2/17/00 10:18																										
BOARD AND CHIP COUNT	**VERSION 6.4**																									
for 2000 update of IC's																										
board name	hit buffer	hit buffer	assoc. memory board	merger	spy control	XTRP receiver	XTRP fanout	XTRP fanout for Ly00																		
board acronym	**AMS**	**HB**	**AMB**	**MRG**	**SC**	**XTF-A**	**XTF-B**	**XTF-C**																		
# in SVT	12	12	24	16	8	1	2	6																		
# in test stand in B0 (phi slice)	1	1	2	1	1	1	1																			
# for HF/TF production/repair at UC				1	1																					
# for AMS production/repair in Geneve	1		2	1	1																					
# for boards production/repair in Italy	1	1	1	7	1																					
total needed	15	14	29	26	12	2	3	6																		
spares (>= 15%) (to be kept in B0)	2	2	4	4	2	1	1	1																		
prototypes already built	1	2	2		2																					
total to be built	**18**	**18**	**35**	**30**	**16**	**3**	**4**	**7**																		
IC part name									**#total**	spare %	**total + spare**	**bought 1998**	**bought 1999**	**total buy**	**avail for use**	**to buy 2000**	min ord	to buy	unit cost Klit	+ IVA 20%	**total cost Mlit**	vendor quote Klit	vendor	contac via	when	**note**
SN74ABTE16245DL 16-bit tranceiver	6	6	6	6	7	9	3	6	799	30	1039	720	250	970		**69**	1	69	12	14.4	**0.99**	6.05$	Arrow	web	2/00	
SN74ABTE16246DL 11-bit OC trancei	1	1	1	1	1	1	1	1	131	30	170	130	30	160		**10**	1	10	17	20.4	**0.20**	8.44$	Arrow	web	2/00	
KM681002B-10 : 32-SOJ-400 128kx8 r	11	27		15		3		15	1248	30	1622	1200	300	1500		**122**	1	122	20	24	**2.93**	9.5$	Arrow	web	2/00	
KM681002B-10 : 32-TSOP-II 128kx8 ram		3							54	30	70	220		220		-150	50			0	0.00	9.5	Vistel	offerta	4/98	
KM6161002B-10 : SOJ44 64x16 ram						6			18	30	23		40	40		-17	1			0	0.00	9.5	Vistel	offerta	4/98	
CY7C1049-20VC: 512kx8 ram						6			18	30	23		8	8		**15**	1	15	60	72	**1.08**	30.6$	Arrow	web	2/00	
CY7C4245-10JC 4kx18 fifo	2	4				2			114	30	148	140	40	180		-32	10			0	0.00	52	Vistel	offerta	4/98	
CY7C4245-10AC 4kx18 fifo				8		4		8	308	30	400	340		340		**60**	1	60	100	120	**7.20**	50$	Arrow	web	2/00	
CY7B992-5JC / QS5992-5JRI robo/turboC	2	4	33	1		1	2	1	1311	30	1704	1600	100	1700		**4**	18	4	55	66	**0.26**	27.9$	Arrow	web	2/00	
CY7B9920-5SC / QS59920-5SO jr.			2	1		1		1	110	30	143	98	40	138		**5**	18	5	32	38.4	**0.19**	16.4$	Arrow	web	2/00	
DS90C031TM LVDS driver	7	8		16	1	1	36	16	1025	30	1333	960	336	1296		**37**	1	37	9	10.8	**0.40**	4.5$	Arrow	web	2/00	
DS90C032TM LVDS receiver	7	13		26	1	23	6	26	1431	30	1860	1248	432	1680		**180**	1	180	9.5	11.4	**2.05**	4.6$	Arrow	web	2/00	
KEL 8830E-052-170LH right angle plug		3		6		1	6	6	303	30	394	380		380		**14**	25	14	9	10.8	**0.15**	9.1	KEL	offerta	2/98	
EPM7512AEQC208-7 Altera PLD				5				5	185	30	241	24	168	192		**49**	24	49	420	504	**24.70**	252$	Arrow	web	2/00	
EPC2LC20					1	7	1		41	30	53		25	25		**28**	25	28	67	80.4	**2.25**	33.5$	Arrow	web	2/00	
ALTEPF10K20RC240-3						7	1		25	30	33		32	32		1	24			0	0.00	??	Wyle	web	9/99	
ALTEPF10K20RC208-4					1				16	30	21	24		24		-3	24			0	0.00	76.5	LASI	offerta	9/98	
AM27C512-55 64Kx8 EPROM		1	1	1	1	1		1	109	30	142	120		120		**22**	1	22	8	9.6	**0.21**	3.8$	Arrow	web	2/00	
SN74AS32D quad-OR gate SOIC14 150mil		2		6		6		6	276	30	359	200	200	400		-41	1		2	2.4	0.00	2	TI	web	11/98	
CD74HCT123M dual monost SOIC16 150mil		5		8	8	5	7	8	557	30	724	440	240	680		**44**	1	44	1.19	1.43	**0.06**	1.19	R.S.	catalogo	11/98	R.S.#833-670
QS74FCT2x245ATQ2 2x8-bit trans.			4						140	30	182	200		200		-18	1		8.77	10.5	0.00	8.77	Arrow	web	Jul-99	
SN74ALS08D quad-AND gate SOIC14 150mil		2	1	4	5	3		4	308	30	400	250	250	500		-100	1		0.68	0.82	0.00	0.68	R.S.	catalogo	11/98	R.S.#857-301
SN74ALS02D quad-NOR gate SOIC14 150mil		2		2	1	3	7	2	163	30	212	150	50	200		**12**	1	12	0.5	0.6	**0.01**	0.5	R.S.	catalogo	11/98	R.S.#857-272
SN74ALS540DW 8-bit inverter SOIC16 300mil			1	1	1	1		1	91	30	118	100	30	130		-12	1		2.71	3.25	0.00	2.71	R.S.	catalogo	9/98	R.S.#857-604
IDT74FCT521ATSO 8-bit comparator SOIC20 300mil			1	1	1	1		1	91	30	118	100	30	130		-12	1		5.47	6.56	0.00	5.47	AVNET	catalogo	9/98	
QS74FCT257ATQ clock mux QSOP			1						35	40	49	40	10	50		-1	1		7.52	9.02	0.00	7.52	R.S.	catalogo	9/98	
MC10H350P ECL-TTL receiver					1				16	30	21	20		20		1	1		20	24	0.00	20	motor	web	9/98	
SN74AC00D quad-NAND gate SOIC 14 150mil							6		24	30	31		33	33		-2	1		0.64	0.77	0.00	0.64	R.S.	catalogo	9/98	R.S.#258-0479
MAX701 reset chip					1	1	1		23	30	30		50	50		-20	1		3	3.6	0.00	3	?	guess	11/98	
Conn VME 5x32		2	3	2	2	3	3	2	268	40	375			0		375	1	375	10	12	4.50	?	R.S.	catalogo		
AMP 177983-2 female (receptacle) conn for Amplug			16						560	40	784	800		800		-16	800			0	0.00	2.45	Alta	offerta	9/98	
AMP 177984-2 male (plug) conn for Amplug			16						560	40	784	800		800		-16	800			0	0.00	2.45	Alta	offerta	9/98	
connettore AMP LVDS					2				32	30	42		40	40		2	?			0	0.00	2.45	?	guess	9/98	
QL12x16-0PF100C FPGA for GLUE3	1								18	30	23	25		25		-2	1			0	0.00	56.5	Ghelardi	offerta	4/98	
QL12x16-1PF100C FPGA for GLUE2/1			5						175	30	228	230		230		-2	1			0	0.00	49	Claitron	offerta	11/98	
QL16x24-1PF144C FPGA for GLUE0			16						560	30	728	740		740		-12	1			0	0.00	88	Claitron	offerta	11/98	
IDT 71B74-S8Y 8kx8 tag ram		8							144	50	216	189		189		27	OBS			0	0.00	21.5	Avnet	offerta	4/98	
XC73144-10PQ160C Xilinx 144 cells	6		1						143	40	200	190		190		10	OBS			0	0.00	61CHF	Annie	offerta	4/98	
XC73144-7PQ160C Xilinx 144 cells		5							90	40	126	120		120		6	OBS			0	0.00	99.5	Avnet	offerta	4/98	
XC7336-5PC44C Xilinx 36 cells	4	13							306	40	428	390		390		38	OBS			0	0.00	16.5	Avnet	offerta	4/98	
TOTAL COST NEW PARTS																					**47.19**					