

BOARD AND CHIP COUNT for Layer 00 addition to SVT_Feb3,2000.															
plain figures are total project cost, bold is what is really needed taking into account orders placed in 1999															
all prices in Mlit															
board name	reuse merger	XTRP receiver	XTRP fanout	total+ spare %	#total	total tobuy	unit cost Klit	+IVA (20%)	total cost Mlit	min ord	vendor quote Klit	vendor	contact via	when	note
XTF-C		XTF-A	XTF-B												
#prototypes		1	1												
#in SVT	6	1	2												
#for boards production/repair in Italy	0														
total needed	6	2	3												
spares (>= 15%)(to be kept in B0)	1	1	1												
total to be built	7	3	4												
IC-part name															
SN74ABTE16245DL16-bit tranceiver	6	6		30	60	78	10.85	13.02	1.0	1	7.65	Vistel	offerta	7/99	6\$now
SN74ABTE16246DL11-bit OC tranceiver	1	1		30	10	13	16.15	19.38	0.3	1	10.6	Vistel	offerta	7/99	9\$now
KM681002B-10:32-SOI-400128kx8ram	15	3		30	114	148	13.8	16.6	2.5	440	8.95	Vistel	offerta	7/99	6-10\$now
KM6161002B-10:44-SOI-64kx16ram		6		30	18	23	5	6	0.2	50	5	Silversta	offerta	12/99	bought!
CY7C1049-20VC:512kx8ram		6		30	18	23	36	43.2	1.0	50	5	Silversta	offerta	12/99	only for 8
CY7C4245-10JC4kx18fifo	8	2		30	68	88	75.8	90.96	0.7	10	75.8	Vistel	offerta	7/99	55\$now!
CY7C4245-10AC4kx18fifo	1	1		30	14	18	13.6	16.32	0.3	n.d.	17.6	Pinnacle	offerta	11/98	28\$now
CY7B992-5IC/QS5992-5JR.Irobo/turboCLK	1	1		30	14	18	43.2	51.84	0.9	98	43.2	Vistel	offerta	7/99	17\$now
CY7B9920-5SC/QS59920-5SOJr.	16	1	36	30	259	337	4.4	5.28	1.8	1	4.4	Silversta	offerta	7/99	55\$now
DS90C031TMLVDSdriver	26	23	6	30	275	358	4.4	5.28	1.9	1	4.4	Silversta	offerta	7/99	55\$now
KEL8830E-052-170L.Hrightangleplug	6	1	6	30	69	90	9	10.8	1.0	100	9.1	KEL	offerta	2/98	
EPC2LC20		6	1	30	22	29	50	60	1.7	1	??	Wyle	web	9/99	33\$now
EPM7512AEQC208-7AlteraPLD	5	7	1	30	35	46	420	504	23.2	24	252.\$	Arrow	web	2/00	160\$lasttime
ALTEPFI0K20RC240-3	1			30	7	9	24.2	29.09	0.3		??	Silversta	offerta	12/99	101\$now
MERGERmiscellaneousmallparts		1		30	7	9	24.2	29.09	0.3						
XTFmiscellaneousmallparts		1	1	30	7	9	24.2	29.09	0.3						
AM27C512-5564kx8EPROM	1	1		30	10	13	9.4	10	0.1	30	9.4	Vistel	offerta	10/98	same\$now
total component cost									49.9						
cost per board per unit (Mlit)	3.98	2.63	0.59												
cost per board per unit including 30% spares	5.2	3.4	0.8												
component cost per all boards (Mlit)	36.4	30	10.2	3	sum= 49.8	sum= 33									
6 layer pcb fabrication (each)	0.7	0.7	0.7												
number of prototype pcb's	0	4	4												
number of spare pcb's	1	2	3												
NR Epcb: artwork & test setup	0.5	2	2												
pcb fabrication (all boards)	6.1	0.0	8.3	8.3	5.9										
pcb fabrication (all boards)+IVA	7.3	0.0	10.0	10.0	7.1										
board assembly (each)	1	0.5	0.4												
NR Assembly: solder stencil & mount setup	0.5	2	2												
board assembly (all boards)	7.5	3.5	3.5	3.5	1.8										
board assembly (all boards)+IVA	9	4.2	4.2	4.2	2.16										
total cost pcb+assembly	16.3	9.0	14.2	14.2	9.2										
total all boards cost	53.0	39.0	24.0	17.0	9.0										
grand total XTF-A/B/C=	96	65													
total XTF A/B= "baseline"	43	26													
total for adding Layer 00 "XTF-C"	53	39													