BOARD AND CHIP COUNT for Layer 00 addition to SVT. Feb 3, 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														
board acronym	**XTF-C**		**XTF-A**		**XTF-B**														
# prototypes			1		1														
# in SVT	6		1		2														
# for boards production/repair in Italy			0		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							**#total**	spare %	**total + spare**	**total to buy**	unit cost Klit	+ IVA (20%)	**total cost Mlit**	min ord	vendor quote Klit	vendor	contac via	when	**note**
SN74ABTE16245DL 16-bit tranceiver	6		6				60	30	78	78	10.85	13.02	1.0	1	7.65	Vistel	offerta	7/99	6$ now
SN74ABTE16246DL 11-bit OC tranceiver	1		1				10	30	13	13	16.15	19.38	0.3	1	10.6	Vistel	offerta	7/99	9$ now
KM681002B-10 : 32-SOJ-400 128kx8 ram	15		3				114	30	148	148	13.8	16.6	2.5	440	8.95	Vistel	offerta	7/99	6~10$ now
KM6161002B-10 : 44-SOJ 64kx16 ram			6				18	30	23	40	5	6	0.2	50	5	Silversta	offerta	12/99	bought!
CY7C1049-20VC: 512kx8 ram			6				18	30	23	23	36	43.2	1.0	50	5	Silversta	offerta	12/99	only for 8
CY7C4245-10JC 4kx18 fifo			2				6	30	8	8	75.8	90.96	0.7	10	75.8	Vistel	offerta	7/99	55$ now
CY7C4245-10AC 4kx18 fifo	8		4				68	30	88	88	75.8	90.96	8.0	10	??	guess			50$ now !
CY7B992-5JC / QS5992-5JRI robo/turboCLK	1		1		1		14	30	18	18	13.6	16.32	0.3	n.d.	17.6	Pinnacle	offerta	11/98	28$ now
CY7B9920-5SC / QS59920-5SO jr.	1		1		1		14	30	18	18	43.2	51.84	0.9	98	43.2	Vistel	offerta	7/99	17$ now
DS90C031TM LVDS driver	16		1		36		259	30	337	337	4.4	5.28	1.8	1	4.4	Silversta	offerta	7/99	5$ now
DS90C032TM LVDS receiver	26		23		6		275	30	358	358	4.4	5.28	1.9	1	4.4	Silversta	offerta	7/99	5$ now
KEL 8830E-052-170LH right angle plug	6		1		6		69	30	90	90	9	10.8	1.0	100	9.1	KEL	offerta	2/98	
EPC2LC20			6		1		22	30	29	29	50	60	1.7	1	??	Wyle	web	9/99	33$ now
EPM7512AEQC208-7 Altera PLD	5						35	30	46	46	420	504	23.2	24	252$	Arrow	web	2/00	160$ last time
ALTEPF10K20RC240-3			7		1		25	30	33	32	125	150	4.8	24	??	Silversta	offerta	12/99	101$ now
MERGER miscellaneus small parts	1						7	30	9	9	24.2	29.09	0.3						
XTF miscellaneus small parts			1		1		7	30	9	9	24.2	29.09	0.3						
AM27C512-55 64Kx8 EPROM	1		1				10	30	13	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**	3.2		sum=	49.8	**sum=**	**33**									
6layer 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														
NRE pcb: artwork & test setup	0.5		2		2														
pcb fabrication (all boards)	6.1	**0.0**	8.3	**8.3**	9.7	**5.9**													
pcb fabrication (all boards) + IVA	7.3	**0.0**	10.0	**10.0**	11.6	**7.1**													
board assembly (each)	1		0.5		0.4														
NRE assembly: solder stencil & mount setup	0.5		2		2														
board assembly (all boards)	7.5	**7.5**	3.5	**3.5**	3.6	**1.8**													
board assembly (all boards) + IVA	9	**9**	4.2	**4.2**	4.32	**2.16**													
total cost pcb + assembly	16.3	**9.0**	14.2	**14.2**	16.0	**9.2**													
total all boards cost	53.0	**39.0**	24.0	**17.0**	19.0	**9.0**													
grand total XTF-A/B/C =	96	**65**																	
total XTF A/B = "baseline"	43	**26**																	
total for adding Layer00 "XTF-C"	53	**39**																	