

AGP Probe

FS2220 Timing Probe

Quick Start Instructions REV 1.6

The AGP Probe is a timing only tool that can be used along with your Agilent logic analyzer to analyze your 1X or 2X AGP. This probe consists of two boards connected by a high speed AMP connector. Connection to the logic analyzer is provided by the FS1000 high density adapters.

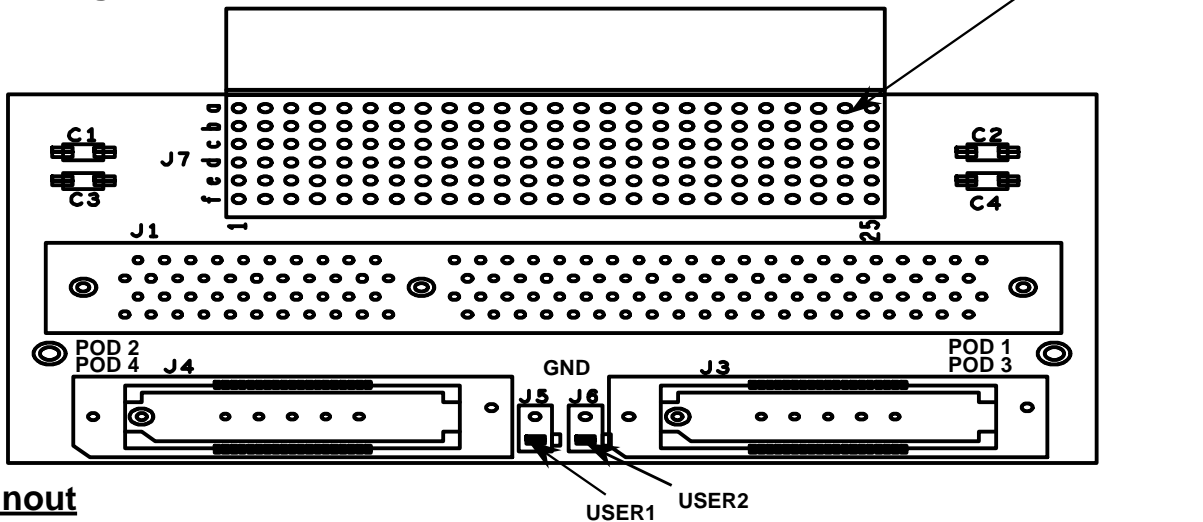
Timing Analysis

- Step 1.** Connect two FS1000 high density adapter cables to the AGP probe. Connect PODs 1-4 of the logic analyzer to the high density adapter cables. Take note that the bottom POD from each FS1000 will correspond to logic analyzer PODS 1 and 2 respectively.
- Step 2.** Install the target AGP card into the AGP connector on the FS2220. Then install the entire assembly into a slot in the system target.
- Step 3.** Load the logic analyzer with the appropriate file (see table below) from the FS2220 software diskette. When loading the appropriate file select the logic analyzer as the target of the load. Do not select LOAD ALL or LOAD SYSTEM.

<u>Logic Analyzer</u>	<u>File name</u>
1660	F660AGPT
16550	F550AGPT
16555/ 167x	F555AGPT
1655x	F555AGPH 500 Mhz half channel

Step 4. To acquire data touch the RUN button on the Waveform screen.

FS2220 Drawing - board 2



FS2220 Pinout

Corresponding Logic Analyzer Channel	POD 1	POD 2	POD 3	POD 4
clk/16	AD STB0	AD STB1	SB STB	CLK
15	AD15	AD31	SBA3	USER2
14	AD14	AD30	SBA2	USER1
13	AD13	AD29	SBA1	INTB
12	AD12	AD28	SBA0	INTA
11	AD11	AD27	C/BE3	RST
10	AD10	AD26	C/BE2	REQ
9	AD9	AD25	IRDY	GNT
8	AD8	AD24	FRAME	ST2
7	AD7	AD23	DEVSEL	ST1
6	AD6	AD22	TRDY	ST0
5	AD5	AD21	STOP	RBF
4	AD4	AD20	PERR	PIPE
3	AD3	AD19	SERR	SBA7
2	AD2	AD18	PAR	SBA6
1	AD1	AD17	C/BE1	SBA5
0	AD0	AD16	C/BE0	SBA4