J103/B7)	A18P/C5	DATA_65/(J120/4),(J119/A3)	A32N/E34
DATA_11/(J105/8),(J103/B9)	A18N/C6	DATA_66/(J120/6),(J119/B1)	A17P/B35
DATA_12/(J105/10),(J103/A10)	A01P/A5	DATA_67/(J120/8),(J119/B3)	A17N/B36
DATA_13/(J105/12),(J103/A12)	A01N/A6	DATA_68/(J120/10),(J119/A4)	A39P/F31
DATA_14/(J105/14),(J103/B10)	A10P/B7	DATA_69/(J120/12),(J119/A6)	A39N/F32
DATA_15/(J105/16),(J103/B12)	A10N/B8	DATA_70/(J120/14),(J119/B4)	A47P/G33
DATA_16/(J108/2),(J107/A1)	A34P/F11	DATA_71/(J120/16),(J119/B6)	A47N/G34
DATA_17/(J108/4),(J107/A3)	A34N/F12	DATA_72/(J121/2),(J119/A7)	A07P/A29
DATA_18/(J108/6),(J107/B1)	A42P/G13	DATA_73/(J121/4),(J119/A9)	A07N/A30
DATA_19/(J108/8),(J107/B3)	A42N/G14	DATA_74/(J121/6),(J119/B7)	A16P/B31
DATA_20/(J108/10),(J107/A4)	A35P/F15	DATA_75/(J121/8),(J119/B9)	A16N/B32
DATA_21/(J108/12),(J107/A6)	A35N/F16	DATA_76/(J121/10),(J119/A10)	A25P/C33
DATA_22/(J108/14),(J107/B4)	A43P/G17	DATA_77/(J121/12),(J119/A12)	A25N/C34
DATA_23/(J108/16),(J107/B6)	A43N/G18	DATA_78/(J121/14),(J119/B10)	A08P/A33
DATA_24/(J109/2),(J107/A7)	A02P/A9	DATA_79/(J121/16),(J119/B12)	A08N/A34
DATA_25/(J109/4),(J107/A9)	A02N/A10	CLK_00_P/(J106/2),(J103/A13)	A00P/A1
DATA_26/(J109/6),(J107/B7)	A11P/B11	CLK_00_N/J103/A15	A00N/A2
DATA_27/(J109/8),(J107/B9)	A11N/B12	CLK_01_P/(J110/2),(J107/A13)	A19P/C9
DATA_28/(J109/10),(J107/A10)	A20P/C13	CLK_01_N/J107/A15	A19N/C10
DATA_29/(J109/12),(J107/A12)	A20N/C14	CLK_02_P/(J114/2),(J111/A13)	A12P/B15
DATA_30/(J109/14),(J107/B10)	A03P/A13	CLK_02_N/J111/A15	A12N/B16
DATA_31/(J109/16),(J107/B12)	A03N/A14	CLK_03_P/(J118/2),(J115/A13)	A05P/A21
DATA_32/(J112/2),(J111/A1)	A36P/F19	CLK_03_N/J115/A15	A05N/A22
DATA_33/(J112/4),(J111,A3)	A36N/F20	CLK_04_P/(J122/2),(J119/A13)	A24P/C29
DATA_34/(J112/6),(J111/B1)	A44P/G21	CLK_04_N/J199/A15	A24N/C30
DATA_35/(J112/8),(J111/B3)	A44N/G22	LED1/CR101	B05N/A50
DATA_36/(J112/10),(J111/A4)	A37P/F23	LED2/CR102	B04P/A53
DATA_37/(J112/12),(J111/A6)	A37N/F24	LED3/CR103	B04N/A54
DATA_38/(J112/14),(J111/B4)	A30P/E25	LED4/CR104	B03P/A57
DATA_39/(J112/16),(J111/B6)	A30N/E26	LED5/CR105	B03N/A58
DATA_40/(J113/2),(J111/A7)	A21P/C17	SW_PB1#/SW101	B12N/B56
DATA_41/(J113/4),(J111/A9)	A21N/C18	SW_PB2#/SW103	B14P/B47
DATA_42/(J113/6),(J111/B7)	A04P/A17	CMD_SW0/SW102/1	B10N/B64
DATA_43/(J113/8),(J111/B9)	A04N/A18	CMD_SW1/SW102/3	B10P/B63
DATA_44/(J113/10),(J111/A10)	A13P/B19	CMD_SW2/SW102/5	B11P/B59
DATA_45/(J113/12),(J111/A12)	A13N/B20	CMD_SW3/SW102/7	B11N/B60
DATA_46/(J113/14),(J111/B10)	A22P/C21	CMD_SW4/SW104/1	B12P/B55
DATA_47/(J113/16),(J111/B12)	A22N/C22	CMD_SW5/SW104/3	B13N/B52
DATA_48/(J116/2),(J115/A1)	A45P/G25	CMD_SW6/SW104/5	B13P/B51
DATA_49/(J116/4),(J115/A3)	A45N/G26	CMD_SW7/SW104/7	B14N/B48
DATA_50/(J116/6),(J115/B1)	A38P/F27	SPROM_DIN/U106/1	B00N/A70
DATA_51/(J116/8),(J115/B3)	A38N/F28	SPROM_CCLK/U106/3	B00P/A69
DATA_52/(J116/10),(J115/A4)	A31P/E29	SPROM_RES#/U106/8	B02N/A52
DATA_53/(J116/12),(J115A6)	A31N/E30	SPROM_CE#/U106/10	B01P/A65
DATA_54/(J116/14),(J115B4)	A46P/G29	SPROM_CF#/U106/7	B01N/A66