3-Apr-02

ZPD BGA1152 Finder/Fitter Pinout

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
A		GND	GND	9		11		GND		VCO	21					VCO			VCO				49		VCO		GND	60		63		GND	GND		**A**
B	GND	GND	CNFG	10		12			17		22		27		GND					GND	43		50					61		64			GND	GND	**B**
C	GND		GND	Vbatt	VCA		14			GND	23		28		32		VCA					46		GND			58		VCA	tdi	GND		GND	**C**
D	FR0			GND	tdo	13	VCO		16	18		24				35				40		47			55			VCO	62	prog-b	GND			MB0	**D**
E	FR1	0	1		GND	tms		15		19		GND	29		VCO			Clk60		VCO	44		GND	52			59		hswp	GND		72	Frame	MB1	**E**
F	FR2	FR3	FR4	2		GND	tck									36		38							56			dxn	GND		69		MB2	MB3	**F**
G	FR5	FR6	FR7	VCO	3		GND	RSVD		20		25		GND	33	37		39			GND	48		53			dxp	GND		68	VCO		MB4	MB5	**G**
H	GND	FR8	FR9	FR10		4		GND				26		30						41				54		57	GND						MB6	GND	**H**
J				FR11			5							31		GND			GND	Run	45		51				66				70	73	MB8	MB7	**J**
K	VCO		GND					6	7	vrp	vrn				34			Clk4	Reset	42												GND	MB9	VCO	**K**
L	XB0	XB1							8		VCI	VCO	VCO	VCO	VCO					VCO	VCO	VCO	VCO	VCI		65								MB10	**L**
M	XB2	XB3			GND						VCO	VCI	VCO	VCO	VCO	VCO	VCO	VCO	VCO	VCO	VCO	VCO	VCI	VCO						GND		74	MB11	MB12	**M**
N		XB4									VCO	VCO	VCI	VCI	VCI	VCI	VCI	VCI	VCI	VCI	VCI	VCI	VCO	VCO									MB13		**N**
P		XB5					GND				VCO	VCO	VCI	GND	GND	GND	GND	GND	GND	GND	GND	VCI	VCO	VCO				GND			71		MB14		**P**
R	XB6	GND	XB7		VCO						VCO	VCO	VCI	GND	GND	GND	GND	GND	GND	GND	GND	VCI	VCO	VCO				67		VCO			GND		**R**
T	VCO	ERR							GND			VCO	VCI	GND	GND	GND	GND	GND	GND	GND	GND	VCI	VCO			GND								VCO	**T**
U	L1A	ret-buf	DAQR									VCO	VCI	GND	GND	GND	GND	GND	GND	GND	GND	VCI	VCO								VCA	MB15	LW	**U**
V	L1aWB0,1		VCA									VCO	VCI	GND	GND	GND	GND	GND	GND	GND	GND	VCI	VCO								R-S	D-LO	D-HI	**V**
W	VCO		retDB0						GND			VCO	VCI	GND	GND	GND	GND	GND	GND	GND	GND	VCI	VCO			GND					S_A		VCO	**W**
Y		GND	,1		VCO						VCO	VCO	VCI	GND	GND	GND	GND	GND	GND	GND	GND	VCI	VCO	VCO					VCO	P_M_FR		GND		**Y**
AA	E_L_F	P_LFD		LA0			GND				VCO	VCO	VCI	GND	GND	GND	GND	GND	GND	GND	GND	VCI	VCO	VCO			GND					CS[A]		**AA**
AB		P_LMB		LA1							VCO	VCO	VCI	VCI	VCI	VCI	VCI	VCI	VCI	VCI	VCI	VCI	VCO	VCO								CS[B]		**AB**
AC	P_L_F	LA4	LA2	LA3	GND						VCO	VCI	VCO	VCO	VCO	VCO	VCO	VCO	VCO	VCO	VCO	VCO	VCI	VCO					GND					**AC**
AD	A_L_F	LA6	LA8	LA5							VCI	VCO	VCO	VCO	VCO					VCO	VCO	VCO	VCO	VCI							E_MF			**AD**
AE	VCO	LA11	GND	LA7																											GND		VCO	**AE**
AF	LA12	LA9		LA10												GND			GND															**AF**
AG	GND	LA14	LA17		LA13			GND		D0														D6	D7		GND							GND	**AG**
AH	LA16	LA18	LA15	VCO			GND	cclk	GA0		D1			GND							GND					m0	GND			VCO	P_MF	P_MM		**AH**
AJ	LA21	LA19	LA17	LA20		GND	done		GA1	GA2																	m1	GND			os_M			**AJ**
AK	LA25	LA23	LA29	LA22	GND	pwdnB	D2	D3				GND			VCO					VCO			GND				D4	m2	GND		S_M			**AK**
AL	LA30	LA27	LA26	GND	init		VCO																				VCO	D5	rdwrb	GND				**AL**
AM	GND	LA24	GND		VCA					GND								VCA							GND					VCA	csb	GND		GND	**AM**
AN	GND	GND	LA28												GND						GND												GND	GND	**AN**
AP		GND	GND	LA31				GND		VCO						VCO			VCO						VCO		GND					GND	GND		**AP**

Note: LA pinout for FF5 only - no 0 to 15

Routing columns (to right)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	0	1	9	3	11	14	15	17	18	21	24	27	30	32	35	clk4	clk60		40	43	46	49	52	55	57	58	60	68	63	70	72	Frame	
		2	10	4	12	5	16	7	19	22	25	28	31	34	36		38		41	44	47	50	53	56	65	59	61	62	64	71	73			
					13		6	8	20	23	26	29	33		37		39		42	45	48	51	54	R-R		66	67		69	74				
0	1	2	2	2	3	2	3	3	3	3	3	3	3	2	3	1	3	0	3	3	3	3	3	2	2	3	3	2	3	3	2	1	0	**78**