

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Days Cost %	Cum Lead Time	Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
..3	255	28	P	22-7200-00-07	CAP,TRIM,20PF,100V,N450 C295,297,299 V TZ03T200FR	00	22	3.000000	3.000	EA 1.0000	8/03/99	99/99/99					65	68		N	1/19/95 7/19/95 4/07/98		JPN
..3	270	24	P	24-3023-07-00	VR-POTEN,TRIMMER,2K,30%,0.1W R97,99,195,203,292,293 V EVN-D8AA03B23	01	24	6.000000	6.000	EA 1.0000	7/24/99	99/99/99					65	68		N	1/19/95		JPN
..3	300	9	P	25-3168-00-51	CRYSTAL,HC49U,3.57954MHZ,30PPM X1 V 25-3168-00-51	00	25	1.000000	1.000	EA 1.0000	5/25/99	99/99/99					69	72		N		8/25/95	
..3	310	10	P	25-3348-00-20	CRYSTAL,8.00MHZ,+/-10PPM X3,4,5 V 25-3348-00-20 V 25-3348-00-20	01	25	3.000000	3.000	EA 1.0000	5/25/99	99/99/99					65	68		N		6/05/95	
..3	320	32	P	25-5227-00-00	X'FR,CPL,24.3LX19.8WX11.9H T1,2,3 V 671-8262	01	25	3.000000	3.000	EA 1.0000	8/05/99	99/99/99					95	98		N			
..3	370	11	P	27-0122-00-00	IC LM317T U76 V LM317T	00	27	1.000000	1.000	EA 1.0000	5/25/99	99/99/99					67	70		N			
..3	375	12	P	27-2071-07-00	IC,VOLT REG,TO33,LM7905CT U72 V LM7905CT	01	27	1.000000	1.000	EA 1.0000	7/08/99	99/99/99					82	85		N	4/07/95		MAL
..3	380	13	P	27-2109-01-00	IC,REGULATOR,5V,1A,CASE U71 V MC7805CT	01	27	1.000000	1.000	EA 1.0000	5/25/99	99/99/99					90	93		N	8/09/99		MAL
..3	390	18	P	27-30N6-00-N5	IC,EPROM,DIP,27C2048 U2 V AT27C2048-15PC	01	27	1.000000	1.000	EA 1.0000	7/19/99	99/99/99					105	108		N	1/03/98		USA
..3	400	14	P	39-3404-00-00	FOAM TAPE V 39-3404-00-00	01	39	3.000000	3.000	EA 1.0000	6/10/99	99/99/99					40	43		N	7/19/99		CHI
..3	405	25	P	40-0787-40-00	IC SCKT,DIP,2X20PIN V 8300-40AT00	01	40	1.000000	1.000	EA 1.0000	7/24/99	99/99/99					45	48		N	1/02/95		CHI
..3	406	30	P	40-2094-08-00	HEADER,SINGLE ROW,8PIN J9 V 2556P08UA00	01	40	1.000000	1.000	EA 1.0000	8/03/99	99/99/99					45	48		N	8/09/99		TWN
..3	407	29	P	40-2094-22-00	HEADER,SINGLE ROW,22PIN J6,7,8 V 2018P22VU00	01	40	3.000000	3.000	EA 1.0000	8/03/99	99/99/99					45	48		N			TWN
..3	410	23	P	40-5088-00-00	TEL JACK,PCB,4X5PIN J4 V 40-5088-00-00	01	40	1.000000	1.000	EA 1.0000	7/24/99	99/99/99					45	48		N			
..3	420	22	P	40-6100-00-00	PHONE JACK,PCB,5PIN J3 V 40-6100-00-00	01	40	1.000000	1.000	EA 1.0000	7/24/99	99/99/99					45	48		N	8/08/99		CHI
..3	430	35	P	40-6309-00-00	DIN SOCKET,5PIN V DS-013	01	40	1.000000	1.000	EA 1.0000	9/03/99	99/99/99					60	63		N	8/10/99		
..3	460	15	P	43-1065-00-00	LED,DIFFUSE,RED,D3X5.2 YAT SHUN	01	43	4.000000	4.000	EA 1.0000	5/25/99	99/99/99					45	48		N	9/06/99		CHI

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	UM	Scrap Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Cost %	Days Lead Time	Cum Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.		
..3	490	16	P	44-0065-03-01	D1,19,28,41 V 202HD/E-A 0.5A,250V,DIA5X20L,50F.0500.H F1,2,3	00	44	3.000000	3.000	EA	1.0000	5/25/99	99/99/99					60	63		N	12/15/98		CHI		
..3	500	21	P	44-1055-00-00	V 530-0500-411 RELAY,2POLES K1,2,3,4	01	44	4.000000	4.000	EA	1.0000	7/24/99	99/99/99					60	63		N			JPN		
..3	600	17	M	50-4290-04-00	SMDA,VT3921,BS MAIN	01	50	1.000000	1.000	EA	1.0000	5/25/99	99/99/99					1	4		N	8/04/99				
...4	80	1	P	20-0039-01-00	X'TR,CHIP,MMBT3906T,SOT23,RL Q7,22,33,38,46,54,60,61,64,75	01	20	10.000000	10.000	EA	1.0000	5/10/99	99/99/99					70	74		N			PHI TWN		
...4	90	2	P	20-0041-01-00	V MMBT3906LT1 V MMBT3906 V SMBT3906E-6327 V HMBT3906 X'TR,MMBT3904LT1,SOT-23,REEL Q1,2,3,4,5,6,9,10,11,12,13,14,15,16,18,19,20,21,23 Q27,29,30,31,32,34,35,36,37,39,40,41,42,43,44,45 Q47,48,49,50,51,52,53,55,56,57,58,62,63,65,67,68 Q69,70,71,72,73,24,25,26	00	20	59.000000	59.000	EA	1.0000	5/10/99	99/99/99							70	74		N	5/25/98 1/15/98 1/15/98 6/05/98		PHI TWN
...4	95	110	P	20-3071-03-00	V MMBT3904LT1 V SMBT3904E-6327 V MMBT3904 V HMBT3904 X'TR,MPN,SOT-89,SMD Q8,17,28	01	20	3.000000	3.000	EA	1.0000	7/19/99	99/99/99					82	86		N	1/15/98 1/15/98 1/15/98 10/06/98		UK		
...4	100	3	P	21-1015-04-33	V BC868-25TA DIODE,SW,LL34,CHIP,REEL D2,3,4,5,6,7,11,12,18,27,29,30,32,36,40,47,48,49 D50,51,52,53,54,60,61,62,63,65,66,67,68 D70,71,72,87,88,89,98,99,100 D33,34,35,101,102	00	21	45.000000	45.000	EA	1.0000	5/10/99	99/99/99						70	74		N	7/13/99		KOR	
...4	103	122	P	21-1092-04-00	V RLS4148 DIODE,RECT,SMD,RL,400V,FM4004 D14,15,16,17,23,24,25,26,42,43,44,45,73,74,75,76, D81,82,83,84,85,86	01	21	22.000000	22.000	EA	1.0000	8/05/99	99/99/99					60	64		N	1/18/95		TWN		
...4	105	4	P	21-1106-04-33	V FM4004-T DIODE ZEN,LLDS,RL,13V D77,79	01	21	2.000000	2.000	EA	1.0000	7/08/99	99/99/99					70	74		N	7/28/99		KOR		
...4	110	5	P	21-3105-04-33	V RLZ13 DIODE,ZENER,5V1,400MW,SMD,REEL D8,9,13,20,21,31,37,38,46	01	21	9.000000	9.000	EA	1.0000	5/10/99	99/99/99					75	79		N					
...4	113	6	P	21-3106-04-33	V RLZJ5.1B DIODE,ZEN,LLDS,RL,7V5,RANK G D10,22,39,78,80	01	21	5.000000	5.000	EA	1.0000	7/08/99	99/99/99					70	74		N	2/07/96		KOR		
...4	143	7	P	22-2105-30-33	V RLZ7.5G CAP,TANT,1UF,16V,10% C7,8,39,43,101,105,155,159,305 V T491A105K016AS V TCSCNICI05KAAR	01	22	9.000000	9.000	EA	1.0000	5/10/99	99/99/99					75	79		N	6/18/96 7/23/97				

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	UM	Scrap Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Cost %	Days Lead Time	Cum Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.	
...	4	145	8	P	22-2106-01-33	V TCFGAIC105K8R V B45196E3105K109	00	22	9.000000	9.000	EA 1.0000	5/10/99	99/99/99					75	79		N	7/23/98 6/11/99		MEX JPN	
...	4	150	9	P	22-2225-51-49	V T491-B106-M006AS V TA6R3TCMS100MB1R V F930J106MBA V TCSCS0J106MBAR	01	22	2.000000	2.000	EA 1.0000	5/10/99	99/99/99					75	79		N	6/18/96 1/15/98 1/15/98 1/15/98		JPN	
...	4	155	10	P	22-2475-21-22	V 35MC225MCTER V TA-035TCM2R2M-CIR	01	22	6.000000	6.000	EA 1.0000	5/10/99	99/99/99					75	79		N	6/25/98		JPN	
...	4	157	11	P	22-2685-31-34	V TA-010TCMS4R7M-AR CAP TANT,6U8,16V,20%,B-SIZE	01	22	6.000000	6.000	EA 1.0000	7/08/99	99/99/99					90	94		N	7/09/99			
...	4	160	12	P	22-3100-20-G6	V T491-B685-M016AS CAP,CER,10PF,50V,+-.25PF	01	22	3.000000	3.000	EA 1.0000	5/10/99	99/99/99					65	69		N	8/09/99		SPG JPN	
...	4	160	13	P	22-3102-25-M2	V GRM39COG100C50PT V C1608COG1H100CT V C100C0603CFLU00-V	01	22	4.000000	4.000	EA 1.0000	5/10/99	99/99/99					65	69		N	6/18/96 6/18/96 4/22/98		CHI JPN	
...	4	165	14	P	22-3103-26-G5	V GRM40COG102J50PT V C2012COG1H102JT CAP,CER,0.01UF,50V,+-.10%	01	22	20.000000	20.000	EA 1.0000	5/10/99	99/99/99					65	69		N	6/18/96 1/25/97		TWN CHI	
...	4	170	15	P	22-3104-16-M3	V GRM39X7R103K50PT V C1608X7R1H103KT V C103K0603XFLU00	01	22	96.000000	96.000	EA 1.0000	5/10/99	99/99/99					65	69		N	6/19/96 6/22/96 1/07/98		CHI SPG	
...	4	180	16	P	22-3151-25-G6	V GRM40X7R104K25PT V C2012X7R1E104KT V C104K0805XFLU00 V CL21B104KANC	01	22	15.000000	15.000	EA 1.0000	5/10/99	99/99/99					65	69		N	3/24/99 1/21/97 4/09/99		TWN CHI	
						V GRM39COG151J50PT																	3/24/99		

BOM MATERIAL LISTING LISTING INDENTED

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Days Cost %	Cum Lead Time	Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
...	190	17	P	22-3220-25-G6	CAP,CER,22PF,50V,+5%	01	22	1.000000	1.000	EA 1.0000	5/10/99	99/99/99					65	69		N	6/22/96 11/01/96 4/13/99		TWN CHI
...	200	18	P	22-3223-16-G5	CAP,CER,RL,22NF,25V,10% C194,200,215,221,236,242	01	22	6.000000	6.000	EA 1.0000	5/10/99	99/99/99					65	69		N	6/18/96 6/22/96 1/07/98		TWN CHI
...	200	19	P	22-3224-20-M3	CAP,CER,SMD,0.22UF,16V,10% C45,79,99,117,153,171	01	22	6.000000	6.000	EA 1.0000	5/10/99	99/99/99					65	69		N	6/19/96 7/06/96 3/06/97		CHI JPN
...	220	20	P	22-3271-25-G6	CAP,CER,RL,270PF,50V,5% C50,109,163	01	22	3.000000	3.000	EA 1.0000	5/10/99	99/99/99					65	69		N	6/12/98 6/18/98		CHI
...	225	21	P	22-2335-21-34	CAP,TANT,3U3,10V,20% C255,259,274,278	01	22	4.000000	4.000	EA 1.0000	5/10/99	99/99/99					75	79		N	6/18/96		MEX
...	230	22	P	22-3330-25-G6	CAP,CER,33PF,50V,5% C56	01	22	1.000000	1.000	EA 1.0000	5/10/99	99/99/99					65	69		N	6/18/98		TWN CHI
...	240	23	P	22-3331-25-G6	CAP,CER,330PF,50V,5% C52,118,172	01	22	3.000000	3.000	EA 1.0000	5/10/99	99/99/99					65	69		N	6/18/96 1/07/98 1/23/97		CHI JPN
...	250	24	P	22-3332-26-G5	CAP,CER,RL,3.3NF,50V,10% C207,228,249	01	22	3.000000	3.000	EA 1.0000	5/10/99	99/99/99					65	69		N	6/18/96 6/22/96		CHI SPG
...	255	25	P	22-3333-06-G5	CAP,CER,0.033UF,16V,10% C48,107,161,199,220,241	01	22	6.000000	6.000	EA 1.0000	5/10/99	99/99/99					65	69		N	6/19/96		CHI JPN
...	260	26	P	22-3471-25-G6	CAP,CER,RL,470PF,50V,5% C202,203,208,223,224,229,244,245,250	01	22	9.000000	9.000	EA 1.0000	5/10/99	99/99/99					65	69		N	4/22/97 6/22/96 1/07/98		CHI
...	265	27	P	22-3473-06-G5	CAP,CER,RL,47NF,16V,10% C53,54,119,120,173,174	01	22	6.000000	6.000	EA 1.0000	5/10/99	99/99/99					65	69		N	6/18/96		TWN JPN
...	270	28	P	22-3474-08-G8	CAP,CER,0.47UF,16V,+80,-20%	01	22	8.000000	8.000	EA 1.0000	5/10/99	99/99/99					65	69		N	4/11/95 6/22/96 1/07/98		CHI JPN

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Cost %	Days Lead Time	Cum Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
...	4	275	29	P	22-3479-20-G6	C14,15,33,92,146,197,218,239 V GRM40Y5V474Z16PT CAP,CER,4.7PF,50V,+-.0.25PF	01 22	6.000000	6.000	EA 1.0000	5/10/99	99/99/99					65	69		N	6/19/96		CHI TWN
...	4	280	30	P	22-3560-25-G6	C287,289,291,294,296,298 V GRM39COG4R7C50PT V C1608COG1H4R7CT V C479C0603CFLU00 V CL10C4R7CBNC CAP,CER,56PF,50V,+-.5%	01 22	16.000000	16.000	EA 1.0000	5/10/99	99/99/99					65	69		N	3/24/99 6/22/96 1/07/98 4/13/99		SPG
...	4	285	31	P	22-3561-26-G5	C49,51,108,110,162,164 V GRM39X7R561K50PT V GRM39X7R1H561KT V C561K0603XFLU00 CAP,CER,560PF,50V,10%	01 22	6.000000	6.000	EA 1.0000	5/10/99	99/99/99					65	69		N	6/18/96		TWN SPG
...	4	290	32	P	22-3681-26-G5	C201,222,243 V GRM39X7R681K50PT V C681K0603XFLU00 CAP,CER,680PF,50V,10%	01 22	3.000000	3.000	EA 1.0000	5/10/99	99/99/99					65	69		N	6/19/96 1/07/98		CHI
...	4	295	33	P	22-3683-06-G5	C37,103,157 V GRM39X7R683K16PT V C1608X7R1C683KT V C683K0603XCLU00 CAP,CER,0.068UF,16V,10%	01 22	3.000000	3.000	EA 1.0000	5/10/99	99/99/99					65	69		N	12/12/96 6/22/96 12/17/96		JPN CHI
...	4	296	34	P	22-3823-07-03	C74,75,76,77,112,113,114,115,166,167,168,169 V GRM39X7R823K16PT CAP,CER,82N,20%,16V,0603,RL	01 22	12.000000	12.000	EA 1.0000	7/08/99	99/99/99					75	79		N	8/09/99		JPN
...	4	300	36	P	23-0000-86-21	R566 V 23-0000-86-21 RES,SMD,0603,REEL,0,1/16W,5%	01 23	1.000000	1.000	EA 1.0000	5/26/99	99/99/99					45	49		N	7/13/96		TWN CHI
...	4	305	37	P	23-0100-80-25	R133,252,349 V 23-0100-80-25 RES,SMD,1206,RL,10 OHM,1/4W,5%	01 23	3.000000	3.000	EA 1.0000	5/10/99	99/99/99					60	64		N	8/18/99		TWN
...	4	310	38	P	23-0101-80-25	R70,77,171,180,268,275 V 23-0101-80-25 RES,SMD,1206,RL,100R,1/4W,5%	01 23	6.000000	6.000	EA 1.0000	5/10/99	99/99/99					60	64		N	1/07/97 1/07/97		TWN
...	4	315	39	P	23-0101-86-21	R1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19 R20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35 R36,37,38,39,40,44,45,46,47,48,49,50,51 V 23-0101-86-21 RES,SMD,0603,REEL,100,1/16W,5%	01 23	48.000000	48.000	EA 1.0000	5/10/99	99/99/99					45	49		N	7/13/96		TWN CHI
...	4	320	40	P	23-0102-86-21	R57,131,132,138,145,150,153,229,236,241,249,326 R333,338,341,346,528,245 V 23-0102-86-21 RES,SMD,0603,REEL,1K,1/16W,5%	01 23	18.000000	18.000	EA 1.0000	5/10/99	99/99/99					45	49		N	7/13/96 1/17/98		TWN CHI
...	4	325	41	P	23-0103-86-21	V RC-03K102JT RES,SMD,0603,REEL,10K,1/16W,5%	01 23	31.000000	31.000	EA 1.0000	5/10/99	99/99/99					45	49		N			TWN CHI

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap U	Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Days		Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.	
																	Cost %	Lead Time						
...	405	56	P	23-0223-86-21	RES,SMD,0603,REEL,22K,1/16W,5%	01	23	35.000000	35.000	EA	1.0000	5/10/99	99/99/99					45	49	N			TWN CHI	
					R60,66,92,93,95,164,198,199,200,261,296,297,298 R358,400,403,442,445,484,487,531,532,533,534,538 R539,540,541,545,546,547,548,591,593,595 V 23-0223-86-21 ANY																7/13/96		TWN CHI	
...	410	57	P	23-0224-86-21	RES,SMD0603,REEL 220K,1/16W 5%	01	23	3.000000	3.000	EA	1.0000	5/10/99	99/99/99					45	49	N			TWN CHI	
					R124,223,320 V 23-0224-86-21 ANY																	7/13/96		TWN CHI
...	420	58	P	23-0271-86-21	RES,SMD,0603,RL,270,1/16W,5%	01	23	9.000000	9.000	EA	1.0000	5/10/99	99/99/99					45	49	N			TWN CHI	
					R120,121,122,219,220,221,316,317,318 V 23-0271-86-21 ANY																	7/13/96		TWN KOR
...	430	59	P	23-0332-86-21	RES,SMD,0603,RL,3.3K,1/16W,5%	01	23	1.000000	1.000	EA	1.0000	5/10/99	99/99/99					45	49	N			TWN KOR	
					R61 V 23-0332-86-21 ANY																	7/13/96		TWN KOR
...	440	60	P	23-0333-86-21	RES,SMD,0603,33K OHM,1/16W,5%	01	23	26.000000	26.000	EA	1.0000	5/10/99	99/99/99					45	49	N			TWN KOR	
					R64,68,81,83,182,184,279,281,380,382,399,402,441 R444,460,462,483,486,576,577,418,420,590,592,594 R596 V 23-0333-86-21 ANY																	7/13/96 7/09/96		TWN PHI
...	450	61	P	23-0363-86-21	RES,SMD,0603,REEL,36K,1/16W,5%	01	23	3.000000	3.000	EA	1.0000	5/10/99	99/99/99					45	49	N			TWN PHI	
					R379,424,466 V 23-0363-86-21 ANY																	7/15/96		TWN KOR
...	455	62	P	23-0392-86-21	RES,SMD0603,REEL,3.9K 1/16W 5%	01	23	4.000000	4.000	EA	1.0000	5/10/99	99/99/99					45	49	N			TWN KOR	
					R67,136,253,350 V 23-0392-86-21 ANY																	7/15/96 6/22/96		TWN KOR
...	460	63	P	23-0393-86-21	RES,SMD,0603,REEL,39K,1/16W,5%	01	23	33.000000	33.000	EA	1.0000	5/10/99	99/99/99					45	49	N			TWN KOR	
					R101,103,116,125,126,128,135,166,167,168,191,204 R224,226,227,228,250,263,264,265,288,301,321,323 R324,325,347,360,361,362,395,448,480 V 23-0393-86-21 ANY																	7/15/96		TWN KOR
...	470	64	P	23-0394-86-21	RES,SMD,0603,RL,390K,1/16W,5%	01	23	4.000000	4.000	EA	1.0000	5/10/99	99/99/99					45	49	N			TWN KOR	
					R62,90,196,300 V 23-0394-86-21 ANY																	7/15/96		TWN KOR
...	475	65	P	23-0471-86-21	RES,SMD,0603,REEL,470,1/16W,5%	01	23	4.000000	4.000	EA	1.0000	5/10/99	99/99/99					45	49	N			TWN KOR	
					R119,218,315,578 V 23-0471-86-21 ANY																	7/15/96 7/09/96		TWN KOR
...	480	66	P	23-0473-86-21	RES,SMD,0603,REEL,47K,1/16W,5%	01	23	32.000000	32.000	EA	1.0000	5/10/99	99/99/99					45	49	N			TWN KOR	
					R59,152,156,243,244,340,385,388,390,427,430,432 R468,472,474,500,509,535,536,542,549,550,552,553 R554,555,556,557,558,559,543,344 V 23-0473-86-21 ANY																	7/15/96		TWN KOR
...	490	67	P	23-0474-86-21	RES,SMD,0603,RL,470K,1/16W,5%	01	23	33.000000	33.000	EA	1.0000	5/10/99	99/99/99					45	49	N			TWN KOR	
					R102,158,159,160,161,169,170,192,255,256,257,258 R266,267,290,352,353,354,363,364,391,393,394,406 R433,435,436,437,475,476,478,479,355 V 23-0474-86-21 ANY																	10/09/96 7/15/96		TWN KOR

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

		From Class	To 99	From Item	80-4290-00-00	To 80-4290-00-00	Facility							C/B Days	Cum					Country of Org.				
Level	Bub	Seq	It	Child	Description	Rv	It	Qty	Cum	Scrap	Eff	Disc	Opr	DYS	Comp	Cost	Lead	Lead	Fac	Must	Approval	Spec.	Country of Org.	
	No	No	Ty	Item		No	Cl	Reqd	Qty	UM	Factor	Date	Date	No	OFS	Code	%	Time	Time	Cd	Iss	Date	Date	
...4	491	68	P	23-0475-86-A2	RES,SMD,0603,RL,4M7,1/16W,5% R108,209,306 V 23-0475-86-A2	01	23	3.000000	3.000	EA	1.0000	7/08/99	99/99/99					45	49		N			TWN CHI
...4	492	69	P	23-0478-80-A4	RES,SMD,1206,RL,0R47,1/4W,5% R518,519,520,521,570,571 V 23-0478-80-A4	01	23	6.000000	6.000	EA	1.0000	7/08/99	99/99/99					67	71		N	2/23/99		JPN
...4	500	70	P	23-0561-86-21	RES,SMD,0603,560 OHM,1/16W,5% R123,222,319 V 23-0561-86-21	01	23	3.000000	3.000	EA	1.0000	5/10/99	99/99/99					45	49		N	8/09/99		TWN KOR
...4	510	71	P	23-0562-86-21	RES,SMD,0603,5.6K OHM,1/16W,5% R89,147,190,238,287,335 V 23-0562-86-21	01	23	6.000000	6.000	EA	1.0000	5/10/99	99/99/99					45	49		N	7/15/96		TWN KOR
...4	520	72	P	23-0563-86-21	RES,SMD,0603,REEL,56K,1/16W,5% R397,439,490 V 23-0563-86-21	01	23	3.000000	3.000	EA	1.0000	5/10/99	99/99/99					45	49		N	7/15/96		TWN PHI
...4	530	73	P	23-0564-86-21	RES,SMD,0603,RL,560K,1/16W,5% R105,106,109,110,206,207,210,211,303,304,307,308 V 23-0564-86-21	01	23	12.000000	12.000	EA	1.0000	5/10/99	99/99/99					45	49		N	7/15/96		TWN KOR
...4	535	74	P	23-0620-86-21	RES,SMD,0603,REEL,62,1/16W,5% R587,588 V 23-0620-86-21	01	23	2.000000	2.000	EA	1.0000	5/10/99	99/99/99					45	49		N	7/15/96		TWN KOR
...4	540	75	P	23-0684-86-21	RES,SMD,0603,RL,680K,1/16W,5% R401,443,485 V 23-0684-86-21	01	23	3.000000	3.000	EA	1.0000	5/10/99	99/99/99					45	49		N	7/17/96		TWN KOR
...4	545	76	P	23-0822-89-A9	RES,SMD,2512,RL,8K2,1W,5% R137,254,351 V 23-0822-89-A9	01	23	3.000000	3.000	EA	1.0000	7/08/99	99/99/99					67	71		N	8/09/99		JPN
...4	545	120	P	23-1002-G0-21	RES,SMD,0603,RL,10K,1/16W,1% R524,525,526,527 V 23-1002-G0-21	01	23	4.000000	4.000	EA	1.0000	7/31/99	99/99/99					60	64		N			TWN JPN
...4	546	77	P	23-1402-G0-A2	RES,SMD,0603,RL,14K,1/16W,1% R96,98,194,202,291,294 V 23-1402-G0-A2	01	23	6.000000	6.000	EA	1.0000	7/08/99	99/99/99					60	64		N	12/13/97		TWN JPN
...4	547	78	P	23-1821-G0-21	RES,SMD,0603,RL,1820,1/16W,1% R560,561,562,563,564,565, V 23-1821-G0-21	01	23	6.000000	6.000	EA	1.0000	7/08/99	99/99/99					60	64		N	8/09/99		TWN JPN
...4	547	79	P	23-2490-83-A4	RES,SMD,1206,RL,249R,1/8W,1% R365,370,407,412,449,456 V 23-2490-83-A4	01	23	6.000000	6.000	EA	1.0000	7/08/99	99/99/99					67	71		N	2/04/98		JPN
...4	548	80	P	23-2492-G0-A2	RES,SMD,0603,RL,24K9,1/16W,1% R495,510 V 23-2492-G0-A2	01	23	2.000000	2.000	EA	1.0000	7/08/99	99/99/99					60	64		N	8/09/99		TWN JPN
...4	549	81	P	23-3011-G0-A2	RES,SMD,0603,RL,3K01,1/16W,1% R499,513 V 23-3011-G0-A2	01	23	2.000000	2.000	EA	1.0000	7/08/99	99/99/99					60	64		N	8/09/99		TWN JPN
...4	550	82	P	23-4022-G0-A2	RES,SMD,0603,RL,40K2,1/16W,1% R88,187,285,498,512 V 23-4022-G0-A2	01	23	5.000000	5.000	EA	1.0000	7/08/99	99/99/99					60	64		N	8/09/99		TWN JPN
...4	551	83	P	23-4420-G0-A2	RES,SMD,0603,RL,442R,1/16W,1% R530	01	23	1.000000	1.000	EA	1.0000	7/08/99	99/99/99					60	64		N	8/09/99		TWN JPN

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Days Cost %	Cum Lead Time	Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.		
...	4	551	84	P	23-4992-G0-A2 RES,SMD,0603,RL,49K9,1/16W,1% R72,74,75,79,84,87,174,175,176,178,188,189,271,272 R273,277,284,286,366,367,368,369,371,372,373,374, R375,376,377,378,408,409,410,411,413,414,415,416, R421,422,423,425,450,451,452,453,454,455,457,458 R463,464,465,467	01	23	54.000000	54.000	EA 1.0000	7/08/99	99/99/99							60	64		N	8/09/99		TWN JPN
...	4	552	85	P	23-4999-G0-21 RES,SMD,0603,RL,49R9,1/16W,1% R522,523	01	23	2.000000	2.000	EA 1.0000	7/08/99	99/99/99					60	64		N	8/09/99		TWN JPN		
...	4	553	86	P	23-6040-G0-A2 RES,SMD,0603,RL,604R,1/16W,1% R114,118,215,217,312,314,529	01	23	7.000000	7.000	EA 1.0000	7/08/99	99/99/99					60	64		N	2/04/98		TWN JPN		
...	4	554	87	P	23-6042-G0-A2 RES,SMD,0603,RL,60K4,1/16W,1% R86,186,283	01	23	3.000000	3.000	EA 1.0000	7/08/99	99/99/99					60	64		N	8/09/99		TWN JPN		
...	4	555	88	P	23-6492-G0-A2 RES,SMD,0603,RL,64K9,1/16W,1% R85,185,282	01	23	3.000000	3.000	EA 1.0000	7/08/99	99/99/99					60	64		N	8/09/99		TWN JPN		
...	4	556	89	P	23-8062-G0-A2 RES,SMD,0603,RL,80K6,1/16W,1% R111,113,212,214,309,311,392,398,404,434,440,446, R477,482,488,496,514,	01	23	17.000000	17.000	EA 1.0000	7/08/99	99/99/99						60	64		N	8/09/99		TWN JPN	
...	4	565	90	P	27-1000-13-00 IC QUAD 2-L/P NAND GATE SCTC U7,22,82	01	27	3.000000	3.000	EA 1.0000	5/10/99	99/99/99					97	101		N	8/09/99		JPN		
...	4	566	91	P	27-1002-13-08 IC,QUAD 2-INPUT NOR GATE,SO14 U8,16	01	27	2.000000	2.000	EA 1.0000	7/08/99	99/99/99					82	86		N	7/10/96 7/12/96		MAL		
...	4	567	92	P	27-1004-13-08 IC,HEX INVERTER,SO14,MM74HC04 U6,11,77	01	27	3.000000	3.000	EA 1.0000	7/08/99	99/99/99					75	79		N			MAL		
...	4	567	93	P	27-1020-63-08 IC,BIN COUNTER,MM74HC4020,SO16 U79	01	27	1.000000	1.000	EA 1.0000	7/08/99	99/99/99					82	86		N			MAL		
...	4	567	116	P	27-1021-03-00 IC,DUAL 4-INPUT NAND GATE SOIC U10,13,14,25	01	27	4.000000	4.000	EA 1.0000	7/24/99	99/99/99					75	79		N			MAL		
...	4	568	94	P	27-1032-13-08 IC,OR GATE,MM74HC32M,SO14 U17	01	27	1.000000	1.000	EA 1.0000	7/08/99	99/99/99					97	101		N	7/23/99 7/23/99		MAL		
...	4	569	95	P	27-1074-13-08 IC DUAL D-TYPE FLIP-FLOP,SO14 U28,29,30,86,92	01	27	5.000000	5.000	EA 1.0000	7/08/99	99/99/99					82	86		N			MAL		
...	4	570	96	P	27-1138-13-08 IC,3-8 DECODER,MM74HC138M,SO16 U5,15	01	27	2.000000	2.000	EA 1.0000	7/08/99	99/99/99					105	109		N			MAL		

BOM MATERIAL LISTING LISTING INDENTED

W/O CUSTOMER P/N

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap UM	Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Days Cost %	Cum Lead Time	Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
...4	571	97	P	27-1163-13-08	IC,BIN-COUNTER,SO16	01	27	2.000000	2.000	EA	1.0000	7/08/99	99/99/99					82	86		N			MAL
				U78,80																				
				V MM74HC163MX	FAIRCHILD																			
...4	571	98	P	27-1244-13-08	IC,OCTAL 3-STATE BUFFER,SO20	01	27	1.000000	1.000	EA	1.0000	7/08/99	99/99/99					82	86		N			MAL
				U27																				
				V MM74HC244WMX	FAIRCHILD																		9/09/99	
...4	572	99	P	27-1245-13-08	IC,OCTAL 3-STATE TRANS,SO20	01	27	2.000000	2.000	EA	1.0000	7/08/99	99/99/99					75	79		N			MAL
				U21,99																				
				V MM74HC245AWMX	FAIRCHILD																			
...4	572	100	P	27-1574-13-08	IC,OCTAL D-TYPE FLIP-FLOP,SO20	01	27	6.000000	6.000	EA	1.0000	7/08/99	99/99/99					105	109		N			MAL
				U18,19,20,31,32,93																				
				V MM74HC574WMX	FAIRCHILD																		9/09/99	
...4	572	114	P	27-1597-13-00	IC,SHIFT REGISTER,SOIC,597	01	27	6.000000	6.000	EA	1.0000	7/24/99	99/99/99					90	94		N			MAL
				U83,84,85,95,96,97																				
				V MC74HC597DR2	MOTOROLA																		7/22/99	
				V MM74HC597MX	FAIRCHILD																		7/22/99	
...4	573	101	P	27-1176-03-00	IC,D TYPE LATCH	01	27	3.000000	3.000	EA	1.0000	7/08/99	99/99/99					97	101		N			MAL JPN
				U23,24,26																				
				V MC74HC595ADR2	MOTOROLA																		1/19/95	
				V 74HC595MX	NS																		1/19/95	
				V MM74HC595MX	FAIRCHILD																		5/06/99	
				V SN74HC595DR	TI																		8/23/99	
...4	574	102	P	27-2071-03-L4	IC,REGLATOR,MAX690A,SO8	01	27	1.000000	1.000	EA	1.0000	7/08/99	99/99/99					105	109		N			USA
				U9																				
				V MAX690AESA-T	MAXIM																			
...4	574	115	P	27-3297-05-00	IC,MCU,PLCC,M68000	01	27	1.000000	1.000	EA	1.0000	7/24/99	99/99/99					105	109		N			USA
				U1																				
				V MC68EC000FN8	MOTOROLA																		7/19/99	
...4	574	121	P	27-3141-03-K9	IC,SRAM,SOP-28,8KX8,5V,70NS	01	27	2.000000	2.000	EA	1.0000	7/31/99	99/99/99					90	94		N			TWN
				U3,4																				
				V W2465	WINBOND																		7/28/99	
...4	575	103	P	27-5211-00-01	IC,QUAD OP AMP,CHIP,MC34074D	01	27	11.000000	11.000	EA	1.0000	5/10/99	99/99/99					90	94		N			
				U37,39,45,48,56,57,65,66,69,73,81																				
				V MC34074D	MOTOROLA																			
...4	575	104	P	27-4066-03-08	IC,ANALOG SW,CD4066BC,SO14	01	27	1.000000	1.000	EA	1.0000	7/08/99	99/99/99					60	64		N			MAL
				U75																				
				V CD4066BCMX	FAIRCHILD																		8/09/99	
...4	580	105	P	27-5222-03-01	IC,VOLT COMPARATOR,SO8,LM311M	01	27	1.000000	1.000	EA	1.0000	5/10/99	99/99/99					90	94		N			MAL
				U12																				
				V LM311MX	NS																		9/01/98	
...4	581	106	P	27-5321-03-01	IC,TIMER,SOP,LM555CM	01	27	1.000000	1.000	EA	1.0000	7/08/99	99/99/99					70	74		N			MAL
				U38																				
				V LM555CMX	NS																		7/07/99	
...4	583	112	P	27-6531-03-08	IC,ANALOG MUX/DEMUX,SOIC	01	27	1.000000	1.000	EA	1.0000	7/19/99	99/99/99					82	86		N			MAL
				U35																				
				V CD4052BCMX	FAIRCHILD																		7/13/99	
...4	585	107	P	27-6644-03-01	IC,TONE DECODER,SOIC,T&R	01	27	6.000000	6.000	EA	1.0000	5/10/99	99/99/99					82	86		N			
				U41,42,51,52,60,61																				
				V LM567CMX	NS																		1/19/95	
...4	590	108	P	27-66B0-13-M3	IC,CALLER ID,SO24,MT88E43AS	01	27	3.000000	3.000	EA	1.0000	5/10/99	99/99/99					90	94		N			MAL

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Days %	Cum Lead Time	Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
...	4	592	109	P	U44,53,62 V MT88E43AS 27-66D0-00-K3 IC,MAN,PLCC,CIS1000,PABX U40,49,58,67,68,70 V CIS1000	01	27	6.000000	6.000	EA 1.0000	7/08/99	99/99/99					90	94		N	1/15/98		
...	4	600	111	P	U36,43,50,59 V MT8870DS 27-66G1-00-M3 IC,DTMF RECEIVER,SOIC	01	27	4.000000	4.000	EA 1.0000	7/19/99	99/99/99					97	101		N	7/25/97		CAN
...	4	610	113	P	U33,34,94 V ISD2590S 27-7513-03-00 IC,VOICE DEVICE	01	27	3.000000	3.000	EA 1.0000	7/19/99	99/99/99					90	94		N	8/09/99		PHI
...	4	695	119	P	V 35-4516-01-00 PCB,VT3921,CONTROL UNIT,R.0	01	35	1.000000	1.000	EA 1.0000	7/24/99	99/99/99					35	39		N	7/19/99		CHI
...	4	700	123	P	V 35-4575-01-00 PCB,VT3921,LED BD,R.0	01	35	1.000000	1.000	EA 1.0000	8/27/99	99/99/99					30	34		N	7/21/99		
.2		110	2	M	50-4290-01-00 PCBA,PDLC MK2,BS MAIN	01	50	3.000000	3.000	EA 1.0000	5/25/99	99/99/99					1	3		N			
..3		60	1	P	10-1025-00-00 PTS,STL,02X8,PH(+),ZN-PLT,CT2	01	10	11.000000	33.000	EA 1.0000	5/25/99	99/99/99					30	33		N			CHI
..3		150	2	P	V 10-1025-00-00 #30 1000FT NO.2030	00	14	.000000	.000	RL 1.0000	12/07/97	99/99/99					30	33		N	5/28/96		USA
..3		160	3	P	V 14-4000-65-00 X'TR,2N3906	00	20	1.000000	3.000	EA 1.0000	12/07/97	99/99/99					82	85		N	4/22/95		TWN MAL
..3		169	4	P	Q15 V 2N3906 V 2N3906RLRP V 2N3906 V H2N3906A 20-0041-00-02 X'TR,2N3904	00	20	1.000000	3.000	EA 1.0000	10/01/98	99/99/99					82	85		N	1/18/95 8/07/98 4/14/98		TWN MAL
..3		180	5	P	Q17 V 2N3904 V 2N3904RLRP V 2N3904 V 2N3904 V H2N3904A 22-1010-61-U4 CAP,ELEC,1U,50V,20%	00	22	1.000000	3.000	EA 1.0000	12/07/97	99/99/99					60	63		N	11/14/98 11/13/98		CHI TWN
..3		190	6	P	C125 V SMR010M1HD11 V CD11,1U,50V,20% V REA010MIHSA-0511 22-1100-61-U4 CAP,ELEC,10U,50V,20%	00	22	2.000000	6.000	EA 1.0000	12/07/97	99/99/99					55	58		N	6/15/96 8/06/97 8/18/98		CHI
..3		200	7	P	C124,126, V SMR100M1HD11 V REA100M1HSA-0511 V CD11,10U,50V,20%(5X11) V EGSU106MIH01D11 22-1101-21-V8 CAP,ELEC,100U,16V,20%	01	22	1.000000	3.000	EA 1.0000	12/07/97	99/99/99					55	58		N	6/15/96 8/18/98 10/17/98 6/14/99		TWN
..3		220	8	P	C113, V SRR1CM101D11 V RCA101M1CSA-0511 22-1101-31-V3 CAP,ELEC,100UF,25V,+20% C73	01	22	1.000000	3.000	EA 1.0000	5/11/98	99/99/99					55	58		N	1/18/95 8/18/98		

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap UM	Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Days Cost %	Cum Lead Time	Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.	
..3	224	9	P	22-7200-00-07	CAP,TRIM,20PF,100V,N450	00	22	2.000000	6.000	EA	1.0000	11/14/98	99/99/99					65	68		N	1/17/98 2/13/98		JPN	
..3	240	10	P	23-0000-81-14	RES,SMD,1206,RL,0 OHM,1/8W,5%	00	23	1.000000	3.000	EA	1.0000	12/25/98	99/99/99					45	48		N	1/19/95		TWN KOR	
..3	250	11	P	25-1114-00-67	COIL-INDTR,RL,10UH 10% Q>80	01	25	1.000000	3.000	EA	1.0000	12/07/97	99/99/99					67	70		N	7/13/96		CHI	
..3	270	12	P	25-3128-10-10	FILTER,CER,10.7MHZ.230KHZ	01	25	1.000000	3.000	EA	1.0000	11/01/98	99/99/99					70	73		N	1/15/98 1/15/98 1/15/98		JPN	
..3	280	13	P	25-3321-00-10	FILTER,CER,10.7MHZ,BW(150KHZ)	01	25	1.000000	3.000	EA	1.0000	12/07/97	99/99/99					70	73		N	6/12/98		TWN	
..3	290	14	P	25-3395-00-47	CRYSTAL,18.25MHZ,10PPM,HC-49/U	01	25	1.000000	3.000	EA	1.0000	12/07/97	99/99/99					65	68		N			IND	
..3	310	15	P	30-4696-01-00	SHIELD TOP,BASE,PDL-MK2,R.1	01	30	1.000000	3.000	EA	1.0000	5/25/99	99/99/99					40	43		N	5/06/99 5/25/98 5/25/98 5/25/98		CHI	
..3	315	16	P	30-4697-02-00	SHIELD BTM BASE PDL-MK2,R.2	01	30	1.000000	3.000	EA	1.0000	5/25/99	99/99/99					45	48		N			CHI	
..3	350	17	P	39-3404-00-00	FOAM TAPE	01	39	1.000000	3.000	EA	1.0000	5/20/98	99/99/99					40	43		N			CHI	
..3	380	19	P	40-2094-22-00	HEADER,SINGLE ROW,22PIN	01	40	1.000000	3.000	EA	1.0000	8/03/99	99/99/99					45	48		N	1/02/95		TWN	
..3	530	18	M	50-4290-02-00	SMDA,PDLK MK2,BS MAIN	01	50	1.000000	3.000	EA	1.0000	5/25/99	99/99/99					1	4		N			CHI	
...4	60	1	P	15-1036-00-00	BLK PASTE,1KG/SYRINGE,50400-1	01	15	.000000	.000	G	1.0000	12/04/98	99/99/99					30	34		Y			CHI	
...4	80	2	P	20-0039-01-00	X'TR,CHIP,MMBT3906T,SOT23,RL	01	20	2.000000	6.000	EA	1.0000	12/08/97	99/99/99					70	74		N	3/08/99		PHI TWN	
...4	90	3	0	20-0041-01-PA	BLANK TO 20-0041-01-00	01	20	4.000000	12.000	EA	1.0000	2/07/98	99/99/99						4			N	5/25/98 1/15/98 1/15/98 6/05/98		
....5	100	1	0	20-0041-01-PB	BLANK TO 20-0041-01-00	01	20	1.000000	12.000	EA	1.0000	2/06/98	99/99/99						4			N			
.....6	100	1	0	20-0041-01-PC	BLANK TO 20-0041-01-00	01	20	1.000000	12.000	EA	1.0000	2/06/98	99/99/99						4			N			
.....7	100	1	0	20-0041-01-PD	BLANK TO 20-0041-01-00	01	20	1.000000	12.000	EA	1.0000	2/06/98	99/99/99						4			N			

BOM MATERIAL LISTING LISTING INDENTED ALL COMPONENTS W/O SIGNED LINE W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Table with columns: Level, Bub No, Seq No, It Ty, Child Item, Description, Rv No, It Cl, Qty Reqd, Cum Qty, U M Factor, Scrap, Eff Date, Disc Date, Opr No, DYS, Comp, C/B Days, Cum, Cost, Lead, Lead, Fac Cd, Must Iss, Approval Date, Spec. Date, Country of Org.

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Cost %	Days Lead Time	Cum Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
...	4	394	57	P	V 23-0153-86-21 23-0154-86-21 RES,SMD,0603,RL,150K,1/16W,5% R16	01	23	1.000000	3.000	EA 1.0000	1/31/99	99/99/99					45	49		N	7/13/96		TWN CHI
...	4	405	58	P	V 23-0154-86-21 23-0182-86-21 RES,SMD,0603,RL,1.8K,1/16W,5% R58	01	23	1.000000	3.000	EA 1.0000	12/08/97	99/99/99					45	49		N	7/13/96		TWN PHI
...	4	410	59	P	V 23-0182-86-21 23-0183-86-21 RES,SMD,0603,REEL,18K,1/16W,5% R47,5	01	23	2.000000	6.000	EA 1.0000	12/08/97	99/99/99					45	49		N	7/13/96		TWN CHI
...	4	415	60	P	V 23-0183-86-21 23-0201-86-21 RES,SMD,0603,REEL,200,1/16W,5% R44,46,49	01	23	3.000000	9.000	EA 1.0000	12/08/97	99/99/99					45	49		N	7/13/96		TWN CHI
...	4	465	61	P	V 23-0201-86-21 23-0221-86-21 RES,SMD,0603,RL,220,1/16W,5% R13	01	23	1.000000	3.000	EA 1.0000	12/08/97	99/99/99					45	49		N	7/13/96		TWN CHI
...	4	475	62	P	V 23-0221-86-21 23-0222-86-21 RES,SMD,0603,2.2K OHM,1/16W,5% R56	01	23	1.000000	3.000	EA 1.0000	12/08/97	99/99/99					45	49		N	7/13/96		TWN CHI
...	4	485	63	P	V 23-0222-86-21 23-0225-86-21 RES,SMD,0603,REEL,2M2,1/16W,5% R157	01	23	1.000000	3.000	EA 1.0000	12/08/97	99/99/99					45	49		N	7/13/96		TWN KOR
...	4	490	64	P	V 23-0225-86-21 23-0240-86-21 RES,SMD,0603,REEL,24,1/16W,5% R19,20,37,50,52,29	01	23	6.000000	18.000	EA 1.0000	12/08/97	99/99/99					45	49		N	7/13/96		TWN CHI
...	4	491	65	P	V 23-0240-86-21 23-0271-86-21 RES,SMD,0603,RL,270,1/16W,5% R32	01	23	1.000000	3.000	EA 1.0000	2/12/98	99/99/99					45	49		N	7/13/96		TWN CHI
...	4	496	66	P	V 23-0271-86-21 23-0301-86-21 RES,SMD,0603,REEL,300,1/16W,5% R41	01	23	1.000000	3.000	EA 1.0000	2/12/98	99/99/99					45	49		N	7/13/96		TWN CHI
...	4	500	67	P	V 23-0301-86-21 23-0331-86-21 RES,SMD,0603,RL,330,1/16W,5% R14,18,21,60	01	23	4.000000	12.000	EA 1.0000	12/08/97	99/99/99					45	49		N	7/13/96		TWN KOR
...	4	510	68	P	V 23-0331-86-21 23-0331-86-21 RES,AXL,0603,RL,3M3,1/16W,5% R65	01	23	1.000000	3.000	EA 1.0000	12/08/97	99/99/99					45	49		N	7/13/96 7/09/96		TWN KOR
...	4	520	69	P	V 23-0335-86-21 23-0330-81-14 RES,SMD,1206,REEL,33R,1/8W,5% R167	01	23	1.000000	3.000	EA 1.0000	12/08/97	99/99/99					45	49		N	9/06/96		TWN CHI
...	4	540	70	P	V 23-0330-81-14 RC-06K330JT RES,SMD,0603,RL,390K,1/16W,5% R12	01	23	1.000000	3.000	EA 1.0000	12/08/97	99/99/99					45	49		N	7/13/96 6/05/98		TWN KOR
...	4	544	71	P	V 23-0394-86-21 23-0470-86-21 RES,SMD,0603,REEL,47,1/16W,5% R2	01	23	1.000000	3.000	EA 1.0000	1/06/99	99/99/99					45	49		N	7/15/96		TWN KOR
...	4	555	72	P	V 23-0470-86-21 23-0471-86-21 RES,SMD,0603,REEL,470,1/16W,5% R22	01	23	1.000000	3.000	EA 1.0000	12/08/97	99/99/99					45	49		N	7/15/96		TWN KOR

BOM MATERIAL LISTING LISTING INDENTED ALL COMPONENTS W/O SIGNED LINE W/O CUSTOMER P/N																								
From Class		To 99	From Item 80-4290-00-00		To 80-4290-00-00	Facility																		
Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	UM	Scrap Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B %	Days Lead Time	Cum Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
...	4	560	73	P	V 23-0471-86-21 V 23-0471-86-21 23-0472-86-21 RES,SMD,0603,RL,4.7K 1/16W,5% R66,146,102, V 23-0472-86-21	ANY AVOX	01 23	3.000000	9.000	EA	1.0000	9/16/98	99/99/99					45	49		N	7/15/96 7/09/96		TWN KOR
...	4	569	74	0	23-0473-86-PA BLANK TO 23-0473-86-21 R81,	ANY	01 23	1.000000	3.000	EA	1.0000	1/31/99	99/99/99						4		N	7/15/96		
....	5	100	1	0	23-0473-86-PB BLANK TO 23-0473-86-21		01 23	1.000000	3.000	EA	1.0000	4/08/98	99/99/99						4		N			
.....	6	100	1	0	23-0473-86-PC BLANK TO 23-0473-86-21		01 23	1.000000	3.000	EA	1.0000	4/08/98	99/99/99						4		N			
.....	7	100	1	0	23-0473-86-PD BLANK TO 23-0473-86-21		01 23	1.000000	3.000	EA	1.0000	4/08/98	99/99/99						4		N			
.....	8	100	1	0	23-0473-86-PE BLANK TO 23-0473-86-21		01 23	1.000000	3.000	EA	1.0000	4/08/98	99/99/99						4		N			
.....	9	100	1	0	23-0473-86-PF BLANK TO 23-0473-86-21		01 23	1.000000	3.000	EA	1.0000	4/08/98	99/99/99						4		N			
.....	10	100	1	P	23-0473-86-21 RES,SMD,0603,REEL,47K,1/16W,5% V 23-0473-86-21 V RC1608J0473CS	ANY SAMSUNG	01 23	1.000000	3.000	EA	1.0000	4/08/98	99/99/99					45	49		N	7/15/96 10/09/96		TWN KOR
...	4	576	75	P	23-0510-86-21 RES,SMD,0603,REEL,51,1/16W,5% R25,34 V 23-0510-86-21	ANY	01 23	2.000000	6.000	EA	1.0000	1/06/99	99/99/99					45	49		N	7/15/96		TWN KOR
...	4	578	76	P	23-0512-86-21 RES,SMD,0603,REEL,5K1,1/16W,5% R107 V 23-0512-86-21	ANY	01 23	1.000000	3.000	EA	1.0000	12/08/97	99/99/99					45	49		N	7/15/96		TWN KOR
...	4	580	77	P	23-0560-86-21 RES,SMD,0603,REEL,56R,1/16W,5% R6 V 23-0560-86-21	ANY	01 23	1.000000	3.000	EA	1.0000	12/08/97	99/99/99					45	49		N	7/15/96		TWN KOR
...	4	586	78	P	23-0623-86-21 RES,SMD,0603,RL,62K,1/16W,5% R8 V 23-0623-86-21	ANY	01 23	1.000000	3.000	EA	1.0000	2/27/98	99/99/99					45	49		N	7/15/96		TWN KOR
...	4	590	79	P	23-0683-86-21 RES,SMD,0603,REEL,68K,1/16W,5% R64 V 23-0683-86-21	ANY	01 23	1.000000	3.000	EA	1.0000	12/08/97	99/99/99					45	49		N	7/15/96		TWN KOR
...	4	610	80	P	23-3013-84-10 RES,CR,SMD,0805,301K,1/10W,1% R174 V 23-3013-84-10	ANY	01 23	1.000000	3.000	EA	1.0000	12/08/97	99/99/99					60	64		N	7/17/96		TWN JPN
...	4	615	81	P	23-0912-86-21 RES,SMD,0603,REEL,9K1,1/16W,5% R17 V 23-0912-86-21	ANY	01 23	1.000000	3.000	EA	1.0000	12/08/97	99/99/99					45	49		N	7/18/96		TWN KOR
...	4	616	82	P	23-1000-G0-21 RES,SMD,0603,RL,100,1/16W,1% R39,31 V 23-1000-G0-21	ANY	01 23	2.000000	6.000	EA	1.0000	1/21/99	99/99/99					60	64		N	7/17/96		TWN JPN
...	4	618	83	P	23-1102-G0-21 RES,SMD,0603,RL,11K,1/16W,1% R28 V 23-1102-G0-21	ANY	01 23	1.000000	3.000	EA	1.0000	2/12/98	99/99/99					60	64		N	12/13/97		TWN JPN
...	4	618	84	P	23-1002-G0-21 RES,SMD,0603,RL,10K,1/16W,1% R38,30 V 23-1002-G0-21	ANY	01 23	2.000000	6.000	EA	1.0000	7/15/98	99/99/99					60	64		N	2/06/98		TWN JPN
...	4	620	85	P	23-1502-G0-21 RES,SMD,0603,RL,15K0,1/16W,1% R40 V 23-1502-G0-21	ANY	01 23	1.000000	3.000	EA	1.0000	3/13/99	99/99/99					60	64		N	12/13/97		TWN JPN
...	4	623	86	P	23-3922-G0-10 RES,SMD,0603,RL,39K2,1/16W,1% R27	ANY	01 23	1.000000	3.000	EA	1.0000	12/09/97	99/99/99					60	64		N	12/13/97		TWN JPN

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Days Cost %	Cum Lead Time	Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
...	4	624	87	P	V 23-3922-G0-10 23-4320-G0-10 RES,SMD,0603,RL,432R,1/16W,1% R179	01	23	1.000000	3.000	EA 1.0000	12/08/97	99/99/99					60	64		N	12/09/97		TWN JPN
...	4	625	88	P	V 23-4320-G0-10 23-6192-84-10 RES,SMD,0805,RL,61.9K,1/10W,1% R148,	01	23	1.000000	3.000	EA 1.0000	12/08/97	99/99/99					60	64		N	4/16/97		TWN JPN
...	4	628	89	P	V 23-6192-84-10 25-3533-00-28 FILTER,CER,926MHZ F2	01	25	1.000000	3.000	EA 1.0000	12/16/98	99/99/99					70	74		N	7/18/96		JPN
...	4	633	90	P	V CF6118901 25-3532-00-28 FILTER,CER,904MHZ F1	01	25	1.000000	3.000	EA 1.0000	12/16/98	99/99/99					70	74		N	3/19/99		JPN
...	4	640	91	P	V CF6118701 25-3487-00-56 FILER,SAW,926.25MHZ F3	01	25	1.000000	3.000	EA 1.0000	12/08/97	99/99/99					90	94		N	3/19/99		GER
...	4	645	92	P	V B4024 25-7339-75-10 INDUCTOR 3.3UH,5%,SMD L13,22	01	25	2.000000	6.000	EA 1.0000	12/08/97	99/99/99					60	64		N	4/16/98		JPN
...	4	650	102	P	V LQHIN3R3J04 27-1573-B0-01 IC,OCTAL LATCH,3-STA,LOW VOLT U12	01	27	1.000000	3.000	EA 1.0000	8/03/99	99/99/99					82	86		N	6/10/98		MAL
...	4	655	93	P	V 74LVQ573SJ 27-30B3-00-01 IC,EEPROM,1K-BIT,S08 U11	01	27	1.000000	3.000	EA 1.0000	12/08/97	99/99/99					82	86		N	3/19/96		MAL
...	4	656	103	P	V NM93C46LM8 27-30C9-09-01 IC,EPROM,128KX8,PLCC,27LV010V U5	01	27	1.000000	3.000	EA 1.0000	8/03/99	99/99/99					82	86		N	3/19/96		MAL
...	4	660	94	P	V NM27LV010V250 27-3980-00-23 IC ASIC DIE B/S V40 MASK U8	01	27	1.000000	3.000	EA 1.0000	9/05/98	99/99/99					90	94		N	1/21/97		MAL
...	4	670	95	P	V 27-3980-00-23 27-6685-03-00 IC,WIDEBAND FM 1F,SO-24L U1	01	27	1.000000	3.000	EA 1.0000	12/08/97	99/99/99					90	94		N	4/14/98		USA
...	4	675	96	P	V MCL13156DWR2 27-66A8-03-01 IC,FREQ SYN,SO16,LMX2337MX U2	01	27	1.000000	3.000	EA 1.0000	12/08/97	99/99/99					105	109		N	4/19/95		PHI
...	4	683	104	P	V LMX2337MX 35-4207-16-00 PCB,PDLc,BS&HS,900M ASIC,R.0 B.N.I.	01	35	1.000000	3.000	EA 1.0000	9/02/99	99/99/99					40	44		N	3/19/96		CHI
...	4	685	101	P	V 35-4207-16-00 35-4577-00-00 PCB,VT3921,CONTROL RF BD,R.0 E-TOP	01	35	1.000000	3.000	EA 1.0000	7/24/99	99/99/99					35	39		N	6/11/99	8/16/99	CHI
...	4	700	99	P	V 35-4577-00-00 92-5111-20-00 LBL-IC MARK PDLc(B/S) R.0 CHUNG TAI	01	92	1.100000	3.300	EA 1.0000	9/05/98	99/99/99					30	34		N	8/03/99		CHI
.2		120	3	M	52-4290-00-00 CASING ASSY,VT3921,BS UNIT	01	52	1.000000	1.000	EA 1.0000	5/25/99	99/99/99					1	3		N			
..3		80	13	P	10-1083-00-00 MS STL M3X8 K,F NI-P TOYO	01	10	10.000000	10.000	EA 1.0000	8/05/99	99/99/99					30	33		N	9/06/99		CHI
..3		90	14	P	10-1084-00-00 MS STL M3X6 K,F NI-P TOYO	01	10	6.000000	6.000	EA 1.0000	8/05/99	99/99/99					30	33		N	9/06/99		CHI
..3		100	15	P	10-1086-00-00 MS STL M3X4 B ZN-P	01	10	18.000000	18.000	EA 1.0000	8/05/99	99/99/99					30	33		N			CHI

BOM MATERIAL LISTING LISTING INDENTED ALL COMPONENTS W/O SIGNED LINE W/O CUSTOMER P/N																									
From Class		To 99	From Item 80-4290-00-00		To 80-4290-00-00	Facility																			
Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap UM	Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Cost %	Days Lead Time	Cum Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.	
..3	110	2	P	20-0041-00-02	X' TR, 2N3904	V 2N3906 V H2N3906A	SAMSUNG HI-SINCERITY	00 20	1.000000	2.000	EA	1.0000	7/13/94	99/99/99				82	85		N		4/14/98		TWN MAL
..3	118	3	P	20-0064-01-01	20T0065200700TO-92,S.S.,PNP	V 2N3904 V 2N3904RLRP V 2N3904 V 2N3904 V H2N3904A	PHILIPS MOTOROLA ITT SAMSUNG HI-SINCERITY	00 20	2.000000	4.000	EA	1.0000	2/07/95	99/99/99				82	85		N		11/14/98 11/13/98		PHI
..3	120	4	P	20-0065-01-01	X' TR, PN2222A, TO-92, S.S., PNP	V PN2907A V PN2907A V PN2907A V PN2907A * PN2907A * PN2907A * PN2907A	N. S. PHILIPS MICRO FAIRCHILD MICRO PHILIPS FAIRCHILD	00 20	1.000000	2.000	EA	1.0000	7/13/94	99/99/99				82	85		N		2/11/95 1/18/95		PHI
..3	130	5	P	21-0012-00-05	DIODE, RE, 1N4004 400V 1A	V PN2222A V PN2222A V PN2222A V PN2222A	N. S. FAIRCHILD FAIRCHILD PHILIPS	00 21	1.000000	2.000	EA	1.0000	7/13/94	99/99/99				70	73		N		5/20/97		CHI
..3	140	6	P	22-1221-21-03	CAP, ELEC, 220U, 16V, 20%	V 1N4004 V WIN4004-B V IN4004	RECTRON R. I GOODARK	00 22	1.000000	2.000	EA	1.0000	7/01/95	99/99/99				55	58		N		9/18/95 4/07/98 10/27/98		CHI
..3	180	7	P	23-0013-11-01	RES, CF, AXL, RL, 1K OHM, 1/8W, 5%	V UVX1C221MPA V CD11 220UF 16V+-20%(8X11)	NICHICON NOVA	00 23	3.000000	6.000	EA	1.0000	7/13/94	99/99/99				37	40		N		11/23/96 3/19/98		CHI
..3	193	8	P	23-0152-11-01	RES, CF, AXL, RL, 1.5K OHM, 1/8W, 5%	V 23-0013-11-01	ANY	00 23	1.000000	2.000	EA	1.0000	2/07/95	99/99/99				37	40		N		7/13/96		CHI
..3	195	9	P	23-0222-11-01	RES, CF, AXL, RL, 2.2K OHM, 1/8W, 5%	V 23-0152-11-01	ANY	00 23	1.000000	2.000	EA	1.0000	2/07/95	99/99/99				37	40		N		7/13/96		CHI
..3	197	10	P	23-0229-11-01	RES, CF, AXL, RL, 2.2 OHM, 1/8W, 5%	V 23-0222-11-01	ANY	01 23	3.000000	6.000	EA	1.0000	2/07/95	99/99/99				37	40		N		7/13/96		CHI
..3	200	11	P	23-0243-11-01	RES, CF, AXL, RL, 24K OHM, 1/8W, 5%	V 23-0229-11-01	ANY	00 23	1.000000	2.000	EA	1.0000	7/13/94	99/99/99				37	40		N		7/13/96		CHI
..3	210	12	P	23-0330-11-01	RES, CF, AXL, RL, 33 OHM, 1/8W, 5%	V 23-0243-11-01	ANY	00 23	1.000000	2.000	EA	1.0000	7/13/94	99/99/99				37	40		N		7/13/96		CHI
					V 23-0330-11-01	ANY																	7/13/96		

BOM MATERIAL LISTING LISTING INDENTED ALL COMPONENTS W/O SIGNED LINE W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap UM	Factor	Eff Date	Disc Date	Opr No	DYS	Comp	C/B Days %	Cum Lead Time	Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
..3	213	13	P	23-0472-11-01	RES,CF,AXL,RL,4.7K,OHM,1/8W,5% R8	00	23	1.000000	2.000	EA	1.0000	2/07/95	99/99/99					37	40		N			CHI
..3	220	14	P	23-0513-11-01	RES,CF,AXL,RL,51K,OHM,1/8W,5% R12,18	01	23	2.000000	4.000	EA	1.0000	7/13/94	99/99/99					37	40		N	7/15/96		CHI
..3	223	15	P	23-0829-11-01	RES,CF,AXL,RL,8.2 OHM,1/8W,5% R3	01	23	1.000000	2.000	EA	1.0000	2/07/95	99/99/99					37	40		N	7/15/96		CHI
..3	250	17	P	35-4576-01-00	PCB,VT3921 CHARGER BD,R.0	01	35	1.000000	2.000	EA	1.0000	8/27/99	99/99/99					30	33		N	7/17/96		
..3	300	16	P	40-6912-00-00	PWR JACK DIA1.3 J2	01	40	1.000000	2.000	EA	1.0000	7/09/99	99/99/99					60	63		N			CHI
..2	110	2	M	50-4290-06-00	PCBA,VT3921 CHARGER,LED	01	50	1.000000	2.000	EA	1.0000	7/09/99	99/99/99					1	3		N	3/20/99		
..3	150	1	P	43-0224-00-33	LED,DIFFUSE,RED,D3.1X5.2 D3,5	00	43	2.000000	4.000	EA	1.0000	8/08/95	99/99/99					70	73		N			MAL
..3	200	2	P	35-4206-00-00	PCB,GP MK5,CHARGE LED,R.0	01	35	1.000000	2.000	EA	1.0000	9/02/97	99/99/99					40	43		N	10/16/98		CHI
..2	120	3	M	52-4290-01-00	CASING ASSY,VT3921,CHARGER	01	52	1.000000	2.000	EA	1.0000	7/09/99	99/99/99					1	3		N	6/30/98		
..3	150	1	P	10-0247-00-00	DIA2.6X10PH(+),ZN CHR PLT	00	10	4.000000	8.000	EA	1.0000	9/08/97	99/99/99					30	33		N	5/19/97		CHI
..3	160	2	P	10-1025-00-00	PTS,STL,02X8,PH(+),ZN-PLT,CT2	01	10	6.000000	12.000	EA	1.0000	9/08/97	99/99/99					30	33		N	5/28/96		CHI
..3	170	3	P	14-3101-41-30	STD,BRN,1007,#26,100L,3T3T	01	14	1.000000	2.000	EA	1.0000	9/19/97	99/99/99					30	33		N	1/17/95		CHI
..3	180	4	P	14-3101-49-30	STD,WHT,1007,#26,100L,3T3T	01	14	1.000000	2.000	EA	1.0000	9/19/97	99/99/99					30	33		N	1/17/95		CHI
..3	190	5	P	14-3131-40-30	STD,BLK,UL,#26 L=130MM(3T3T)	00	14	1.000000	2.000	EA	1.0000	9/19/97	99/99/99					30	33		N	1/17/95		CHI
..3	200	6	P	14-3131-42-30	STD,RED,1007,#26,130L,3T3T	01	14	1.000000	2.000	EA	1.0000	9/19/97	99/99/99					30	33		N	1/17/95		CHI
..3	210	7	P	14-3141-54-40	STD,YEL,1007,#28,140L,4T4T	01	14	1.000000	2.000	EA	1.0000	9/19/97	99/99/99					30	33		N	5/19/97		CHI
..3	230	8	P	14-3141-55-40	STD,GRN,1007,#28,140L,4T4T	01	14	1.000000	2.000	EA	1.0000	9/19/97	99/99/99					30	33		N	1/17/95		CHI
..3	250	9	P	14-3141-56-40	STD,BLU,1007,#28,140L,4T4T	01	14	1.000000	2.000	EA	1.0000	9/19/97	99/99/99					30	33		N	1/17/95		CHI
..3	325	13	P	31-3601-00-00	BRACKET,CHARGER,R.0	01	31	1.000000	2.000	EA	1.0000	10/31/97	99/99/99					45	48		N	1/17/95		CHI
..3	344	19	P	31-4452-00-00	CONTACT CHARGE VT3921 R.0	01	31	2.000000	4.000	EA	1.0000	7/24/99	99/99/99					45	48		N			CHI
..3	345	18	P	31-4453-00-00	CONTACT-BATT CHARGE VT3921 R.0	01	31	2.000000	4.000	EA	1.0000	7/24/99	99/99/99					45	48		N			CHI
..3	400	20	P	30-5760-00-00	LIGHT-GUIDE CHARGE VT3921 R.0	01	30	1.000000	2.000	EA	1.0000	7/24/99	99/99/99					45	48		N			
..3	410	21	P	30-5761-10-00	TOP-CHARGE VT3921 BLK R.0,0	01	30	1.000000	2.000	EA	1.0000	7/24/99	99/99/99					45	48		N			
..3	420	22	P	30-5762-00-00	BOTTOM-CHARGE VT3921 BLK R.0,0	01	30	1.000000	2.000	EA	1.0000	7/24/99	99/99/99					45	48		N			

BOM MATERIAL LISTING LISTING INDENTED ALL COMPONENTS W/O SIGNED LINE W/O CUSTOMER P/N																									
From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility																									
Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap UM	Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Cost %	Days Lead Time	Cum Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.	
...	4	60	5	P	22-3225-08-A4 C3 V EMK316F105ZD-T V C3216Y5V1C225ZT V GRM42-6Y5V 225Z 16PE V C225Z1206YCLV00 V EMK316F225ZF-T	CAP,CER,2.2UF,16V,+80,-20%	TAIYO YUDEN TAIYO YUDEN TDK MURATA CENTRALAB TAIYO YUDEN	01 22	1.000000	2.000	EA	1.0000	8/12/97	99/99/99					65	69		N	6/26/99		TWN JPN
...	4	75	6	P	23-0000-82-10 R2 V 23-0000-82-10	RES,SMD,0805,RL,0 OHM,1/10W,5%	ANY	00 23	1.000000	2.000	EA	1.0000	8/12/97	99/99/99					45	49		N			TWN CHI
...	4	85	7	P	23-0104-82-10 R8 V 23-0104-82-10	RES,SMD,0805,RL,100K,1/10W,5%	ANY	01 23	1.000000	2.000	EA	1.0000	8/12/97	99/99/99					45	49		N	7/13/96		CHI TWN
...	4	90	8	P	23-0122-82-10 R3 V 23-0122-82-10	RES,SMD,0805,RL,1.2K,1/10W,5%	ANY	00 23	1.000000	2.000	EA	1.0000	8/12/97	99/99/99					45	49		N	8/05/97		TWN CHI
...	4	91	9	P	23-0123-82-10 R6,9 V 23-0123-82-10	RES,SMD,0805,RL,12K,1/10W,5%	ANY	00 23	2.000000	4.000	EA	1.0000	8/12/97	99/99/99					45	49		N	7/13/96		CHI PHI
...	4	100	10	P	23-0201-82-10 R5 V 23-0201-82-10 V RC2012J0201CS	RES,SMD,0805,200 OHM,1/10W,5%	ANY SAMSUNG	00 23	1.000000	2.000	EA	1.0000	8/12/97	99/99/99					45	49		N	7/13/96 10/09/96		TWN CHI
...	4	101	11	P	23-0202-82-10 R4 V 23-0202-82-10	RES,SMD,0805,2K OHM,1/10W,5%	ANY	00 23	1.000000	2.000	EA	1.0000	8/12/97	99/99/99					45	49		N	7/13/96		TWN CHI
...	4	110	12	P	23-0331-82-10 R1 V 23-0331-82-10 V RC-05K331JT	RES,SMD,0805,RL,330,0.1W,5%	ANY FENG HUA	00 23	1.000000	2.000	EA	1.0000	8/12/97	99/99/99					45	49		N	7/13/96 2/09/98		TWN KOR
...	4	120	13	P	23-0394-82-10 R7 V 23-0394-82-10	RES,SMD,0805,RL,390K,1/10W,5%	ANY	00 23	1.000000	2.000	EA	1.0000	8/12/97	99/99/99					45	49		N	7/15/96		TWN
...	4	149	14	P	35-4160-03-00 V 35-4160-03-00	PCB,PDL,HS,HEADSET,R.3	TAITON	01 35	1.000000	2.000	EA	1.0000	11/15/98	99/99/99					40	44		N	3/15/99		CHI
.2		20	2	M	50-4064-02-00	PCB ASSY,SONY-2L H/S,LCD BD		01 50	1.000000	2.000	EA	1.0000	5/27/98	99/99/99					1	3		N			
..3		170	2	P	40-4037-75-00 V 40-4037-75-00	HEAT SEAL 75 PINS PITCH0.60X74	LINPO TECHNOLOG	01 40	1.000000	2.000	EA	1.0000	7/16/96	99/99/99					60	63		N	9/18/96		JPN
..3		180	3	P	43-1054-00-25 P2,3 V 94-22 VGC/S2 V WP2022-2V	LED,BACKLIGHTING,94-22	EVERLIGHT WAICHI	01 43	2.000000	4.000	EA	1.0000	7/16/96	99/99/99					45	48		N	6/21/96 12/05/98		TWN CHI
..3		189	4	P	43-1084-00-00 V WK-SZ3582-FG	LCD-PANEL,REFLECT,5X7	WINTEK	01 43	1.000000	2.000	EA	1.0000	5/10/99	99/99/99					50	53		N	10/29/98		CHI
..3		200	5	P	46-1075-01-00 V 46-1075-01-00	FLAT CABLE,UL2896 3+40+3MM	TUNG HING	01 46	1.000000	2.000	EA	1.0000	7/10/98	99/99/99					60	63		N	6/05/98		CHI
..3		400	6	M	50-4064-04-00	SMDA,SONY-2L,HS LCD		01 50	1.000000	2.000	EA	1.0000	10/23/98	99/99/99					1	4		N			
...4		80	1	P	15-1014-00-00 V 15-1014-00-00	SMD-ADHESIVE,CSM-933-65-1	EMERSON&CUMING	01 15	.000000	.000	GM	1.0000	5/09/96	99/99/99					30	34		Y	7/16/96		
...4		83	2	P	15-1036-00-00	BLK PASTE,1KG/SYRINGE,50400-1		01 15	.000000	.000	G	1.0000	5/02/99	99/99/99					30	34		Y			CHI

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap UM	Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Cost %	Days Lead Time	Cum Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.	
...	4	90	3	P	V AMICON 50400-1 15-1018-00-00 DIE-ADH,SILVER-WHT,25GM/CAN R89,115	01	15	.000000	.000	GM	1.0000	7/03/96	99/99/99					30	34		Y	3/08/99		USA	
...	4	110	4	0	V 15-1018-00-00 22-3104-16-PA BLANK TO 22-3104-16-M3 C1,2,3,4,5,6,7	01	22	7.000000	14.000	EA	1.0000	2/07/98	99/99/99						4			N	8/22/96		
....	5	100	1	0	22-3104-16-PB BLANK TO 22-3104-16-M3	01	22	1.000000	14.000	EA	1.0000	2/06/98	99/99/99						4			N			
.....	6	100	1	0	22-3104-16-PC BLANK TO 22-3104-16-M3	01	22	1.000000	14.000	EA	1.0000	2/06/98	99/99/99						4			N			
.....	7	100	1	0	22-3104-16-PD BLANK TO 22-3104-16-M3	01	22	1.000000	14.000	EA	1.0000	2/06/98	99/99/99						4			N			
.....	8	100	1	0	22-3104-16-PE BLANK TO 22-3104-16-M3	01	22	1.000000	14.000	EA	1.0000	2/06/98	99/99/99						4			N			
.....	9	100	1	0	22-3104-16-PF BLANK TO 22-3104-16-M3	01	22	1.000000	14.000	EA	1.0000	2/06/98	99/99/99						4			N			
.....	10	100	1	P	22-3104-16-M3 CAP,CER,0.1UF,25V,10%	01	22	1.000000	14.000	EA	1.0000	2/06/98	99/99/99					65	69		N			CHI SPG	
...	4	139	5	P	V GRM40X7R104K25PT C2012X7R1E104KT V C104K0805XFLU00 V CL21B104KANC	01	23	1.000000	2.000	EA	1.0000	6/16/99	99/99/99						45	49		N	3/24/99 1/21/97		TWN CHI
...	4	140	6	P	V 23-0134-86-21 RES,SMD,0603,RL,150K,1/16W,5% R2	01	23	1.000000	2.000	EA	1.0000	6/09/99	6/15/99						45	49		N	7/13/96		TWN CHI
...	4	150	7	P	V 23-0154-86-21 RES,SMD0603,REEL,300K,1/16W,5% R1	01	23	1.000000	2.000	EA	1.0000	2/10/96	99/99/99						45	49		N	7/13/96		TWN PHI
...	4	160	8	P	V 23-0304-86-21 RES,SMD,0603,REEL,51,1/16W,5% R3,4	01	23	2.000000	4.000	EA	1.0000	6/11/96	99/99/99						45	49		N	7/13/96		TWN KOR
...	4	179	9	P	V 23-0510-86-21 IC,LCD DRIVER,DIE, SED1235D U1	01	27	1.000000	2.000	EA	1.0000	6/16/99	99/99/99					105	109		N	7/15/96		JPN	
...	4	180	10	P	V SED1235DAA IC,LCD,DRIVER,DIE,SED1235DAC U1	01	27	1.000000	2.000	EA	1.0000	6/09/99	6/15/99					105	109		N	3/19/96		JPN	
...	4	185	11	P	V SED1235DAC BONDING WIRE 0.43MG/20CM V 29-3039-00-00	01	29	.000000	.000	FT	1.0000	5/16/96	99/99/99					70	74		N	6/26/98		HKG	
...	4	219	12	P	V 29-3039-00-00 PCB PDLC HS LCD R.0,1 V 35-4110-02-00	01	35	1.000000	2.000	EA	1.0000	12/01/97	99/99/99					40	44		N	6/05/96		CHI	
.2		35	7	M	V 35-4110-02-00 PCBA,VT3921,HS MAIN	01	50	1.000000	2.000	EA	1.0000	8/05/99	99/99/99					1	3		N	4/15/98			
..3		149	1	M	V 29-3039-00-00 STD,BLK,1007,#26,40L,3T3T V 14-3400-40-VT	01	14	1.000000	2.000	EA	1.0000	8/26/99	99/99/99							3		N			
...	4	150	1	P	V 14-3400-40-VT STD,BLK,1007,AWG#26,2000FT V E0726TS0010AA	01	14	.131000	.262	FT	1.0000	6/28/99	99/99/99					30	33		N	7/09/99		CHI	
..3		150	2	P	V E0726TS0010AA STD,BLK,1007,#26,40L,3T3T V 14-3400-40-30	00	14	1.000000	2.000	EA	1.0000	7/27/99	8/25/99					30	33		N	7/09/99		CHI	
..3		159	3	M	V 14-3400-40-30 STD,RED,1007,#26,40L,4T4T V 14-3400-42-VT	01	14	1.000000	2.000	EA	1.0000	8/31/99	99/99/99						3		N	3/22/97			
...	4	150	1	P	V 14-3400-42-VT STD,RED,1007,AWG#26,2000FT V E0726TS0010CA	01	14	.131000	.262	FT	1.0000	6/28/99	99/99/99					30	33		N	7/09/99		CHI	
..3		160	4	P	V E0726TS0010CA STD,RED,UL,#26,L=40,4T4T	00	14	1.000000	2.000	EA	1.0000	7/28/99	8/30/99					30	33		N	7/09/99		CHI	

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Days Cost %	Cum Lead Time	Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
...	4	110	4	P	20-3018-03-04 X'TR NE2SC4226,R25-T1 Q4	V HMBT3904	HI-SINCERITY	1.000000	2.000	EA 1.0000	12/07/97	99/99/99					82	86		N	10/06/98		MAL
...	4	115	5	P	20-3066-03-00 X'TR,RF/NPN,SOT323,RL,2SC4227 Q2	V NE2SC4226-T1-R25	NEC	1.000000	2.000	EA 1.0000	12/07/97	99/99/99					82	86		N			MAL
...	4	118	6	P	20-3067-23-00 X'TR,RF/NPN,SOT323,HFE 120-180 Q8	V 2SC4227-T1-R34	NEC	1.000000	2.000	EA 1.0000	1/06/99	99/99/99					82	86		N	7/12/97		JPN
...	4	119	7	P	20-3067-13-00 X'TR,RF/NPN,SOT323,RL,2SC4083 Q1,9	V 2SC4083T106Q	ROHM	2.000000	4.000	EA 1.0000	1/06/99	99/99/99					82	86		N	12/04/98		JPN
...	4	123	8	P	20-1161-03-00 X'TR MOSFET SOT143R RL CF739R Q7	V 2SC4083T106P	ROHM	1.000000	2.000	EA 1.0000	5/11/99	99/99/99					70	74		N	8/07/97		MAL
...	4	130	9	P	21-0001-01-00 DIODE,SW,SOT23,SMD BAS16 D4	V CF739RE6757	SIEMENS	1.000000	2.000	EA 1.0000	12/07/97	99/99/99					75	79		N	6/21/99		SPG TWN
...	4	135	10	P	21-1012-04-N8 VOLT SUPP,STATIC GUARD D18,19	V BAS16	PHILIPS	2.000000	4.000	EA 1.0000	12/07/97	99/99/99					97	101		N	6/13/96		SPG JPN
...	4	145	11	P	21-1035-04-00 DIODE,SW,SOT23 D7,8,17	V VC08LC18A500R	AVX	3.000000	6.000	EA 1.0000	12/07/97	99/99/99					75	79		N	1/15/98		PHI TWN
...	4	150	12	0	21-1047-04-PA BLANK TO 21-1047-04-00 D2,3,1	V VCM21R180A151PT	MURATA	3.000000	6.000	EA 1.0000	6/11/98	99/99/99						4		N	5/02/97		
....	5	100	1	0	21-1047-04-PB BLANK TO 21-1047-04-00	V BAV99LT1	MOTOROLA	1.000000	6.000	EA 1.0000	6/19/98	99/99/99						4		N	6/13/96		
.....	6	100	1	0	21-1047-04-PC BLANK TO 21-1047-04-00	V HBAV99	HI-SINCERITY	1.000000	6.000	EA 1.0000	6/03/98	99/99/99						4		N	9/11/96		
.....	7	100	1	0	21-1047-04-PD BLANK TO 21-1047-04-00	V BAV99	N.S	1.000000	6.000	EA 1.0000	6/03/98	99/99/99						4		N	6/13/96		
.....	8	100	1	0	21-1047-04-PE BLANK TO 21-1047-04-00	V BAV99	PHILIPS	1.000000	6.000	EA 1.0000	6/03/98	99/99/99						4		N			
.....	9	100	1	0	21-1047-04-PF BLANK TO 21-1047-04-00	V BAV99	PHILIPS	1.000000	6.000	EA 1.0000	6/03/98	99/99/99						4		N			
.....	10	100	1	P	21-1047-04-00 DIODE,VRA,USC,SMD	V 1SV214	TOSHIBA	1.000000	6.000	EA 1.0000	6/19/98	99/99/99					70	74		N	5/08/98		MAL
...	4	155	13	P	22-3100-20-G6 CAP,CER,10PF,50V,+-.0.25PF C38,101	V BB535	SIEMENS	2.000000	4.000	EA 1.0000	12/07/97	99/99/99					65	69		N			SPG JPN
...	4	160	14	P	22-3102-26-G5 CAP,CER,1000PF,50V,+-.10% C95,96,106	V GRM39COG100C50PT	MURATA	3.000000	6.000	EA 1.0000	12/07/97	99/99/99					65	69		N	6/18/96		TWN CHI
						V C1608COG1H100CT	TDK														6/18/96		
						V C100C0603CFLU00-V	CENTRALAB														4/22/98		
						V GRM39X7R102K50PT	MURATA														3/06/97		

BOM MATERIAL LISTING LISTING INDENTED ALL COMPONENTS W/O SIGNED LINE W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Table with columns: Level, Bub No, Seq No, It Ty, Child Item, Description, Rv No, It Cl, Qty Reqd, Cum Qty, Scrap Factor, Eff Date, Disc Date, Opr No, DYS OFS, Comp Code, C/B % Time, Days Lead, Cum Lead Time, Fac Cd, Must Iss, Approval Date, Spec. Date, Country of Org.

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Cost %	Days Lead Time	Cum Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
...	4	258	31	P	22-3330-25-G6 V C10608COG1H2R7CT V C279C0603CFLU00 CAP,CER,33PF,50V,5% C136	01	22	1.000000	2.000	EA	1.0000	6/13/98	99/99/99				65	69		N	6/22/96 1/07/98		TWN CHI
...	4	260	32	P	22-3334-18-L9 V GRM39COG330J50PT V C330J0603CFLU00 V C1608COG1H330JT CAP,CER,0.33UF,25V,+80-20% C116	00	22	1.000000	2.000	EA	1.0000	12/07/97	99/99/99				65	69		N	6/18/96 1/07/98 1/23/97		JPN CHI
...	4	265	33	P	22-3339-20-G6 V GRM42-6Y5V334Z25 V CM316Y5V334Z25ATM V CM316Y5V334Z25ATM V 1206Z334Z025BTR CAP,CER,3.3PF,50V,+-.25PF C12,17,22,71	01	22	4.000000	8.000	EA	1.0000	12/07/97	99/99/99				65	69		N	6/22/96		TWN CHI
...	4	270	34	P	22-3390-25-G6 V GRM39COG3R3C50PT V C339C0603CFLU00 V C1608COG1H3R3CT V CL10C3R3CBNC CAP,CER,39PF,50V,+5% C48	01	22	1.000000	2.000	EA	1.0000	5/14/98	99/99/99				65	69		N	3/24/99 6/19/96 6/22/96 4/13/99		TWN CHI
...	4	275	35	P	22-3393-06-G5 V GRM39COG390J50PT V C1608COG1H390JT V C390J0603CFLU00 CAP,CER,0.039UF,16V,10% C76	01	22	1.000000	2.000	EA	1.0000	12/09/97	99/99/99				65	69		N	6/18/96 6/22/96 1/07/98		JPN CHI
...	4	280	36	P	22-3399-20-G6 V GRM39X7R393K16PT V GRM39COG3R9C50PT V C399C0603CFLU00 V C1608COG1H3R9CT V C399C0603CFLU00 CAP,CER,3.9PF,50V,0.25PF C11,18	01	22	2.000000	4.000	EA	1.0000	12/07/97	99/99/99				65	69		N	12/13/97 6/18/96 1/18/95 6/22/96 1/18/95		CHI TWN
...	4	285	37	P	22-3439-20-G6 V GRM39COG4R3C50PT V C1608COG1H4R3CT V C439C0603CFLU00 CAP,CER,4.3PF,50V,+-.25PF C2,3	01	22	2.000000	4.000	EA	1.0000	12/07/97	99/99/99				65	69		N	6/18/96 1/18/95 1/07/98		CHI JPN
...	4	286	38	0	22-3470-25-PA C8,9,13,14,16,20,21,31,39,56,63,64 BLANK TO 22-3470-25-G6	01	22	12.000000	24.000	EA	1.0000	2/07/98	99/99/99					4		N			
....	5	100	1	0	22-3470-25-PB BLANK TO 22-3470-25-G6	01	22	1.000000	24.000	EA	1.0000	2/06/98	99/99/99					4		N			
.....	6	100	1	0	22-3470-25-PC BLANK TO 22-3470-25-G6	01	22	1.000000	24.000	EA	1.0000	2/06/98	99/99/99					4		N			
.....	7	100	1	0	22-3470-25-PD BLANK TO 22-3470-25-G6	01	22	1.000000	24.000	EA	1.0000	2/06/98	99/99/99					4		N			
.....	8	100	1	0	22-3470-25-PE BLANK TO 22-3470-25-G6	01	22	1.000000	24.000	EA	1.0000	2/06/98	99/99/99					4		N			
.....	9	100	1	0	22-3470-25-PF BLANK TO 22-3470-25-G6	01	22	1.000000	24.000	EA	1.0000	2/06/98	99/99/99					4		N			
.....	10	100	1	P	22-3470-25-G6 V GRM39COG470J50PT V C1608COG1H470JT V C470J0603CFLU00-V V CL10C470JBNC CAP,CER,RL,47PF,50V,5%	01	22	1.000000	24.000	EA	1.0000	2/06/98	99/99/99				65	69		N	3/24/99 6/22/96 1/07/98 4/13/99		TWN CHI

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap UM	Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Cost %	Days Lead Time	Cum Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
...	4	295	39	P	22-3471-26-G5	CAP,CER,470PF,50V,+ -10%	01 22	4.000000	8.000	EA	1.0000	12/07/97	99/99/99					65	69		N			TWN CHI
					C77,114,133,135																			
					V GRM39X7R471K50PT		MURATA																6/22/96	
					V C1608X7R1H471KT		TDK																6/22/96	
					V C471K0603XFLU00-V		CENTRALAB																1/07/98	
...	4	300	40	0	22-3479-20-PA	BLANK TO 22-3479-20-G6	01 22	9.000000	18.000	EA	1.0000	2/07/98	99/99/99							4		N		
					C50,58,59,70,72,74,81,82,120																			
....	5	100	1	0	22-3479-20-PB	BLANK TO 22-3479-20-G6	01 22	1.000000	18.000	EA	1.0000	2/06/98	99/99/99									N		
....	6	100	1	0	22-3479-20-PC	BLANK TO 22-3479-20-G6	01 22	1.000000	18.000	EA	1.0000	2/06/98	99/99/99									N		
.....	7	100	1	0	22-3479-20-PD	BLANK TO 22-3479-20-G6	01 22	1.000000	18.000	EA	1.0000	2/06/98	99/99/99									N		
.....	8	100	1	0	22-3479-20-PE	BLANK TO 22-3479-20-G6	01 22	1.000000	18.000	EA	1.0000	2/06/98	99/99/99									N		
.....	9	100	1	0	22-3479-20-PF	BLANK TO 22-3479-20-G6	01 22	1.000000	18.000	EA	1.0000	2/06/98	99/99/99									N		
.....	10	100	1	P	22-3479-20-G6	CAP,CER,4.7PF,50V,+ -0.25PF	01 22	1.000000	18.000	EA	1.0000	2/06/98	99/99/99					65	69		N			CHI TWN
					V GRM39COG4R7C50PT		MURATA																3/24/99	
					V C1608COG1H4R7CT		TDK																6/22/96	
					V C479C0603CFLU00		CENTRALAB																1/07/98	
					V CL10C4R7CBNC		SAMSUNG																4/13/99	
...	4	305	41	P	22-3561-26-G5	CAP,CER,560PF,50V,10%	01 22	2.000000	4.000	EA	1.0000	12/07/97	99/99/99							65	69	N		TWN SPG
					C27,37																			
					V GRM39X7R561K50PT		MURATA																6/19/96	
					V C1608X7R1H561KT		TDK																3/06/97	
					V C561K0603XFLU00		CENTRALAB																1/07/98	
...	4	310	42	P	22-3569-20-G6	CAP,CER,5.6PF,50V,+ -0.25PF	01 22	2.000000	4.000	EA	1.0000	12/07/97	99/99/99							65	69	N		CHI TWN
					C5,6																			
					V GRM39COG5R6C50PT		MURATA																6/18/96	
					V C1608COG1H5R6CT		TDK																6/22/96	
					V C569C0603CFLU00		CENTRALAB																1/07/98	
...	4	315	43	P	22-3680-25-G6	CAP,CER,RL,68PF,50V,5%	01 22	1.000000	2.000	EA	1.0000	12/07/97	99/99/99							65	69	N		CHI
					C75																			
					V GRM39COG680J50PT		MURATA																6/18/96	
					V C680J0603CFLU00		CENTRALAB																	
...	4	320	44	P	22-3689-20-G6	CAP,CER,6.8PF,50V,+ -0.25PF	01 22	2.000000	4.000	EA	1.0000	12/07/97	99/99/99							90	94	N		SPG CHI
					C55,66																			
					V GRM39COG6R8C50PT		MURATA																3/24/99	
					V C1608COG1H6R8CT		TDK																6/22/96	
					V C689C0603CFLU00		CENTRALAB																1/07/98	
					V CL10C6R8CBNC		SAMSUNG																4/13/99	
...	4	325	45	P	22-3759-20-G6	CAP,CER,7.5PF,50V,+ -0.25PF	01 22	2.000000	4.000	EA	1.0000	12/07/97	99/99/99							90	94	N		JPN CHI
					C32,86																			
					V GRM39COG7R5C50PT		MURATA																3/24/99	
					V C1608COG1H7R5CT		TDK																6/22/96	
					V C759C0603CFLU00		CENTRALAB																1/07/98	
					V CL10C7R5CBNC		SAMSUNG																4/13/99	
...	4	326	46	P	22-3820-25-G6	CAP,CER,RL,82PF,50V,5%	01 22	1.000000	2.000	EA	1.0000	2/12/98	99/99/99							65	69	N		SPG CHI
					C85																			
					V GRM39COG820J50PT		MURATA																6/18/96	
...	4	328	47	P	22-3829-20-G6	CAP,CER,8.2PF,50V,+ -0.25PF	01 22	1.000000	2.000	EA	1.0000	12/31/97	99/99/99							65	69	N		SPG CHI
					C52																			
					V GRM39COG8R2C50PT		MURATA																3/24/99	
					V C829C0603CFLU00		CENTRALAB																1/07/98	

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	UM	Scrap Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Days Cost %	Cum Lead Time	Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
...	4	330	48	P	22-3919-20-G6 V C1608COG1H8R2CT V CL10C8R2CBNC CAP,CER,9.1PF,50V,0.25PF C69	01	22	1.000000	2.000	EA	1.0000	12/07/97	99/99/99					65	69		N	6/22/96 4/13/99		SPG CHI
...	4	340	49	P	23-0000-86-21 V GRM39COG9R1C50PT V C1608COG1H9R1CT V C919C0603CFLU00 RES,SMD,0603,REEL,0,1/16W,5% R43,55,113,109 C73,80,115	01	23	7.000000	14.000	EA	1.0000	12/07/97	99/99/99					45	49		N	6/18/96 6/22/96 1/07/98		TWN CHI
...	4	354	50	P	23-0100-86-21 V 23-0000-86-21 RES,SMD,0603,REEL,10,1/16W,5% R23	01	23	1.000000	2.000	EA	1.0000	11/17/98	99/99/99					45	49		N	7/13/96		TWN CHI
...	4	354	51	P	23-0101-86-21 V 23-0100-86-21 RES,SMD,0603,REEL,100,1/16W,5% R9,33,35	01	23	3.000000	6.000	EA	1.0000	1/06/99	99/99/99					45	49		N	7/13/96		TWN CHI
...	4	365	52	0	23-0102-86-PA V 23-0101-86-21 BLANK TO 23-0102-86-21 R15,74,99,138	01	23	4.000000	8.000	EA	1.0000	12/07/97	99/99/99						4		N	7/13/96		
....	5	100	1	0	23-0102-86-PB BLANK TO 23-0102-86-21	01	23	1.000000	8.000	EA	1.0000	3/24/98	99/99/99						4		N			
.....	6	100	1	0	23-0102-86-PC BLANK TO 23-0102-86-21	01	23	1.000000	8.000	EA	1.0000	3/19/98	99/99/99						4		N			
.....	7	100	1	0	23-0102-86-PD BLANK TO 23-0102-86-21	01	23	1.000000	8.000	EA	1.0000	3/19/98	99/99/99						4		N			
.....	8	100	1	0	23-0102-86-PE BLANK TO 23-0102-86-21	01	23	1.000000	8.000	EA	1.0000	3/19/98	99/99/99						4		N			
.....	9	100	1	0	23-0102-86-PF BLANK TO 23-0102-86-21	01	23	1.000000	8.000	EA	1.0000	3/19/98	99/99/99						4		N			
.....	10	100	1	P	23-0102-86-21 V 23-0102-86-21 RES,SMD,0603,REEL,1K,1/16W,5% R15,74,99,138	01	23	1.000000	8.000	EA	1.0000	3/24/98	99/99/99					45	49		N	7/13/96 1/17/98		TWN CHI
...	4	376	53	0	23-0103-86-PA V RC-03K102JT BLANK TO 23-0103-86-21 R27,45,51,53,54,57,81,67,68,72,95,115,117,92,93 R105,106	01	23	17.000000	34.000	EA	1.0000	2/07/98	99/99/99						4		N			
....	5	100	1	0	23-0103-86-PB BLANK TO 23-0103-86-21	01	23	1.000000	34.000	EA	1.0000	2/06/98	99/99/99						4		N			
.....	6	100	1	0	23-0103-86-PC BLANK TO 23-0103-86-21	01	23	1.000000	34.000	EA	1.0000	2/06/98	99/99/99						4		N			
.....	7	100	1	0	23-0103-86-PD BLANK TO 23-0103-86-21	01	23	1.000000	34.000	EA	1.0000	2/06/98	99/99/99						4		N			
.....	8	100	1	0	23-0103-86-PE BLANK TO 23-0103-86-21	01	23	1.000000	34.000	EA	1.0000	2/06/98	99/99/99						4		N			
.....	9	100	1	0	23-0103-86-PF BLANK TO 23-0103-86-21	01	23	1.000000	34.000	EA	1.0000	2/06/98	99/99/99						4		N			
.....	10	100	1	P	23-0103-86-21 V 23-0103-86-21 RES,SMD,0603,REEL,10K,1/16W,5% R48,61	01	23	1.000000	34.000	EA	1.0000	2/06/98	99/99/99					45	49		N	7/13/96 1/17/98		TWN CHI
...	4	380	54	P	23-0106-86-21 V RC-03K103JT RES,SMD,0603,RL,10M,1/16W,5% R48,61	01	23	2.000000	4.000	EA	1.0000	12/07/97	99/99/99					45	49		N			TWN CHI
...	4	390	55	P	23-0124-86-21 V 23-0106-86-21 RES,SMD,0603,RL,120K,1/16W,5% R78	01	23	1.000000	2.000	EA	1.0000	12/07/97	99/99/99					45	49		N	7/13/96		TWN CHI
...	4	396	56	P	23-0130-86-21 V 23-0124-86-21 RES,SMD,0603,13 OHM,1/16W,5% R24,63	01	23	2.000000	4.000	EA	1.0000	11/17/98	99/99/99					45	49		N	7/13/96		TWN CHI
...	4	400	57	P	23-0134-86-21 V 23-0130-86-21 RES,CR,SMD,0603,130K,1/16W,5% R26,62	01	23	2.000000	4.000	EA	1.0000	12/07/97	99/99/99					45	49		N	5/21/98		TWN CHI
					V 23-0134-86-21																	7/13/96		

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap UM	Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Days Cost %	Cum Lead Time	Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
...4	405	58	P	23-0152-86-21	RES,SMD,0603,REEL,1K5,1/16W,5% R42,11,107,102,70 V 23-0152-86-21	01	23	5.000000	10.000	EA	1.0000	12/07/97	99/99/99					45	49		N			TWN CHI
...4	410	59	P	23-0153-86-21	RES,SMD,0603,REEL,15K,1/16W,5% R3 V 23-0153-86-21	01	23	1.000000	2.000	EA	1.0000	12/07/97	99/99/99					45	49		N	7/13/96		TWN CHI
...4	415	60	P	23-0154-86-21	RES,SMD,0603,RL,150K,1/16W,5% R16 V 23-0154-86-21	01	23	1.000000	2.000	EA	1.0000	12/07/97	99/99/99					45	49		N	7/13/96		TWN CHI
...4	420	61	P	23-0180-86-21	RES,SMD,0603,REEL,18R,1/16W,5% R85 V 23-0180-86-21	01	23	1.000000	2.000	EA	1.0000	12/07/97	99/99/99					45	49		N	7/13/96		TWN CHI
...4	422	62	P	23-0181-86-21	RES,SMD,0603,REEL,180,1/16W,5% R76 V 23-0181-86-21	01	23	1.000000	2.000	EA	1.0000	2/12/98	99/99/99					45	49		N	7/13/96		TWN CHI
...4	425	63	P	23-0182-86-21	RES,SMD,0603,RL,1.8K,1/16W,5% R58 V 23-0182-86-21	01	23	1.000000	2.000	EA	1.0000	12/07/97	99/99/99					45	49		N	7/13/96		TWN PHI
...4	430	64	P	23-0183-86-21	RES,SMD,0603,REEL,18K,1/16W,5% R47 V 23-0183-86-21	01	23	1.000000	2.000	EA	1.0000	12/07/97	99/99/99					45	49		N	7/13/96		TWN CHI
...4	436	65	P	23-0203-86-21	RES,SMD,0603,REEL,20K,1/16W,5% R108 V 23-0203-86-21	01	23	1.000000	2.000	EA	1.0000	11/17/98	99/99/99					45	49		N	7/13/96		TWN CHI
...4	440	66	P	23-0220-86-21	RES,SMD,0603,RL,22R,1/16W,5% R29 V 23-0220-86-21	01	23	1.000000	2.000	EA	1.0000	12/07/97	99/99/99					45	49		N	7/13/96		TWN KOR
...4	445	67	P	23-0221-86-21	RES,SMD,0603,RL,220,1/16W,5% R13,18 V 23-0221-86-21	01	23	2.000000	4.000	EA	1.0000	12/07/97	99/99/99					45	49		N	7/13/96		TWN CHI
...4	450	68	P	23-0225-86-21	RES,SMD,0603,REEL,2M2,1/16W,5% R86 V 23-0225-86-21	01	23	1.000000	2.000	EA	1.0000	12/07/97	99/99/99					45	49		N	7/13/96		TWN KOR
...4	455	69	P	23-0240-86-21	RES,SMD,0603,REEL,24,1/16W,5% R19,20,37,50,52 V 23-0240-86-21	01	23	5.000000	10.000	EA	1.0000	12/07/97	99/99/99					45	49		N	7/13/96		TWN CHI
...4	460	70	P	23-0271-86-21	RES,SMD,0603,RL,270,1/16W,5% R32 V 23-0271-86-21	01	23	1.000000	2.000	EA	1.0000	12/07/97	99/99/99					45	49		N	7/13/96		TWN CHI
...4	465	71	P	23-0273-86-21	RES,SMD,0603,REEL,27K,1/16W,5% R5 V 23-0273-86-21	01	23	1.000000	2.000	EA	1.0000	12/07/97	99/99/99					45	49		N	7/13/96		TWN CHI
...4	470	72	P	23-0301-86-21	RES,SMD,0603,REEL,300,1/16W,5% R41 V 23-0301-86-21	01	23	1.000000	2.000	EA	1.0000	12/07/97	99/99/99					45	49		N	7/09/96		TWN CHI
...4	475	73	P	23-0331-86-21	RES,SMD,0603,RL,330,1/16W,5% R14,21,60 V 23-0331-86-21	01	23	3.000000	6.000	EA	1.0000	12/07/97	99/99/99					45	49		N	7/13/96		TWN KOR
					V 23-0331-86-21																	7/09/96		

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Days Cost %	Cum Lead Time	Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
...	4	543	88	P	V 23-1002-G0-21 23-1102-G0-21 RES,SMD,0603,RL,11K,1/16W,1% R38	01	23	1.000000	2.000	EA 1.0000	3/13/99	99/99/99					60	64		N	12/13/97		TWN JPN
...	4	544	89	P	V 23-1102-G0-21 23-1302-G0-21 RES,SMD,0603,RL,13K,1/16W,1% R28	01	23	1.000000	2.000	EA 1.0000	6/01/98	99/99/99					60	64		N	2/06/98		TWN JPN
...	4	550	90	P	V 23-1302-G0-21 23-3013-84-10 RES,CR,SMD,0805,301K,1/10W,1% R84	01	23	1.000000	2.000	EA 1.0000	12/07/97	99/99/99					60	64		N	3/24/98		TWN JPN
...	4	555	91	P	V 23-3013-84-10 23-3922-G0-10 RES,SMD,0603,RL,39K2,1/16W,1% R120	01	23	1.000000	2.000	EA 1.0000	12/09/97	99/99/99					60	64		N	7/18/96		TWN JPN
...	4	560	92	P	V 23-3922-G0-10 23-4120-G0-21 RES,SMD,0603,RL,412R,1/16W,1% R119	01	23	1.000000	2.000	EA 1.0000	2/12/98	99/99/99					60	64		N	12/09/97		TWN JPN
...	4	565	93	P	V 23-4120-G0-21 23-6192-84-10 RES,SMD,0805,RL,61.9K,1/10W,1% R77,83	01	23	2.000000	4.000	EA 1.0000	12/07/97	99/99/99					60	64		N	2/06/98		TWN JPN
...	4	568	94	P	V 23-6192-84-10 25-3533-00-28 FILTER,CER,926MHZ F2	01	25	1.000000	2.000	EA 1.0000	12/16/98	99/99/99					70	74		N	7/18/96		JPN
...	4	573	95	P	V CF6118901 25-3532-00-28 FILTER,CER,904MHZ F1	01	25	1.000000	2.000	EA 1.0000	12/16/98	99/99/99					70	74		N	3/19/99		JPN
...	4	580	96	P	V CF6118701 25-3486-00-56 FILTER,SAW,903.65MHZ F3	01	25	1.000000	2.000	EA 1.0000	12/07/97	99/99/99					70	74		N	3/19/99		GER
...	4	585	97	P	V B4015 25-3486-01-56 INDUCTOR 3.3UH,5%,SMD L2,13	01	25	2.000000	4.000	EA 1.0000	12/07/97	99/99/99					60	64		N	2/24/98		JPN
...	4	586	109	P	V LQHIN3R3J04 27-1573-B0-01 IC,OCTAL LATCH,3-STA,LOW VOLT U3	01	27	1.000000	2.000	EA 1.0000	8/05/99	99/99/99					82	86		N	6/10/98		MAL
...	4	587	98	P	V 74LVQ573SJ 27-2046-00-01 IC,VOLT,REG,3V U5	01	27	1.000000	2.000	EA 1.0000	3/14/98	99/99/99					75	79		N	3/19/96		MAL
...	4	592	110	P	V LP2981IM5-3.0 27-30A1-09-01 IC,EPROM,TSOP,128KX8 U4	01	27	1.000000	2.000	EA 1.0000	8/05/99	99/99/99					82	86		N	9/05/96		MAL
...	4	594	99	P	V NM27LV010BT250 27-30M3-03-38 IC,EEPROM,SOIC,93C86 U13	01	27	1.000000	2.000	EA 1.0000	11/13/99	99/99/99					82	86		N	11/06/97		THA
...	4	595	100	P	V CAT93C86S 27-30B5-00-01 IC,EEPROM,128K-BIT U13	01	27	1.000000	2.000	EA 1.0000	7/27/99	11/12/99					82	86		N	6/16/99		MAL
...	4	602	101	P	V NM93C86ALM8 27-3979-00-23 IC ASIC DIE H/S V40 MASK U11	01	27	1.000000	2.000	EA 1.0000	3/04/99	99/99/99					90	94		N	3/26/98		MAL
					V 27-3979-00-23																4/14/98		

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap UM	Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Days %	Cum Lead Time	Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
...4	605	102	P	27-6685-04-00	IC,FM DEMOD,QFP,MC13156FB	01	27	1.000000	2.000	EA	1.0000	12/07/97	99/99/99					90	94		N			TWN
				U1																				
				V MC13156FB	MOTOROLA																		8/17/95	
...4	610	103	P	27-66A8-03-01	IC,FREQ SYN,SO16,LMX2337MX	01	27	1.000000	2.000	EA	1.0000	12/07/97	99/99/99					105	109		N			PHI
				U2																				
				V LMX2337MX	NS																		3/19/96	
...4	630	104	P	35-4207-16-00	PCB,PDLc,BS&HS,900M ASIC,R.0	01	35	1.000000	2.000	EA	1.0000	7/11/99	99/99/99					40	44		N			CHI
				V 35-4207-16-00	B.N.I.																		6/11/99	
				V 35-4207-16-00	EVERGREEN																		8/16/99	
...4	631	105	P	35-4207-06-00	PCB,900 ASIC,941 CHIP,R.0	01	35	1.000000	2.000	EA	1.0000	6/22/99	7/10/99					40	44		N			CHI
				V 35-4207-06-00	EVERGREEN																		3/26/98	
...4	634	106	P	35-4274-06-00	PCB,PDL MK2,HS,MAIN,R.0	01	35	1.000000	2.000	EA	1.0000	12/16/98	99/99/99					40	44		N			CHI
				V 35-4274-06-00	LIBRA																		4/19/99	
				V 35-4274-06-00	E-TOP																			
				V 35-4274-06-00	UNIVERSAL																			
...4	656	107	P	43-1052-00-33	LED,GREEN,SML010MT	01	43	4.000000	8.000	EA	1.0000	11/17/98	99/99/99					70	74		N			JPN
				D9,10,13,14																				
				V SML-010MTT86	ROHM																		4/08/97	
...4	702	108	P	92-5111-10-00	LBL-IC MARK PDLc(H/S) R.0	01	92	1.100000	2.200	EA	1.0000	3/04/99	99/99/99					30	34		N			CHI
				V 92-5111-10-00	CHUNG TAI																		3/12/98	
.2	55	4	M	52-4042-11-00	CASING ASSY VTECH PDLc ANT NT	01	52	1.000000	2.000	EA	1.0000	9/10/98	99/99/99					1	3		N			
...3	100	1	P	10-1066-00-00	PTS,STL,D3X14,PH(+),ZN-CR PLT	01	10	1.000000	2.000	EA	1.0000	6/03/97	99/99/99					30	33		N			CHI
				V 10-1066-00-00	TOYO																		1/25/97	
...3	140	2	P	31-4171-00-00	ANT-BKT-RET,HS,PDL-NT,BLK,R.0	01	31	1.000000	2.000	EA	1.0000	6/03/97	99/99/99					45	48		N			CHI
				V 31-4171-00-00	PAN PACIFIC																		9/17/97	
...3	162	3	P	47-1010-05-00	TELE ANT,PDL HS,W/TUBE,R.0,5	01	47	1.000000	2.000	EA	1.0000	4/30/99	6/15/99					45	48		N			TWN
				V 47-1010-05-00	HOW TSEN																		12/21/98	
				V 47-1010-05-00	YING HAO																		3/30/99	
...3	180	4	P	47-1010-06-00	TELE ANT,PDL HS,W/TUBE,R.0,5	01	47	1.000000	2.000	EA	1.0000	6/16/99	99/99/99					35	38		N			TWN
				V 47-1010-06-00	HOW TSEN																		4/19/99	
				V 47-1010-06-00	YING HAO																		6/15/99	
.2	60	5	M	52-4042-12-00	CASING ASSY VTECH PDLc LCD NT	01	52	1.000000	2.000	EA	1.0000	5/27/98	99/99/99					1	3		N			
...3	250	1	P	30-4461-00-00	LCD BRACKET,HS,PDLc,WHT,R.0,0	01	30	1.000000	2.000	EA	1.0000	6/03/97	99/99/99					40	43		N			CHI
				V 30-4461-00-00	JETCROWN																		7/09/98	
...3	255	2	P	30-4484-00-00	LIGHT DIFFUSER,HS,PDL-NT,R.0	01	30	1.000000	2.000	EA	1.0000	6/03/97	99/99/99					40	43		N			CHI
				V 30-4484-00-00	JETCROWN																		10/18/97	
...3	280	3	P	32-4034-00-00	LCD TAPE HS 900PDL R.0	01	32	1.000000	2.000	EA	1.0000	2/10/96	99/99/99					42	45		N			CHI
				V 32-4034-00-00	WIN NOBLE																		8/28/99	
				V 32-4034-00-00	SHIU FUNG																		3/11/98	
.2	100	8	M	52-4290-02-00	CASING ASSY,VT3921,HS UNIT	01	52	1.000000	2.000	EA	1.0000	8/05/99	99/99/99					1	3		N			
...3	105	1	P	10-0246-00-01	PL-S,STL,D3X12 PH(+),ZN-CH PLT	00	10	3.000000	6.000	EA	1.0000	8/21/97	99/99/99					30	33		N			CHI
				V 10-0246-00-01	TOYO																		11/10/94	
				V 10-0246-00-00	TRANS-TRADE																		6/12/96	
				V 10-0246-00-01	GENERAL																		2/04/99	
...3	109	2	P	10-3001-00-00	PTS,STL,D2.6X8,PH(+),ZN-CR,P	00	10	2.000000	4.000	EA	1.0000	7/31/97	99/99/99					30	33		N			CHI
				V 10-3001-00-00	TOYO																		11/18/94	
				V 10-3001-00-00	HK SCREWS																		3/12/96	
...3	109	3	P	10-1025-00-00	PTS,STL,02X8,PH(+),ZN-PLT,CT2	01	10	13.000000	26.000	EA	1.0000	11/11/98	99/99/99					30	33		N			CHI
				V 10-1025-00-00	TOYO																		5/28/96	
...3	121	4	P	11-5006-00-00	FIB WASHER,FIB,3X5.5X0.4T	01	11	2.000000	4.000	EA	1.0000	11/09/98	99/99/99					30	33		N			HKG

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Days Cost %	Cum Lead Time	Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
..3	130	3	P	20-1039-00-00	V 2N3906RLRP V 2N3906 V H2N3906A VCEO=-300,MPSA92	MOTOROLA SAMSUNG HI-SINCERITY	00 20	1.000000	1.000	EA 1.0000	5/25/99	99/99/99					82	85		N	8/07/98 4/14/98		KOR PHI
..3	170	4	P	22-1010-61-U4	V MPSA92 V KSP92 CAP,ELEC,1U,50V,20% C47	MOTOROLA SAMSUNG	00 22	1.000000	1.000	EA 1.0000	5/25/99	99/99/99					60	63		N	1/18/95		CHI TWN
..3	180	5	P	22-1100-31-04	V SMR010M1HD11 V CD11,1U,50V,20% V REA010MIHSA-0511 CAP,ELEC,10U,25V,20% C20	LTEC NOVA LELON	00 22	1.000000	1.000	EA 1.0000	5/25/99	99/99/99					55	58		N	6/15/96 8/06/97 8/18/98		CHI
..3	190	6	P	22-1101-21-V8	V USA1E100MCA V SSR100M1ED07U V SE100MIE V CD11X10UF50V+-20%(4X7) V 25MS710MT5 CAP,ELEC,100U,16V,20% C41	NICHICON LTEC LELON NOVA RUBYCON	01 22	1.000000	1.000	EA 1.0000	5/25/99	99/99/99					55	58		N	12/30/97 6/15/96 4/03/98 10/08/98		TWN
..3	195	7	P	22-1331-30-08	V SRR1CM101D11 V RCA101M1CSA-0511 CAP,ELEC,330UF,25V,10%,10X13 C29,32	LTEC LELON	01 22	2.000000	2.000	EA 1.0000	7/08/99	99/99/99					65	68		N	1/18/95 8/18/98		CHI
..3	200	8	P	22-1470-21-03	V EGST337K1E01G13 CAP,ELEC,47UF,16V,20% C30,31	SAMXON	00 22	2.000000	2.000	EA 1.0000	5/25/99	99/99/99					55	58		N			SPG
..3	203	9	P	22-1470-70-08	V UVX1C470MDA V REA470M1CSA-0511 V CD11 47UF 16V +-20%(5X11) CAP,ELEC,47UF,63V,10%,5X11 C1,2	NICHICON LELON NOVA	01 22	2.000000	2.000	EA 1.0000	7/08/99	99/99/99					65	68		N	6/18/98 8/20/98 1/17/98		CHI
..3	205	10	P	22-1479-90-08	V EGSU476K1J01D11 CAP,ELEC,4U7,100V,10%,5X11 C42,43,44,45,46	SAMXON	01 22	5.000000	5.000	EA 1.0000	7/08/99	99/99/99					65	68		N			CHI
..3	210	11	P	22-6473-66-87	V EGSU475K2A01D11 CAP,METAL,0.047UF,250V,10% C38,39	SAMXON	01 22	2.000000	2.000	EA 1.0000	5/25/99	99/99/99					60	63		N			
..3	220	22	P	22-7200-00-07	V 2E473KMEU CAP,TRIM,20PF,100V,N450 C28	WOO YANG	00 22	1.000000	1.000	EA 1.0000	8/03/99	99/99/99					65	68		N	7/28/95		JPN
..3	245	12	P	23-0159-10-01	V TZ03T200FR RES,CF,AXL,RL,1R5,1/4W,5% R71	MURATA	01 23	1.000000	1.000	EA 1.0000	7/08/99	99/99/99					45	48		N	1/19/95		CHI
..3	300	13	P	25-3348-00-20	V 23-0159-10-01 CRYSTAL,8.00MHZ,+/-10PPM Y1	ANY	01 25	1.000000	1.000	EA 1.0000	5/25/99	99/99/99					65	68		N	8/09/99		
					V 25-3348-00-20 V 25-3348-00-20	SHOWA RALTRON															6/05/95		

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap UM	Factor	Eff Date	Disc Date	Opr No	DYS	Comp Ofs	Code	C/B Days		Cum %	Lead Time	Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
																		Cost	Lead								
..3	310	23	P	25-5226-00-00	X'FR,CPL,18LX17WX16H	01	25	1.000000	1.000	EA	1.0000	8/05/99	99/99/99							75	78			N			
..3	350	14	P	27-0122-00-00	IC LM317T	00	27	1.000000	1.000	EA	1.0000	5/25/99	99/99/99							67	70			N	8/06/99		
..3	360	21	P	27-5060-00-00	IC,OP-AMP,PDIP,L272	01	27	1.000000	1.000	EA	1.0000	7/19/99	99/99/99							105	108			N	4/07/95		MAL
..3	410	15	P	39-3404-00-00	FOAM TAPE	01	39	1.000000	1.000	EA	1.0000	6/10/99	99/99/99							40	43			N			CHI
..3	480	16	P	40-5063-00-01	TEL-JACK,4 PIN	01	40	2.000000	2.000	EA	1.0000	5/25/99	99/99/99							67	70			N	1/02/95		CHI TWN
..3	490	17	P	40-6912-00-00	PWR JACK DIA1.3	01	40	1.000000	1.000	EA	1.0000	7/09/99	99/99/99							60	63			N	12/10/94 1/08/99		CHI
..3	500	20	P	42-3020-00-00	DIP SW	01	42	1.000000	1.000	EA	1.0000	7/19/99	99/99/99							90	93			N	3/20/99		CHI
..3	550	18	P	43-1065-00-00	LED,DIFFUSE,RED,D3X5.2	01	43	4.000000	4.000	EA	1.0000	5/25/99	99/99/99							45	48			N	8/09/99		CHI
..3	620	19	M	50-4291-02-00	SMDA,VT3921(ADPT)	01	50	1.000000	1.000	EA	1.0000	5/25/99	99/99/99							1	4			N	12/15/98		
...4	90	1	P	20-0039-01-00	X'TR,CHIP,MMBT3906T,SOT23,RL	01	20	2.000000	2.000	EA	1.0000	5/10/99	99/99/99							70	74			N			PHI TWN
...4	100	2	P	20-0041-01-00	X'TR,MMBT3904LT1,SOT-23,REEL	00	20	9.000000	9.000	EA	1.0000	5/10/99	99/99/99							70	74			N	5/25/98 1/15/98 1/15/98 6/05/98		PHI TWN
...4	130	3	P	21-1011-04-33	DIODE,ZEN,RLZJ6.2B(LL-34)	01	21	1.000000	1.000	EA	1.0000	5/10/99	99/99/99							70	74			N	10/06/98		JPN
...4	140	4	P	21-1015-04-33	DIODE,SW,LL34,CHIP,REEL	00	21	13.000000	13.000	EA	1.0000	5/10/99	99/99/99							70	74			N	11/28/95		KOR
...4	150	46	P	21-1092-04-00	DIODE,RECT,SMD,RL,400V,FM4004	01	21	15.000000	15.000	EA	1.0000	8/05/99	99/99/99							60	64			N	1/18/95		TWN
...4	190	5	P	22-3100-20-G6	CAP,CER,10PF,50V,+-.25PF	01	22	1.000000	1.000	EA	1.0000	5/10/99	99/99/99							65	69			N	7/28/99		SPG JPN
					V GRM39COG100C50PT																				6/18/96		
					V C1608COG1H100CT																				6/18/96		

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap UM	Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Cost %	Days Lead Time	Cum Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
...	4	200	6	P	22-3102-25-M2 CAP,CER,1000P,50V,5% C18,21	V C100C0603CFLU00-V	CENTRALAB	2.000000	2.000	EA	1.0000	5/10/99	99/99/99					65	69		N	4/22/98		CHI JPN
...	4	205	7	P	22-3104-26-J4 CAP,CER,0.1U,50V,10% C3,4,11,13,14,35	V GRM40COG102J50PT V C2012COG1H102JT	MURATA TDK	6.000000	6.000	EA	1.0000	5/10/99	99/99/99					65	69		N	6/18/96 1/25/97		TWN SPG
...	4	210	8	P	22-3151-25-G6 CAP,CER,RL,150PF,50V,5% C5,7,36,37	V GRM42-6X7R104K50PT V C3216X7R1H104KT	CENTRALAB DMT MURATA TDK	4.000000	4.000	EA	1.0000	5/10/99	99/99/99					65	69		N	6/18/96 6/22/96 6/19/96 1/21/97		TWN CHI
...	4	215	9	P	22-3223-26-J2 CAP,CER,0.022UF,50V,10% C9,16	V GRM39COG151J50PT V C1608COG1H151JT V C151J0603CFLU00 V CL10C151JBNC	MURATA TDK CENTRALAB SAMSUNG	2.000000	2.000	EA	1.0000	5/10/99	99/99/99					65	69		N	3/24/99 6/22/96 11/01/96 4/13/99		TWN
...	4	220	10	P	22-3332-26-G5 CAP,CER,RL,3.3NF,50V,10% C17,23	V C223K0805XFLV22C	CENTRALAB	2.000000	2.000	EA	1.0000	5/10/99	99/99/99					65	69		N	6/18/96		CHI SPG
...	4	225	11	P	22-3471-25-G6 CAP,CER,RL,470PF,50V,5% C24	V GRM39X7R332K50PT V C332K0603XFLU00-V	MURATA CENTRALAB	1.000000	1.000	EA	1.0000	5/10/99	99/99/99					65	69		N	6/19/96		CHI
...	4	230	12	P	22-3473-26-J1 CAP,CER,47000PF,50V,10% C15,19,34	V GRM39COG471J50PT	MURATA	3.000000	3.000	EA	1.0000	5/10/99	99/99/99					65	69		N	6/18/96		TWN CHI
...	4	235	13	P	22-3474-08-G8 CAP,CER,0.47UF,16V,+80,-20% C12	V C473K0805CFLV00C V UMK212B473K-T V GRM40X7R473K50PT	CENTRALAB TAIYO YUDEN MURATA	1.000000	1.000	EA	1.0000	5/10/99	99/99/99					65	69		N	6/18/96 7/06/96 6/19/96		CHI JPN
...	4	240	14	P	22-3479-20-G6 CAP,CER,4.7PF,50V,+-.0.25PF C25,27	V GRM40Y5V474Z16PT	MURATA	2.000000	2.000	EA	1.0000	5/10/99	99/99/99					65	69		N	6/19/96		CHI TWN
...	4	250	15	P	22-3560-25-G6 CAP,CER,56PF,50V,+-.5% C6,8	V GRM39COG4R7C50PT V C1608COG1H4R7CT V C479C0603CFLU00 V CL10C4R7CBNC	MURATA TDK CENTRALAB SAMSUNG	2.000000	2.000	EA	1.0000	5/10/99	99/99/99					65	69		N	3/24/99 6/22/96 1/07/98 4/13/99		SPG
...	4	270	17	P	23-0102-80-25 RES,CR,SMD,1206,RL,1K,1/4W,5% R74	V GRM39COG560J50PT	MURATA	1.000000	1.000	EA	1.0000	5/10/99	99/99/99					60	64		N	6/18/96		TWN
...	4	280	18	P	23-0103-86-21 RES,SMD,0603,REEL,10K,1/16W,5% R29,61,62,63,64,65,67,68,78,80,84,85,87,88,56 V 23-0103-86-21	V 23-0102-80-25 R29,61,62,63,64,65,67,68,78,80,84,85,87,88,56	ANY ANY	15.000000	15.000	EA	1.0000	5/10/99	99/99/99					45	49		N	6/08/99 7/13/96		TWN CHI

BOM MATERIAL LISTING LISTING INDENTED

ALL COMPONENTS

W/O SIGNED LINE

W/O CUSTOMER P/N

From Class To 99 From Item 80-4290-00-00 To 80-4290-00-00 Facility

Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Days %	Cum Lead Time	Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
...	4	290	19	P	23-0105-86-21 RES,SMD,0603,RL,1M,1/16W,5% R48	V RC-03K103JT	FENG HUA	1.000000	1.000	EA 1.0000	5/10/99	99/99/99					45	49		N	1/17/98		TWN CHI
...	4	300	20	P	23-0123-86-21 RES,SMD,0603,RL,12K 1/16W,5% R25,27,28,57	V 23-0105-86-21	ANY	4.000000	4.000	EA 1.0000	5/10/99	99/99/99					45	49		N	11/13/96		TWN CHI
...	4	310	21	P	23-0124-86-21 RES,SMD,0603,RL,120K,1/16W,5% R31,33	V 23-0123-86-21	ANY	2.000000	2.000	EA 1.0000	5/10/99	99/99/99					45	49		N	7/13/96		TWN CHI
...	4	315	22	P	23-0202-86-21 RES,CR,SMD,0603,RL,2K,1/16W,5% R66,69,79	V 23-0124-86-21	ANY	3.000000	3.000	EA 1.0000	7/08/99	99/99/99					45	49		N	7/13/96		TWN PHI
...	4	320	23	P	23-0203-86-21 RES,SMD,0603,REEL,20K,1/16W,5% R1,2,36,43,46,76,90	V 23-0202-86-21	ANY	7.000000	7.000	EA 1.0000	5/10/99	99/99/99					45	49		N	7/13/96		TWN CHI
...	4	330	24	P	23-0333-86-21 RES,SMD,0603,33K OHM,1/16W,5% R24,26,45,91	V 23-0203-86-21	ANY	4.000000	4.000	EA 1.0000	5/10/99	99/99/99					45	49		N	7/13/96		TWN KOR
...	4	340	25	P	23-0363-86-21 RES,SMD,0603,REEL,36K,1/16W,5% R21,34,37	V 23-0333-86-21	ANY	3.000000	3.000	EA 1.0000	5/10/99	99/99/99					45	49		N	7/13/96 7/09/96		TWN PHI
...	4	350	26	P	23-0393-86-21 RES,SMD,0603,REEL,39K,1/16W,5% R3,35,41,73	V 23-0363-86-21	ANY	4.000000	4.000	EA 1.0000	5/10/99	99/99/99					45	49		N	7/15/96		TWN KOR
...	4	359	27	P	23-0474-81-A4 RES,SMD,1206,RL,470K,1/8W,5% R72	V 23-0393-86-21	ANY	1.000000	1.000	EA 1.0000	7/08/99	99/99/99					60	64		N	7/15/96		TWN PHI
...	4	360	28	P	23-0474-86-21 RES,SMD,0603,RL,470K,1/16W,5% R32,89	V 23-0474-81-A4	ANY	2.000000	2.000	EA 1.0000	5/10/99	99/99/99					45	49		N	8/09/99		TWN KOR
...	4	365	29	P	23-0510-86-21 RES,SMD,0603,REEL,51,1/16W,5% R82	V 23-0474-86-21	ANY	1.000000	1.000	EA 1.0000	7/08/99	99/99/99					45	49		N	7/15/96		TWN KOR
...	4	366	30	P	23-0512-81-A4 RES,SMD,1206,RL,5K1,1/8W,5% R75	V 23-0510-86-21	ANY	1.000000	1.000	EA 1.0000	7/08/99	99/99/99					60	64		N	7/15/96		TWN PHI
...	4	370	31	P	23-0623-86-21 RES,SMD,0603,RL,62K,1/16W,5% R39,40	V 23-0512-81-A4	ANY	2.000000	2.000	EA 1.0000	5/10/99	99/99/99					45	49		N	8/09/99		TWN KOR
...	4	380	32	P	23-0624-86-21 RES,SMD0603,REEL,620K,1/16W,5% R44	V 23-0623-86-21	ANY	1.000000	1.000	EA 1.0000	5/10/99	99/99/99					45	49		N	7/15/96		TWN KOR
...	4	390	33	P	23-0751-81-14 RES,SMD,1206,RL,750 OHMS,1/8W R4,86	V 23-0624-86-21	ANY	2.000000	2.000	EA 1.0000	5/10/99	99/99/99					45	49		N	7/15/96		TWN
...	4	400	34	P	23-1001-G0-21 RES,SMD,0603,RL,1K,1/16W,1% R70,81	V 23-0751-81-14	ANY	2.000000	2.000	EA 1.0000	5/10/99	99/99/99					60	64		N	11/13/96		TWN JPN
					V 23-1001-G0-21	ANY															2/03/98		

BOM MATERIAL LISTING LISTING INDENTED ALL COMPONENTS W/O SIGNED LINE W/O CUSTOMER P/N																								
From Class		To 99	From Item 80-4290-00-00		To 80-4290-00-00	Facility																		
Level	Bub No	Seq No	It Ty	Child Item	Description	Rv No	It Cl	Qty Reqd	Cum Qty	Scrap UM	Factor	Eff Date	Disc Date	Opr No	DYS OFS	Comp Code	C/B Cost %	Days Lead Time	Cum Lead Time	Fac Cd	Must Iss	Approval Date	Spec. Date	Country of Org.
...4	410	35	P	23-1821-G0-21	RES,SMD,0603,RL,1820,1/16W,1% R50,51,53	01 23		3.000000	3.000	EA	1.0000	5/10/99	99/99/99					60	64		N			TWN JPN
...4	412	36	P	23-2490-83-A4	RES,SMD,1206,RL,249R,1/8W,1% R5,10,52,54,55	01 23		5.000000	5.000	EA	1.0000	7/08/99	99/99/99					67	71		N	2/04/98		JPN
...4	415	37	P	23-4701-G0-21	RES,SMD,0603,RL,4.7K,1/16W,1% R77,83	01 23		2.000000	2.000	EA	1.0000	5/11/99	99/99/99					60	64		N	8/09/99		TWN JPN
...4	416	38	P	23-4992-G0-A2	RES,SMD,0603,RL,49K9,1/16W,1% R6,7,8,9,11,12,13,14,19,20,22,23	01 23		12.000000	12.000	EA	1.0000	7/08/99	99/99/99					60	64		N	9/02/97		TWN JPN
...4	420	39	P	23-6200-G0-21	RES,SMD,0603,RL,620,1/16W,1% R38	01 23		1.000000	1.000	EA	1.0000	5/10/99	99/99/99					60	64		N	8/09/99		TWN JPN
...4	425	40	P	23-8062-G0-A2	RES,SMD,0603,RL,80K6,1/16W,1% R15,16,17,18,59,60,47	01 23		7.000000	7.000	EA	1.0000	7/08/99	99/99/99					60	64		N	10/31/96		TWN JPN
...4	430	41	P	23-9101-G0-A2	RES,SMD,0603,RL,9.1K,1/16W,1% R30,58	01 23		2.000000	2.000	EA	1.0000	5/10/99	99/99/99					60	64		N	8/09/99		TWN JPN
...4	438	45	P	27-3483-03-00	IC,COVNTER U5	01 27		1.000000	1.000	EA	1.0000	7/19/99	99/99/99					105	109		N	1/13/99		USA
...4	440	42	P	27-4066-03-08	IC,ANALOG SW,CD4066BC,SO14 U4	01 27		1.000000	1.000	EA	1.0000	7/08/99	99/99/99					60	64		N	8/09/99		MAL
...4	450	43	P	27-5211-00-01	IC,QUAD OP AMP,CHIP,MC34074D U2,3	01 27		2.000000	2.000	EA	1.0000	5/10/99	99/99/99					90	94		N	8/09/99		
...4	460	44	P	27-66D0-00-K3	IC,MAN,PLCC,CIS1000,PABX U1	01 27		1.000000	1.000	EA	1.0000	7/08/99	99/99/99					90	94		N			
...4	580	47	P	35-4541-01-00	PCB,VT3921,ADAPTOR BOARD,R.0 LIBRA	01 35		1.000000	1.000	EA	1.0000	8/05/99	99/99/99					35	39		N	7/25/97		
.2	110	2	M	52-4291-00-00	CASING ASSY,VT3921(ADPT)	01 52		1.000000	1.000	EA	1.0000	5/25/99	99/99/99					1	3		N			
..3	60	4	P	10-0245-00-01	PL-S,STL,D3X10 PH(+),ZN-CR PLT TOYO	00 10		4.000000	4.000	EA	1.0000	7/24/99	99/99/99					30	33		N	11/10/94		CHI
..3	300	3	P	30-5725-00-00	LIGHT GUIDE BOX PABX-BOX R.0,0 ABC	01 30		1.000000	1.000	EA	1.0000	7/24/99	99/99/99					45	48		N	6/12/96		
..3	310	1	P	30-5736-10-00	BOX-TOP PABX-BOX BLK R.0,0 ABC	01 30		1.000000	1.000	EA	1.0000	7/24/99	99/99/99					45	48		N	3/12/96		
..3	320	2	P	30-5737-00-10	BOX-BTM PABX-BOX BLK R.0,0 ABC	01 30		1.000000	1.000	EA	1.0000	7/24/99	99/99/99					45	48		N			
..3	440	5	P	39-3336-00-10	RUBBER FT,SONY935,BLK,R.0 PO SANG	01 39		2.000000	2.000	EA	1.0000	7/24/99	99/99/99					35	38		N	3/17/99		HKG
				V 39-3336-00-10	HON MING																			

>> End of BOM Report <<

