

CIRCUIT INTEGRATED																				REF DESIG										
REF DESIG	IC1	IC2	IC3	IC4	IC5	IC6	IC7	IC8												CNT LOC	ORIG CODE									
CNT LOC	LM32315_TSSOP	MSA-1105	VNA-25_SOIC	INA-10386	LT1097_SOIC	LM317L_SOIC	MCT8105ABT_SMT0229	MSA-0786																						
ORIG CODE	LM32315_TSSOP	MSA-1105	VNA-25_SOIC	INA-10386	LT1097_SOIC	LM317L_SOIC	MCT8105ABT_SMT0229	MSA-0786																						
ELEM ID	DESIG	LOC	DESIG	LOC	DESIG	LOC	DESIG	LOC	DESIG	LOC	DESIG	LOC	DESIG	LOC	DESIG	LOC	DESIG	LOC	DESIG	LOC	ELEM ID									
A		1F5		2E5		3B5		2E7		4F2		4E5		1B2		1D2														A

**RESISTOR**

DESIG	SHTLOC	CNT LOC	CODE
R1	1D6		WP-92864L1.2.49K
R2	1D6		WP-92864L1.10
R4	1F7		WP-92864L1.155K
R5	4F1		WP-92864L1.5.11K
R6	2D4		WP-92864L1.100
R7	2C3		WP-92864L1.71.5
R8	2D5		WP-92864L1.95.3
R9	2D6		WP-92864L1.95.3
R10	2C7		WP-92864L1.16.5
R11	2C3		WP-92864L1.16.5
R13	2B3		WP-92864L1.51.1K
R14	2A5		WP-92864L1.100
R15	2E2		WP-92864L1.17.4
R16	2F2		WP-92864L1.287
R17	2F2		WP-92864L1.287
R18	2G4		RK73H3A1910F.191
R19	2G5		MCR100ZHUW21E.220
R20	3B1		WP-92864L1.37.4
R21	3B1		WP-92864L1.150
R22	3B1		WP-92864L1.150

**POTENTIOMETER**

DESIG	SHTLOC	CNT LOC	CODE
R3	4F1		3224W-1-503E.50K
R12	2C5		3224W-1-201E.200
R37	3B4		3224W-1-503E.50K
R44	4D2		3224W-1-202E.2K

**INDUCTOR**

DESIG	SHTLOC	CNT LOC	CODE
L1	1C3		1008CS-561-XCB.0.56UH
L2	1C1		0603CS-330XCB.33NH
L3	1E4		1008CS-150XGBC.0.015
L4	2B4		0603CS-R10XGBC.0.1
L5	2C0		1008CS-101XKBC.0.1
L6	2F5		1008CS-101XKBC.0.1
L7	2F6		1008CS-101XKBC.0.1
L8	4A5		1008CS-331-XJB.0.33
L9	1C2		1008CS-222-XJB.2.2
L11	1A1		1008CS-561-XCB.0.56UH
L12	2A3		0603CS-R10XGBC.0.1
L13	3D7		0603CS-R10XGBC.0.1
L14	2C3		0603CS-R10XGBC.0.1

**TRANSISTOR**

DESIG	SHTLOC	CNT LOC	CODE
Q2	2C3		NE68839
Q3	3G6		ATF-10736

**RESONATOR**

DESIG	SHTLOC	CNT LOC	CODE
Y1	2D2		SR8800SPQ1450BY

**RESISTOR**

DESIG	SHTLOC	CNT LOC	CODE
R23	4C1		WP-92864L1.162
R24	4F1		WP-92864L1.340K
R25	4B3		WP-92864L1.50.1
R26	3C4		WP-92864L1.49.9
R27	4C5		WP-92864L1.14K
R28	3D4		WP-90102L1A.12.1
R29	4C6		WP-92864L1.14K
R30	4C7		WP-92864L1.154K
R31	4A4		WP-92864L3.00
R32	3F6		WP-92864L1.1.96K
R33	4E1		WP-92864L1.51.1K
R34	4D5		WP-91190L1A.1.96K
R35	4D5		WP-91190L1A.249
R36	4F3		WP-92864L1.5.69K
R38	1D4		WP-92864L1.49.9
R39	3E5		WP-92864L1.2.21K
R40	3E5		WP-92864L1.5.69K
R41	4D1		WP-92864L1.49.9
R42	1B2		WP-92864L1.24.9
R43	4C4		WP-92864L1.1.34K

**RESISTOR**

DESIG	SHTLOC	CNT LOC	CODE
R45	4C3		WP-92864L1.178
R46	4C3		WP-92864L1.178

**DIODE**

DESIG	SHTLOC	CNT LOC	CODE
CR1	2D1		KV1965A-23-0
CR2	4B4		H5MP-3804
CR3	4B7		H5MP-3804
CR4	4D2		5MS1535-00

**MIXER**

DESIG	SHTLOC	CNT LOC	CODE
M1	3B2		MGR1130

SECOND SOURCE UNIT LRMS-25MM2

**CONNECTOR**

DESIG	SHTLOC	CNT LOC	CODE
J3	3G8		82MCK-50-0-2111
P1			747150-2

**COUPLER, DIRECTIONAL**

DESIG	SHTLOC	CNT LOC	CODE
DC1	4C1		LRDC-10-2P-1

**ATTENUATOR**

DESIG	SHTLOC	CNT LOC	CODE
AT2	3G0		TVAD500N06W35

AT&T - PROPRIETARY			
Use pursuant to Company Instructions			
BCT6 CIRCUIT PACK		AUGUST 4, 1998	
		DWG SIZE	ISSUE
		6S	3
AT&T	CPSM-BCT6		SHEET C1

0 1 2 3 4 5 6 7 8 9

CAPACITOR

DESIG	SHTLOC	CPNT LOC	CODE
C1	4E1		06035C102JATRA.1000PF
C2	107		WP-90678L106B.1.0
C3	10D		06035C102JATRA.1000PF
C4	1D1		WP-90066L70.12PF
C5	1D1		WP-90066L70.12PF
C6	106		06035C101JATRA.1000PF
C7	106		WP-90007L49.0.1
C8	107		WP-90007L13.0.022
C9	1B3		WP-90007L49.0.1
C10	1D8		06033A331JATRA.3500PF
C11	1F8		WP-90678L106B.1.0
C12	1B0		06035J8R2CBT.8.2PF
C13	1B1		06035C101JATRA.1000PF
C14	1E4		06031A6R3CATRA.6.3PF
C15	2C4		080511R2BAW.1.2PF
C16	2D4		080511R2BAW.2.2PF
C17	2C3		WP-90066L70.22PF
C18	2D7		080511R2BAW.1.2PF
C19	2D6		080511R2BAW.1.2PF
C20	2C7		080511R2BAW.1.5PF

CAPACITOR

DESIG	SHTLOC	CPNT LOC	CODE
C62	4G4		WP-90007L49.0.1
C63	1B4		WP-90678L106B.1.0
C64	1B1		WP-90007L49.0.1
C65	1B2		WP-90678L112B.1.0
C66	4E3		WP-90678L106B.1.0
C67	4E3		WP-90007L49.0.1
C68	1D3		WP-90066L70.220PF
C69	1D3		WP-90066L70.220PF
C70	3F6		060351003A.W.10PF
C72	3E3		06035C103JATRA.0.01
C73	3F3		06035C101JATRA.1000PF
C74	3E8		06035J8R2CBT.8.2PF
C75	1C4		06035C102JATRA.1000PF
C76	4B1		06035C102JATRA.1000PF
C77	4D1		06035C101JATRA.1000PF
C78	1C1		06035C102JATRA.1000PF
C79	3E8		06035C102JATRA.1000PF
C80	4B0		06035J8R2CBT.8.2PF
C81	4E0		06035C101JATRA.1000PF
C82	107		06035C101JATRA.1000PF

CAPACITOR

DESIG	SHTLOC	CPNT LOC	CODE
C21	2D8		06035C101JATRA.1000PF
C22	2C3		080511R2BAW.1.5PF
C23	2B1		WP-90078L112B.1.0
C24	2B3		06035C102JATRA.1000PF
C25	2B1		06035C101JATRA.1000PF
C26	2C1		080511R2BAW.3.9PF
C27	2F3		080511R2BAW.1.2PF
C28	2F3		080511R2BAW.1.2PF
C29	2E3		080511R2BAW.1.2PF
C30	2E4		06035C101JATRA.1000PF
C31	2F3		06035C102JATRA.1000PF
C32	2C2		06035C101JATRA.1000PF
C33	2C3		06035C102JATRA.1000PF
C34	2C3		06035C101JATRA.1000PF
C35	2F7		06035C102JATRA.1000PF
C36	207		06035C101JATRA.1000PF
C37	2E6		06035C101JATRA.1000PF
C38	3C6		06035C101JATRA.1000PF
C39	3C7		06035J8R2CBT.8.2PF
C40	3C7		06035C103JATRA.0.01

CAPACITOR

DESIG	SHTLOC	CPNT LOC	CODE
C83	3E4		06035C101JATRA.1000PF

CAPACITOR

DESIG	SHTLOC	CPNT LOC	CODE
C41	108		06035J8R2CBT.8.2PF
C42	2B2		06035J8R2CBT.8.2PF
C43	2C2		06035J8R2CBT.8.2PF
C44	3F4		06035C101JATRA.1000PF
C45	3B0		06035C102JATRA.1000PF
C46	3B4		080511R2BAW.2.2PF
C47	3E5		080511R2BAW.3.6PF
C48	3B7		06035C101JATRA.1000PF
C49	3B3		080511R2BAW.4.7PF
C50	3E7		06035C101JATRA.1000PF
C51	4B4		06035C102JATRA.1000PF
C52	4C5		06035C102JATRA.1000PF
C53	4C6		06035C102JATRA.1000PF
C54	4A5		06035C102JATRA.1000PF
C55	3E5		06035C102JATRA.1000PF
C57	3E7		06035C101JATRA.1000PF
C58	4E7		06035C102JATRA.1000PF
C59	4E7		WP-90678L106B.1.0
C60	4E5		WP-90678L106B.1.0
C61	4G3		WP-90678L106B.1.0

AT&T - PROPRIETARY Use pursuant to Company Instructions		
BCT6 CIRCUIT PACK	AUGUST 4, 1998	
	DWG SIZE 6S	ISSUE 3
AT&T	CPSM-BCT6	
		SHEET C2

0 1 2 3 4 5 6 7 8 9

CIRCUIT NOTES

101. UNLESS OTHERWISE SPECIFIED  
RESISTANCE VALUES ARE IN OHMS  
CAPACITANCE VALUES ARE IN MICROFARADS  
INDUCTOR VALUES ARE IN MICROHENRIES  
VALUES PRECEDED BY THE SYMBOL + (PLUS)  
OR - (MINUS) ARE IN VOLTS  
102. GENERIC (DESIGN CODES) ARE SHOWN ON IC LOGIC SYMBOLS.  
COMPONENT TABLES AND STOCKLIST FOR INFORMATION ONLY.  
SEE DESIGN STOCKLIST (DSL) FOR LISTING OF FULL VENDOR  
PART NUMBERS (MANUFACTURING CODES) AND ACCEPTABLE  
SUBSTITUTIONS.

103. VOLTAGE AND GROUND PIN TERMINATIONS

POWER AND GROUND						
FRAME	GENERIC CODE (AND TYPE IF NOT IC)	MFR CODE (AND TYPE IF NOT IC)	-5V TERM	GRD TERM	+15V TERM	+5V TERM
AT2	TVAG00006W3S (ATTEN)	TVAG00006W3S (ATTEN)		GRD		
DC1	LRDC-10-2P-1 (DC)	LRDC-10-2P-1 (DC)		2.5		4.5
IC1	LMX2315_TSSOP	LMX2315_TSSOP		7		
IC2	MSA-1105	MSA-1105		2.4		
IC3	VNA-25_SOIC	VNA-25_SOIC		2.4, 5, 7, 8		
IC4	INA-10386	INA-10386		2.4		
IC5	LT1097_SOIC	LT1097_SOIC	4		7	
IC7	MC7805ABT_SMT0220	MC7805ABT_SMT0220		0		
IC8	MSA-0786	MSA-0786		2.4		
MI	MCR1130 (4XD)	MCR1130 (4XD)		2.3, 6		
Y1	SR8805PQ1450B Y (RSNTR)	SR8805PQ1450B Y (RSNTR)		01.02		

SECOND SOURCE → LAMS-25MM-2 UNIT

STOCKLIST FOR BCT5						
GENERIC CODE	MFR CODE	QTY	VALUE	TYPE	DESIGNATION	
MC7805ABT_SMT0220	MC7805ABT_SMT0220	1		IC	IC7	
MCR10022UW221E	MCR10022UW221E	1	220	RES	R19	
MSA-0786	MSA-0786	1		IC	IC8	
MSA-1105	MSA-1105	1		IC	IC2	
MCR1130	MCR1130	1		MX	MI	
SR8805PQ1450B Y	SR8805PQ1450B Y	1		ATTN	AT2	
TVAG00006W3S	TVAG00006W3S	1		RES	R21	
VNA-25_SOIC	VNA-25_SOIC	1		IC	IC3	
WP-9000L70	WP-9000L70	2	12PF	CAP	C4,C5	
WP-9000L70	WP-9000L70	2	220PF	CAP	C68,C69	
WP-9000L70	WP-9000L70	1	22PF	CAP	C17	
WP-9000L70	WP-9000L70	1	0.022	CAP	C8	
WP-9000L70	WP-9000L70	5	0.1	CAP	C7,C9,C63,C64,C67	
WP-90102L1A	WP-90102L1A	1	12.1	RES	R28	
WP-90678L105B	WP-90678L105B	6	1.0	CAP	C11,C59-C61,C63,C66	
WP-90678L112B	WP-90678L112B	3	10	CAP	C2,C23,C65	
WP-91190L1A	WP-91190L1A	1	1.96K	RES	R34	
WP-91190L1A	WP-91190L1A	1	249	RES	R35	
WP-9286-4L1	WP-9286-4L1	2	1.54K	RES	R30,R43	
WP-9286-4L1	WP-9286-4L1	1	1.96K	RES	R32	
WP-9286-4L1	WP-9286-4L1	1	10	RES	R2	
WP-9286-4L1	WP-9286-4L1	2	100	RES	R5,R14	
WP-9286-4L1	WP-9286-4L1	2	14K	RES	R27,R29	
WP-9286-4L1	WP-9286-4L1	2	150	RES	R21,R22	
WP-9286-4L1	WP-9286-4L1	1	158K	RES	R4	
WP-9286-4L1	WP-9286-4L1	2	16.5	RES	R10,R11	
WP-9286-4L1	WP-9286-4L1	1	162	RES	R23	
WP-9286-4L1	WP-9286-4L1	1	17.4	RES	R15	
WP-9286-4L1	WP-9286-4L1	2	178	RES	R45,R46	
WP-9286-4L1	WP-9286-4L1	1	2.21K	RES	R39	
WP-9286-4L1	WP-9286-4L1	1	2.49K	RES	R1	
WP-9286-4L1	WP-9286-4L1	1	24.9	RES	R42	
WP-9286-4L1	WP-9286-4L1	2	287	RES	R16,R17	
WP-9286-4L1	WP-9286-4L1	1	30.1	RES	R25	
WP-9286-4L1	WP-9286-4L1	1	340K	RES	R24	
WP-9286-4L1	WP-9286-4L1	1	37.4	RES	R20	
WP-9286-4L1	WP-9286-4L1	3	49.9	RES	R26,R38,R41	

STOCKLIST FOR BCT5						
GENERIC CODE	MFR CODE	QTY	VALUE	TYPE	DESIGNATION	
06031A8BCATRA	06031A8BCATRA	1	6.8PF	CAP	C14	
0603A33JATRA	0603A33JATRA	1	330PF	CAP	C10	
0603C10JATRA	0603C10JATRA	19	100PF	CAP	C6,C13,C21,C35,C39,C37,C4,C36-C38,C44,C48,C50,C57,C73,C77,C81-C83	
"	"	"	"	"	"	
"	"	"	"	"	"	
0603C102JATRA	0603C102JATRA	17	1000PF	CAP	C1,C3,C24,C31,C33,C35,C45,C51-C53,C58,C75,C76,C78,C79,C40,C72	
"	"	"	"	"	"	
0603C103JATRA	0603C103JATRA	2	0.01	CAP	C70	
"	"	"	"	"	"	
0603J100DAW	0603J100DAW	1	10PF	CAP	C70	
0603J8R3CBT	0603J8R3CBT	7	8.2PF	CAP	C12,C39,C41-C43,C74,C80	
"	"	"	"	"	"	
0603CS-R10XGBC	0603CS-R10XGBC	4	0.1	INDR	L4,L12-L14	
0603J1R0BAW	0603J1R0BAW	1	1.0PF	CAP	C15	
0603J1R2BAW	0603J1R2BAW	4	1.2PF	CAP	C18,C19,C27,C28	
0603J1R5BAW	0603J1R5BAW	3	1.5PF	CAP	C20,C22,C29	
0603J1R2BAW	0603J1R2BAW	2	2.2PF	CAP	C16,C46	
0603J1R5BAW	0603J1R5BAW	1	3.9PF	CAP	C26	
0603J1R7BAW	0603J1R7BAW	1	4.7PF	CAP	C49	
0603J1R6BAW	0603J1R6BAW	1	5.6PF	CAP	C47	
0603CS-330XKB	0603CS-330XKB	1	33NH	INDR	L2	
1008CS-101XKBC	1008CS-101XKBC	3	0.1	INDR	L5-L7	
1008CS-150XABC	1008CS-150XABC	1	0.015	INDR	L3	
1008CS-222-XCB	1008CS-222-XCB	1	2.2	INDR	L9	
1008CS-331-XCB	1008CS-331-XCB	1	0.33	INDR	L8	
1008CS-561-XCB	1008CS-561-XCB	2	0.56UH	INDR	L11,L11	
3224W-1-201E	3224W-1-201E	1	200	POT	R12	
3224W-1-202E	3224W-1-202E	1	2K	POT	R44	
3224W-1-503E	3224W-1-503E	2	50K	POT	R3,R37	
747150-2	747150-2	1		CONN	J1	
82M CX-50-0-2/11	82M CX-50-0-2/11	1		CONN	F3	
ATF-10756	ATF-10756	1		TRSTR	Q8	
HSMP-3504	HSMP-3504	2		DIO	CR2,CR3	
INA-10386	INA-10386	1		IC	IC4	
KV1965A-23-0	KV1965A-23-0	1		DIO	CR1	
LM317L_SOIC	LM317L_SOIC	1		IC	IC6	
LMX2315_TSSOP	LMX2315_TSSOP	1		IC	IC1	
LRDC-10-2P-1	LRDC-10-2P-1	1		IC	DC	
LT1097_SOIC	LT1097_SOIC	1		IC	IC5	

STOCKLIST FOR BCT5						
GENERIC CODE	MFR CODE	QTY	VALUE	TYPE	DESIGNATION	
WP-9286-4L1	WP-9286-4L1	1	5.11K	RES	R5	
WP-9286-4L1	WP-9286-4L1	1	5.62K	RES	R40	
WP-9286-4L1	WP-9286-4L1	2	5.11K	RES	R13,R33	
WP-9286-4L1	WP-9286-4L1	1	71.5	RES	R7	
WP-9286-4L1	WP-9286-4L1	1	9.09K	RES	R36	
WP-9286-4L1	WP-9286-4L1	2	95.3	RES	R2,R9	
WP-9286-4L1	WP-9286-4L1	1	00	RES	R31	

AT&T - PROPRIETARY  
Use pursuant to Company Instructions

BCT6 CIRCUIT PACK

AT&T

AUGUST 4, 1998

DWG SIZE: 6S

ISSUE: 3

CPSM-BCT6

SHEET: D1

PRINTED IN U.S.A.

1. CDP NUMBER OF THIS DRAWING IS CDP.BCT6.14.
2. PWB ASSEMBLY X-20062 CLASS II.
3. SPINES, BULGES, DROPLETS OF SOLDER ON THE NON-COMPONENT SIDE SHALL NOT EXCEED .100 INCH.
4. PERIPHERAL GRID SPACING REPRESENTS .100 INCH.
5. INTEGRATED CIRCUIT TERMINAL 1 ORIENTATION IS INDICATED BY A DOT OR NUMBER 1 SHOWN ADJACENT TO EACH MOUNTING HOLE PATTERN.
6. UNLESS OTHERWISE SPECIFIED ALL REFERENCE DESIGNATIONS, TERMINAL NUMBERS, ETC., ARE FOR IDENTIFICATION PURPOSES ONLY AND NEED NOT BE STAMPED ON THE BOARD.
7. UNLESS OTHERWISE SPECIFIED TOLERANCE FOR THREE PLACE DECIMALS IS + OR - .010.

ISSUE NOTES			
07/26/97			
D.HERNANDEZ	ML	DES	ISSUE: 1
ISSUE NOTES			
08/12/97			
ADZ	GLB	DHY	ISSUE: 1
CO-BCT6-1-1/PACO			
ISSUE NOTES			
10/29/97			
D.HERNANDEZ	ML	DES	ISSUE: 2
INTRODUCED:ARTMASTER 2 PWB CONC CODE 848046488			
CO-BCT6-2-1/ME			
ISSUE NOTES			
06/03/98			
ADZ	GLB	DHY	ISSUE: 3
ADDED: IN STOCKLIST ALTERNATE (407908664) TO DIODE CR4. CHANGED: IN STOCKLIST INDUCTORS L4, L12, L13 & L14 FROM 0603HS-ALDUBJC (407766716) TO 0603CS-R10AGBC (407927730). REMOVED: NOTES 7 & 9. REMAINING NOTES RENUMBERED. CO-BCT6-2-3/MP			
ISSUE NOTES			
08/04/98			
ADZ	GLB	DHY	ISSUE: 4
CHANGED: IN STOCKLIST RESISTORS R25 FROM WP-92864L1 37.4 OHM (407423987) TO WP-92864L1 30.1 OHM (407290618); R45 & R46 FROM WP-92864L1 150.0 OHM (407424043) TO WP-92864L1 178.0 OHM (407290634). CO-BCT6-2-4/MP			
ISSUE NOTES			
09/22/99			
ADZ	KRF	DHY	ISSUE: 5
CHANGED: MANUFACTURING TEST REQUIREMENTS REFERENCE FROM MTR-BCT6-1 TO MTR-BC26-1.1. CO-BCT6-2-5/MP			
ISSUE NOTES			
04/20/00			
ADZ	KRF	V.E.FETTERMAN	ISSUE: 6
CHANGED: IN STOCKLIST C82 CAPACITOR FROM 0603SC101JATRA (407534338) 100 PF TO 0603SC102JATRA (407534312) 1000 PF. R5 RESISTOR FROM (407129566) 5.11K TO (407572817) 2.49K. CO-BCT6-2-6/MP			

A	B	C	D	E	F	G	H	J
PRODUCT CODE	AM ISS	CHG CL	SERIES NO	INTERCHANGE MARKING	PWB CONC CODE	QTY PACK CONC CODE	CLEI CODE	LABEL CONC CODE
BCT6	1	1			847988318	108000076		
BCT5	2	2			848046488	108000076		

LINE NO	TITLE	NUMBER
1	PWB ASSEMBLY	X-20062, CLASS II
2	SCHEMATIC	CPGM-BCT6-3
3	MANUFACTURING TEST REQUIREMENTS	MTR-BCT6-1.1
4	CIRCUIT DESCRIPTION	CD-BCT5-1.1
5	METHOD OF STAMPING ID	A-219172

DISTRIB CODE	
R001	
USED ON INFORMATION	
USED ON	DRAWING
AUTOPLEX TDM ASSEMBLY	APA-44WA20
BCT6	
CIRCUIT BOARD ASSEMBLY	
Lucent - PROPRIETARY	
USE PURSUANT TO COMPANY INSTRUCTIONS	
Lucent Technologies	CPA-BCT6
SHEET 8	DWG 6
1 OF 1	DWG C2