

Pin assignment of the 60-pin connector on the GTFE/GTRC probe cards

GTFE probe card

Pin #		Signals on GTFE	
Pos	Neg	Name	Pad #
1	2	TRIG_ROP/M	56/55
3	4	DATA_ROP/M	52/51
5	6	DATA_OUTP/M	29/30
7	8	TRIG_OUTP/M	27/28
9	10	DATA_LOP/M	7/8
11	12	TRIG_LOP/M	3/4
13	14	CTRLREG	26
15	16	A0	17
17	18	A1	16
19	20	A2	15
21	22	A3	14
23	24	A4	13
25	26	TRIG_LIP/M	54/53
27	28	DATA_LIP/M	50/49
29	30	EINP/M	38/37
31	32	RESET	42
33	34	EPOM	39
35	36	CMDRP/M	35/36
37	38	CLKRP/M	33/34
39	40	TACKRP/M	32/31
41	42	TACKLP/M	24/25
43	44	CLKLP/M	23/22
45	46	CMDLP/M	21/20
47	48	DATA_RIP/M	5/6
49	50	TRIG_RIP/M	1/2
51	52	LVDD/DGND	—
53	54	DVDD/DGND	19,40/18,41
55	56	2.5 V/DGND	—
57	58	AVDD2/AGND	11,45/12,44
59	60	AVDD/GND	9,46/12,44

GTRC probe card

Pin #		Signals on GTRC	
Pos	Neg	Name	Pad #
1	2	TACKBP/M	42/43
3	4	SCMD_OUTP/M	40/41
5	6	CLKBP/M	38/39
7	8	NTREQP/M	27/28
9	10	NSDATAP/M	18/19
11	12	NTOKEN_OUTP/M	14/15
13	14	NRESETP/M	29/30
15	16	NTACKP/M	25/26
17	18	CLKP/M	22/24
19	20	NSCMDP/M	20/21
21	22	NSDATA_INP/M	16/17
23	24	NTOKENP/M	11/13
25	26	RD_INP/M	5/6
27	28	TREQ_INP/M	3/4
29	30	SE	44
31	32	A3	35
33	34	A2	33
35	36	A1	32
37	38	A0	31
39	40	LEFT	9
41	42	RESETB	8
43	44	CTRLREG	7
45	46	SDI	2
47	—	CLKBP*	38
48	—	CLKBM*	39
49	—	NTREQP*	27
50	—	NTREQM*	28
51	—	NSDATAP*	18
52	—	NSDATAM*	19
53	—	NTOKEN_OUTP*	14
54	—	NTOKEN_OUTM*	15
55	56	VDD/GND	12,34/1,23
57	58	2.5 V/GND	—
59	60	3.3 V/GND	—

*) Sense line to measure LVDS voltage swings