Access Phone

ADI Limited

FCC ID: N6FSRT7010
Model: SRT7010/Isonex3000

EXHIBIT 5

Schematics

DRAW. JMBER
ASH-CD-00913

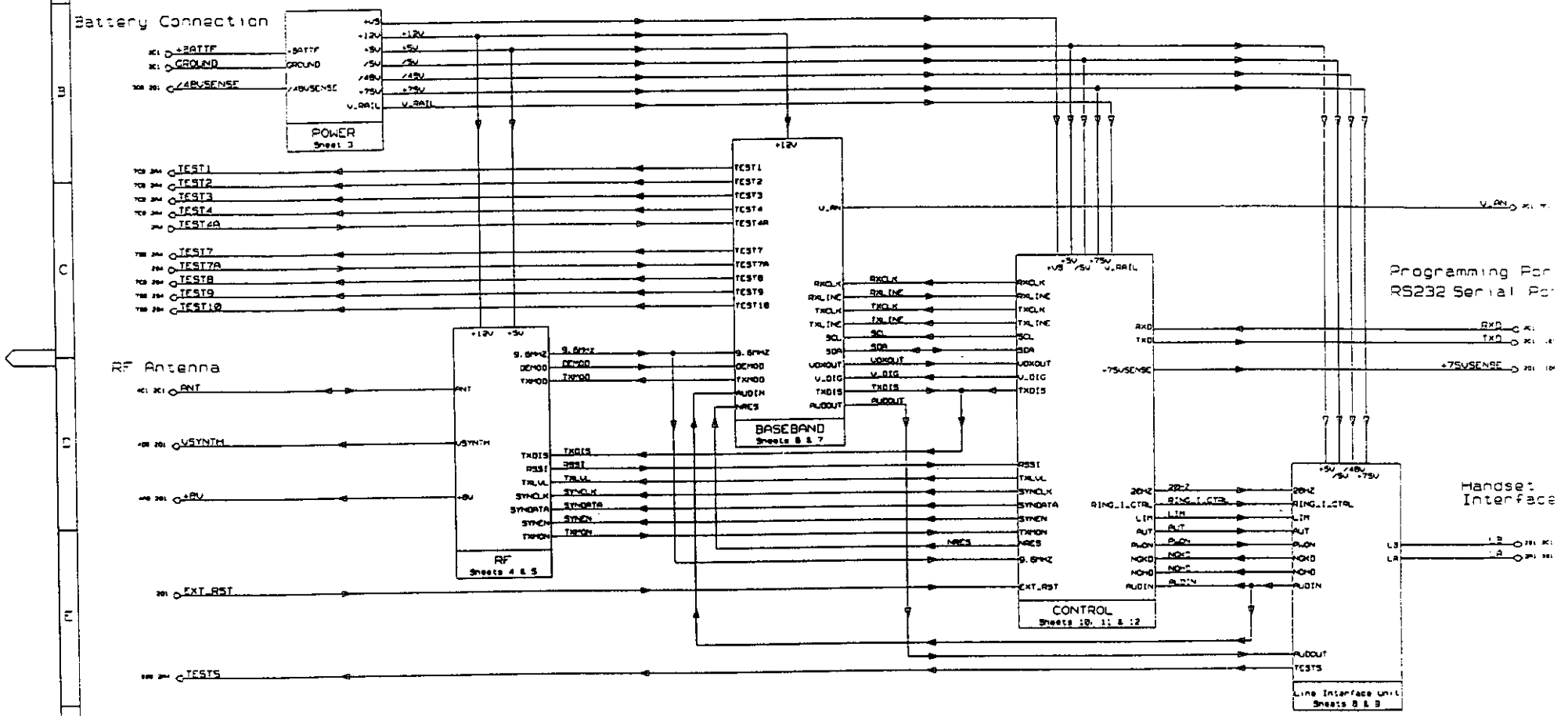
USED ON DRAWING
ASH-AS-02784

ISS	DATE	CHANGE	APPROVAL
2.20	12/12/97	See 2nd Mark Up	
2.21	18/02/97	See 2nd Mark Up	
1.20	20/02/98	See 2nd Mark Up	
1.01	15/07/98	See CN 7713	

TOP LEVEL SCHEMATIC - SYSTEM OVERVIEW

ISONEX - 3000

PCB DIRECTIVES USED:
ROOM



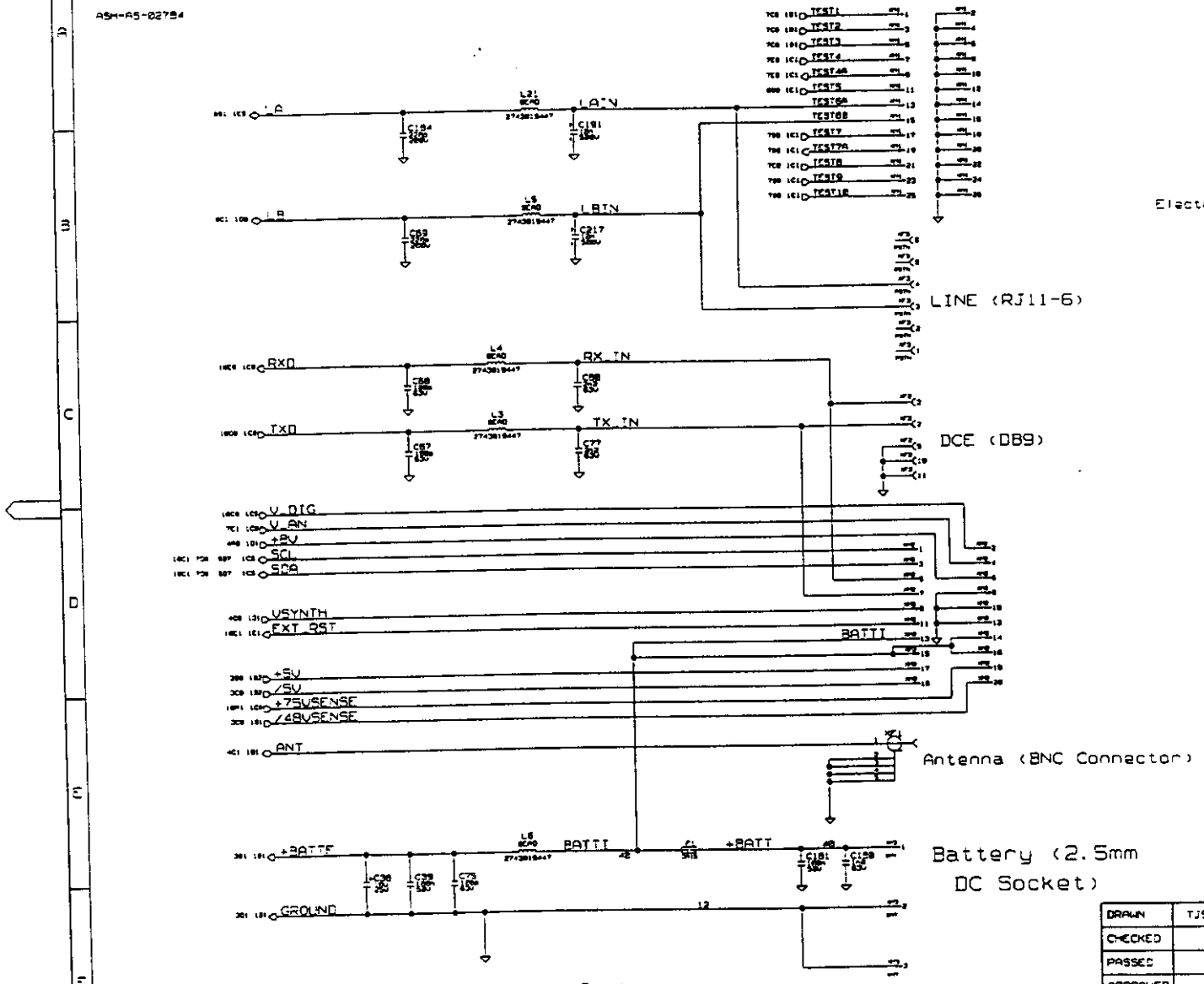
DRAWN	TJS, AK, RK	ADI LIMITED © A.C.N. 228 542 751 424 LANE COVE RD. NORTH RYDE
CHECKED		TITLE ISONEX-3000
PASSED		SUB TOP LEVEL SCHEMATIC
APPROVED		
SECURITY CLASSIFICATION UNCLASSIFIED		DOCM Z1599 / DRAWING NUMBER ASH-CD-00913
DRAWING PRACTICE AS 1122		SCALE NTS / SHEET 1 OF 14

DRAWING NUMBER
ASH-CD-00913

USED ON
ASH-AS-02784

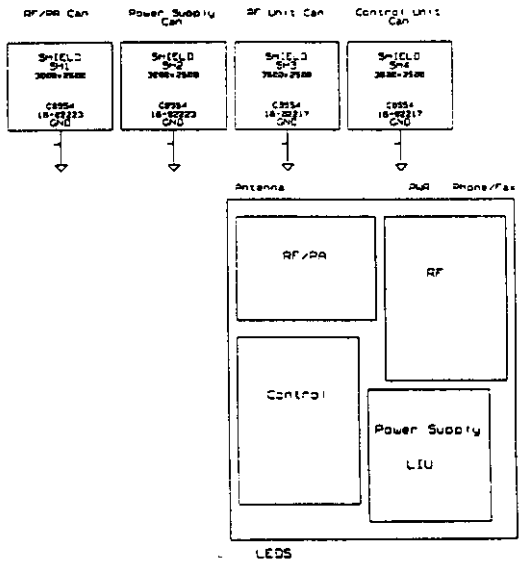
TOP LEVEL SCHEMATIC - EXTERNAL CONNECTIONS

ISS	DATE	CHANGE	APPROVAL
0.20	12/12/97	See Red Mark Up	
0.21	31/03/97	See Red Mark Up	
1.20	28/03/98	See Red Mark Up	
1.01	15/07/98	See CN 7713	



PCB DIRECTIVES USED:
DELAY_RULE (mm)
MINLINE_WIDTH

Electromagnetic Emission and Interference Shielding



Grounded Mounting Holes
(For future products)

Earth Connections

SLIC Heatsink Mounting Holes

Earth Connections

Earth/DGND/AGND/BGND grounds exist.

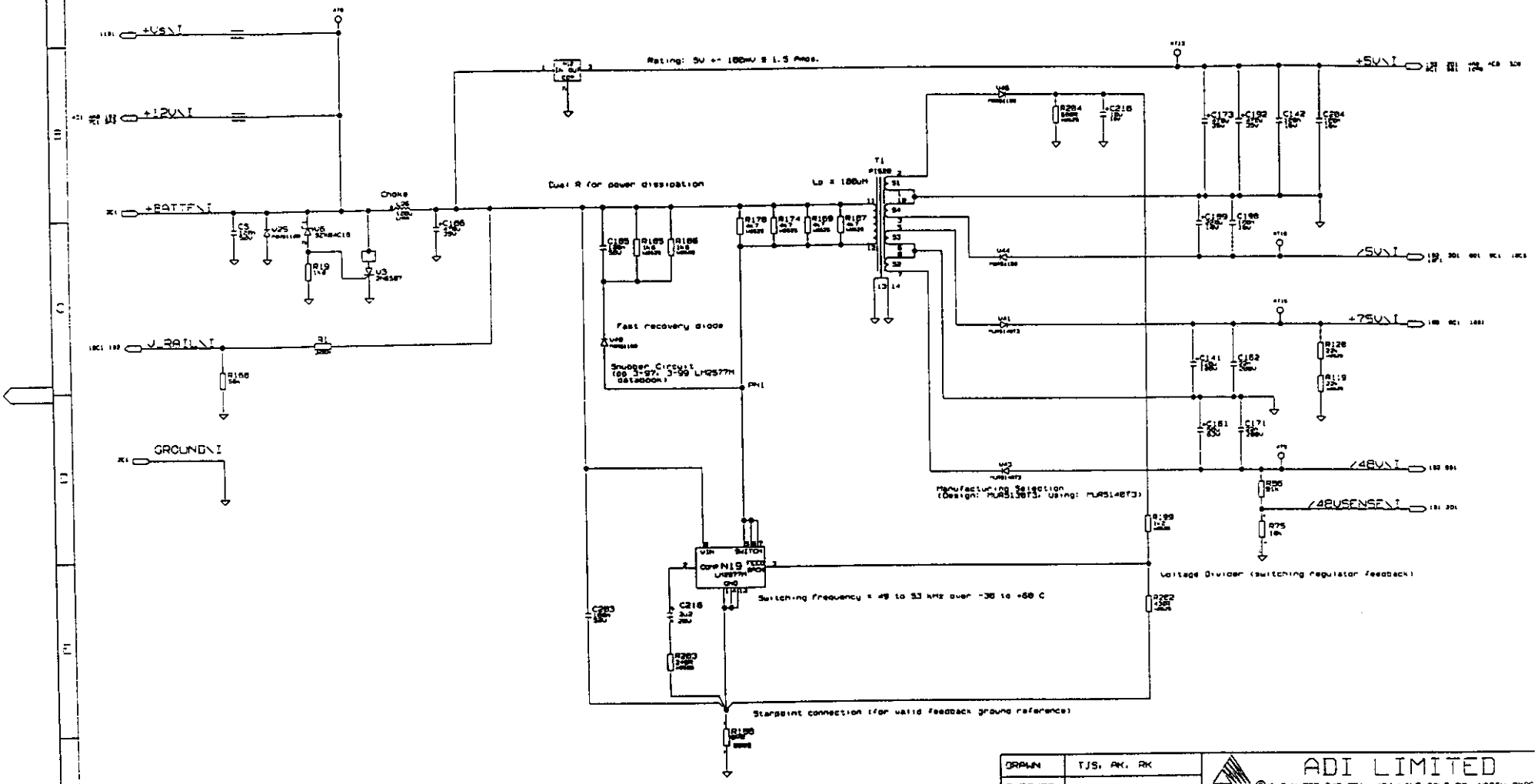
DRAWN	TJS, AK, RK	ADI LIMITED © A.C.N. 088 542 751 424 LANE COVE RD. NORTH RYDE
CHECKED		TITLE ISONEX-3000
PASSED		SUB TOP LEVEL SCHEMATIC
APPROVED		
SECURITY CLASSIFICATION UNCLASSIFIED		DCCM Z1599 / DRAWING NUMBER ASH-CD-00913
DRAWING PRACTICE AS 1:22		SCALE N/S / SHEET 2 OF 14

ISS	DATE	CHANGE	APPROVAL
2.20	12/12/97	See Rev Mark Up	
2.21	01/23/98	See Rev Mark Up	
1.28	05/23/98	See Rev Mark Up	
1.31	15/27/98	See CN 7713	

DRAWING NUMBER
ASH-CD-00913

USED ON
ASH-AS-02784

POWER CIRCUITS



PCB DIRECTIVES USED:

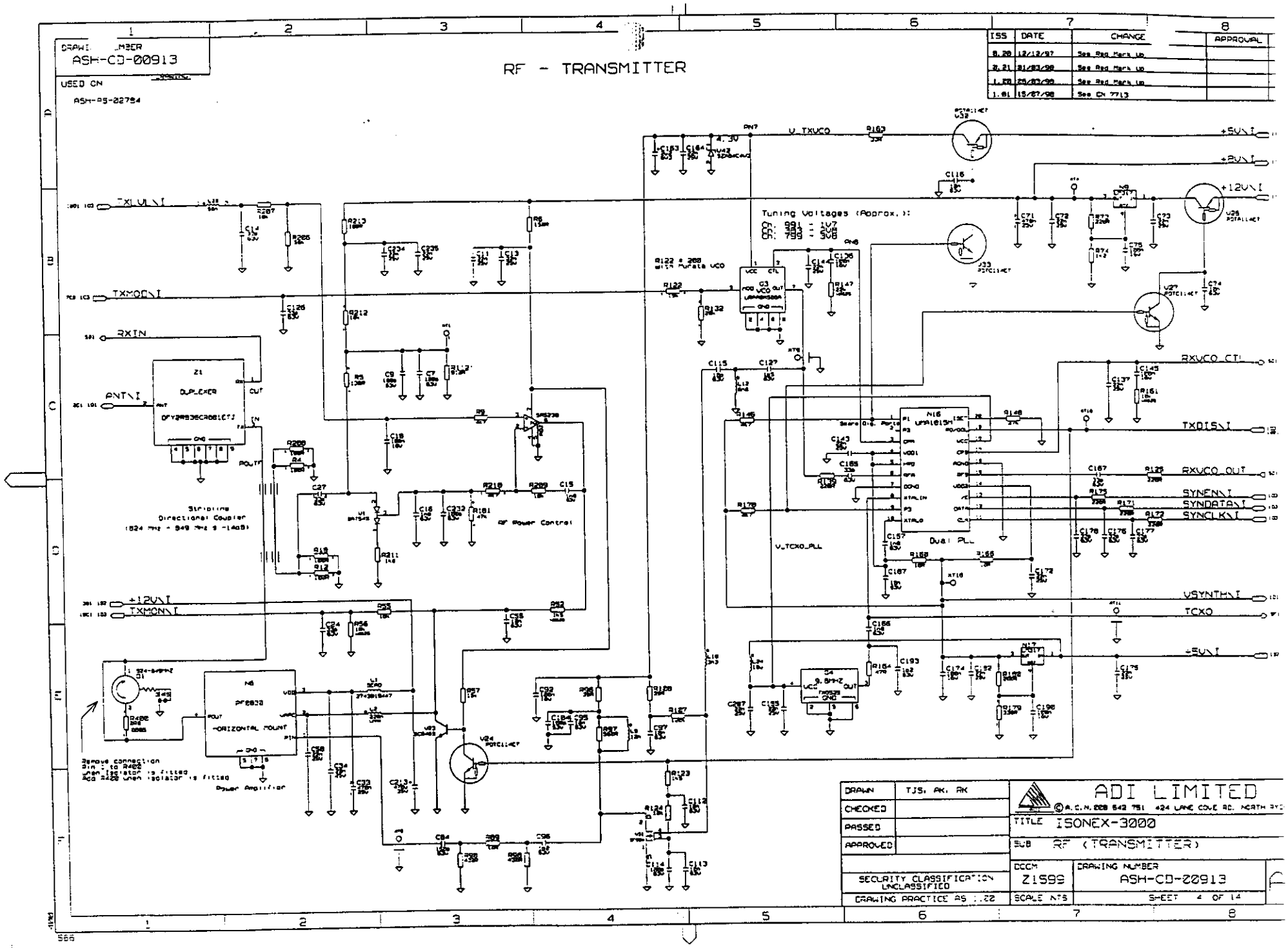
DRAWN	TJS, AK, RK	ADI LIMITED A.C.N. 008 642 751 424 LANE COVE RD. NORTH RYDE
CHECKED		TITLE ISONEX-3000
PASSED		SUB POWER SUPPLY
APPROVED		
SECURITY CLASSIFICATION UNCLASSIFIED		CCCH Z1599 / DRAWING NUMBER ASH-CD-00913
DRAWING PRACTICE AS 1:22		SCALE NTS / SHEET 3 OF 14

DRAWING NUMBER
ASH-CD-00913

USED ON
ASH-PS-22784

RF - TRANSMITTER

ISS	DATE	CHANGE	APPROVAL
0.20	12/12/97	See Red Mark Up	
0.21	31/03/98	See Red Mark Up	
1.00	25/03/98	See Red Mark Up	
1.01	15/07/98	See CN 7713	



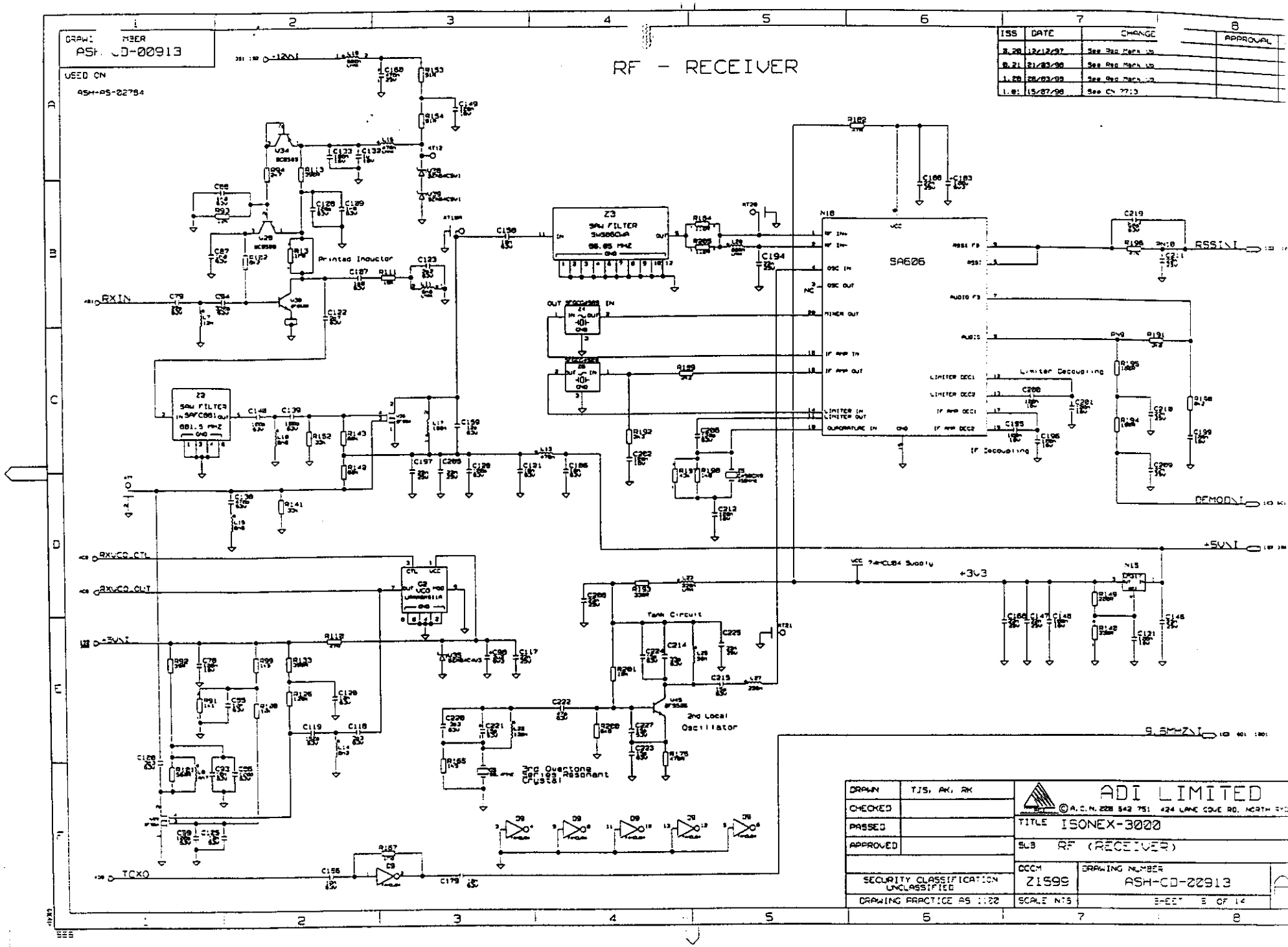
DRAWN	TJS, AK, AK	ADI LIMITED ©A.C.N. 008 642 751 424 LANE COVE RD. NORTH RYDE
CHECKED		TITLE ISONEX-3000
PASSED		SUB RF (TRANSMITTER)
APPROVED		DCCM Z1599 / DRAWING NUMBER ASH-CD-00913
SECURITY CLASSIFICATION UNCLASSIFIED		SCALE N/S / SHEET 4 OF 14
DRAWING PRACTICE AS 1.22		

DRAWING NUMBER
ASH-CD-00913

USED ON
ASH-AS-02784

RF - RECEIVER

ISS	DATE	CHANGE	APPROVAL
2.20	12/12/97	See Rev Mark up	
2.21	21/03/98	See Rev Mark up	
1.20	28/03/98	See Rev Mark up	
1.81	15/07/98	See CN 7713	



DRAWN	TJS, AK, RK	ADI LIMITED © A.C.N. 228 542 751 424 LANE COVE RD. NORTH RYDE
CHECKED		TITLE ISONEX-3000
PASSED		SUB RF (RECEIVER)
APPROVED		DCCM Z1599 / DRAWING NUMBER ASH-CD-00913
SECURITY CLASSIFICATION UNCLASSIFIED		SCALE NTS / SHEET 3 OF 14
DRAWING PRACTICE AS 1122		

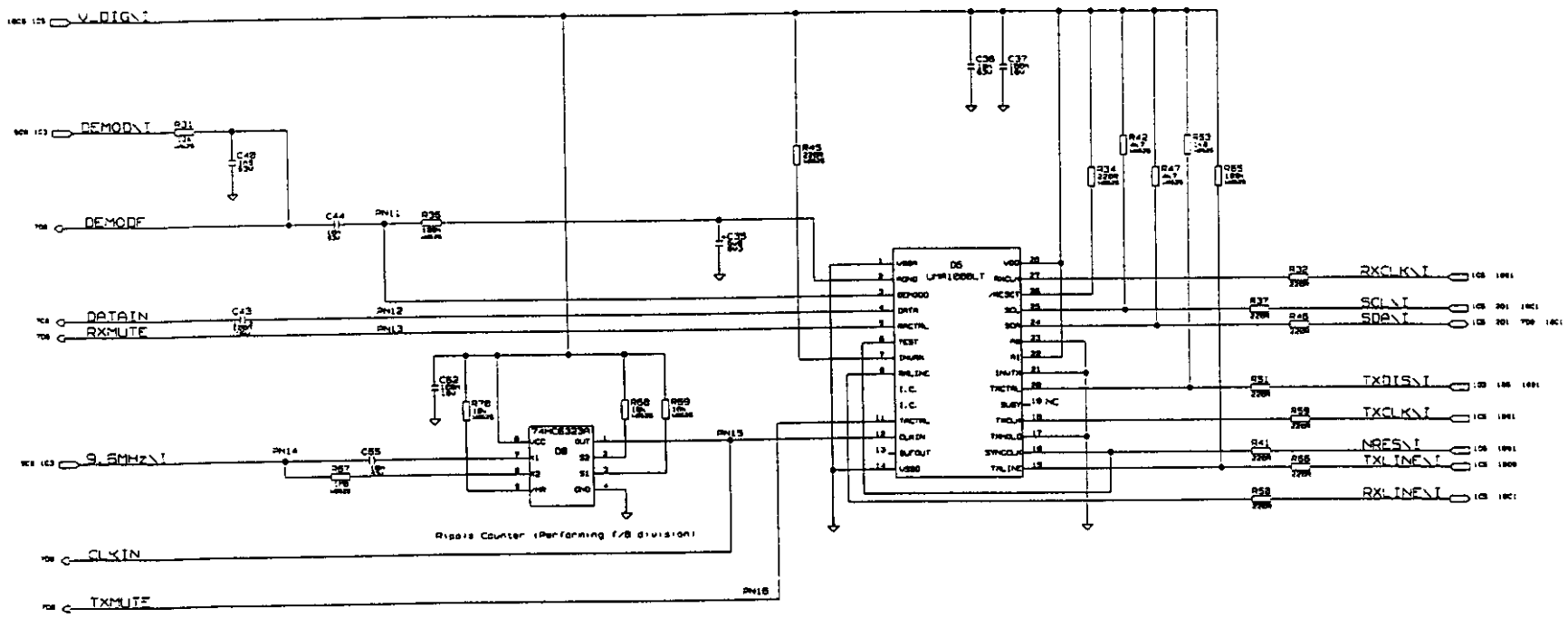
DRAWING NUMBER
ASH CD-00913

USED ON
ASH-AS-02754 DRAWING

ISS	DATE	CHANGE	APPROVAL
0.20	12/12/97	See Red Mark Up	
0.21	01/03/98	See Red Mark Up	
1.00	28/03/98	See Red Mark Up	
1.01	15/07/98	See CN 7713	

BASEBAND - DPROC

PCB DIRECTIVES USED:



DRAWN	TJS, AK, RK	ADI LIMITED © A.C.N. 008 642 751 424 LANE COVE RD. NORTH RYDE
CHECKED		TITLE ISONEX-3000
PASSED		SUB BASEBAND (DPROC)
APPROVED		DCCM Z1599 / DRAWING NUMBER ASH-CD-00913
SECURITY CLASSIFICATION UNCLASSIFIED		
DRAWING PRACTICE AS 1122	SCALE NTS	SHEET 5 OF 14

DRAWING NUMBER
ASH- 00913

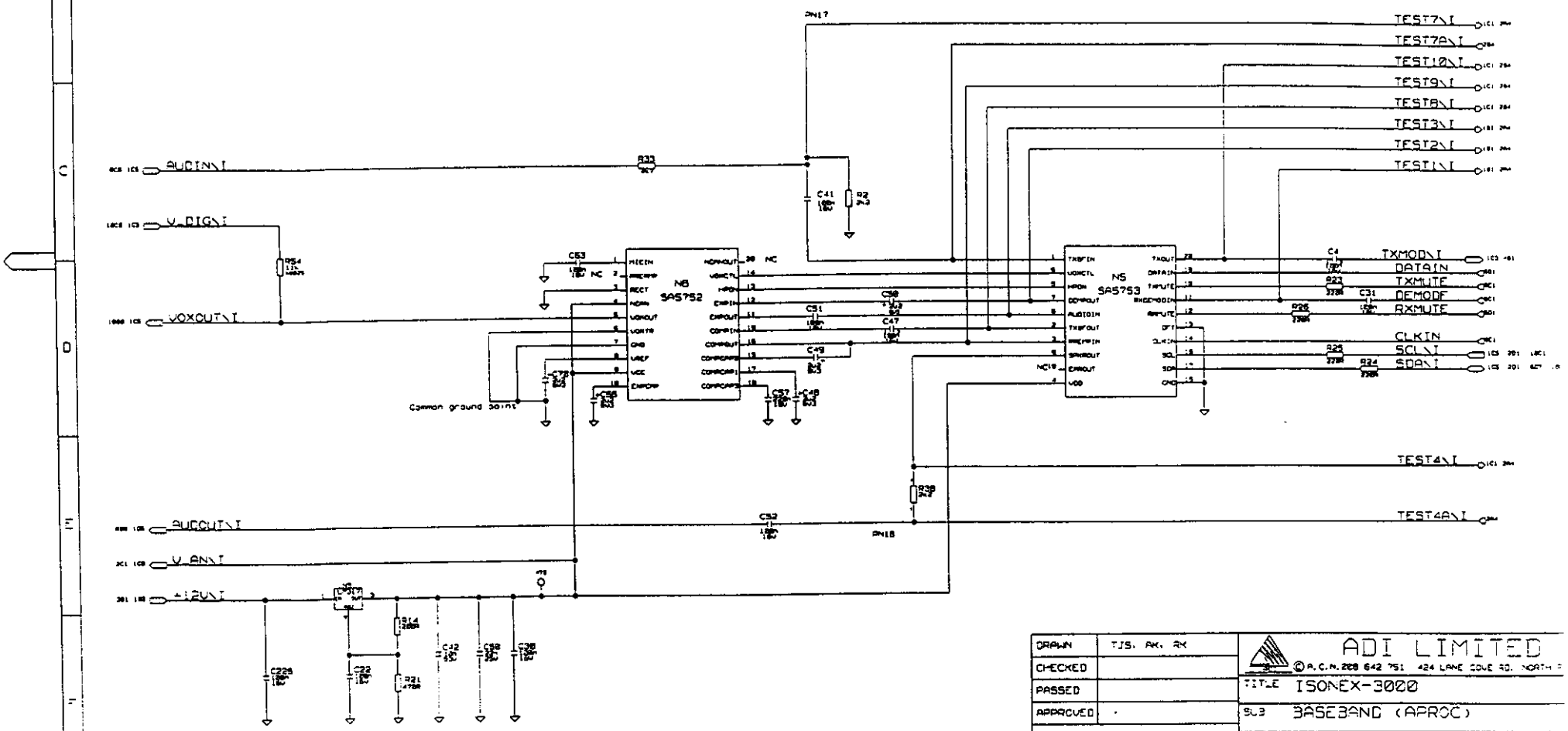
USED ON

ASH-AS-02784

BASEBAND - APROC

ISS	DATE	CHANGE	APPROVAL
0.20	12/12/97	See Red Mark Up	
0.21	01/03/98	See Red Mark Up	
1.00	05/03/98	See Red Mark Up	
1.01	15/07/98	See CN 7713	

PCB DIRECTIVES USED:



DRAWN	TJS, AK, RK	ADI LIMITED © A.C.N. 008 642 751 424 LANE COVE RD. NORTH
CHECKED		TITLE ISONEX-3000
PASSED		SUB BASEBAND (APROC)
APPROVED		
SECURITY CLASSIFICATION UNCLASSIFIED		DCCM Z1599 / DRAWING NUMBER ASH-CD-00913
DRAWING PRACTICE AS 1102		SCALE NTS / SHEET 7 OF 14

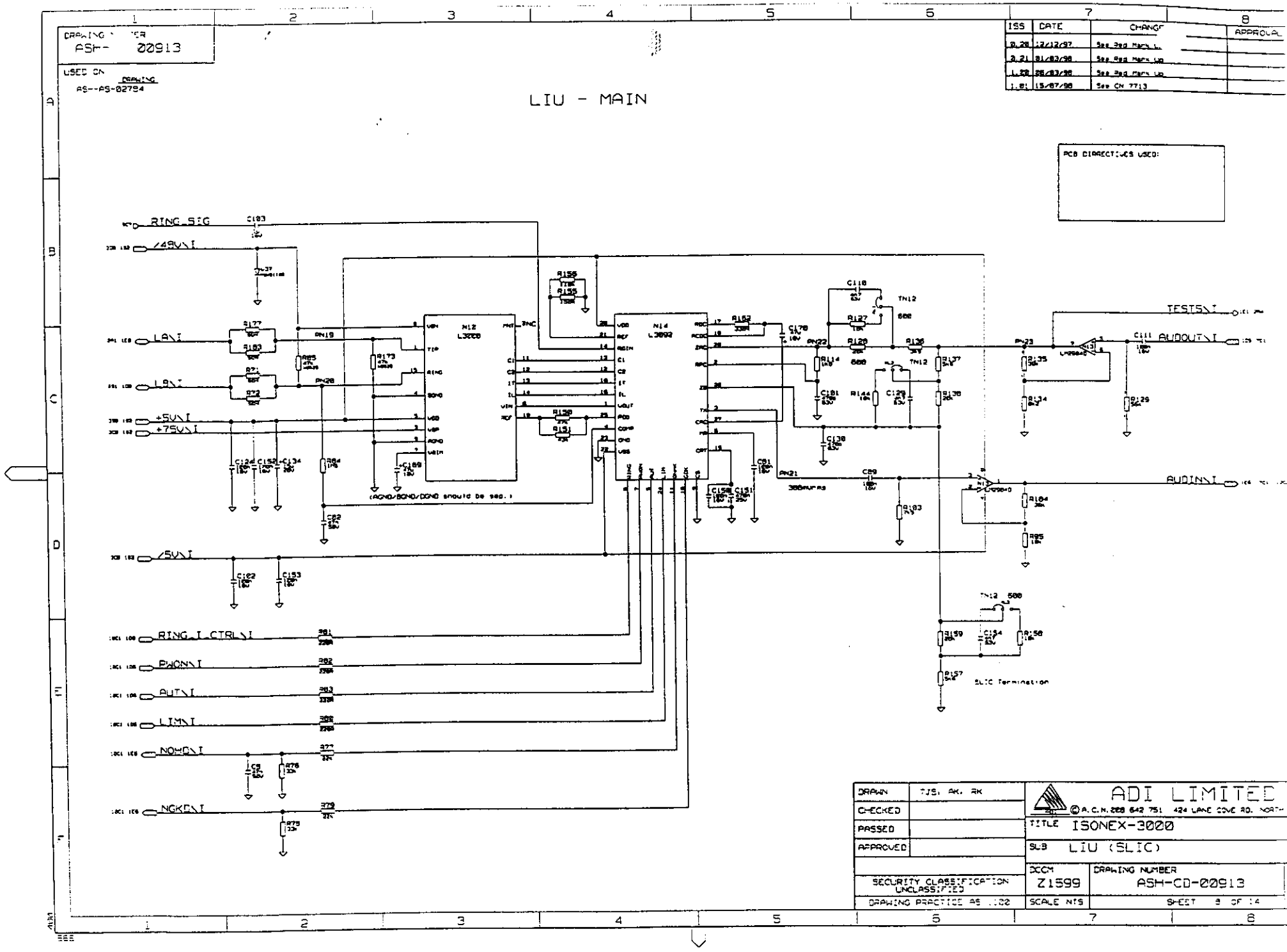
DRAWING NUMBER
ASH- 00913

USED ON DRAWING
AS--AS-02794

ISS	DATE	CHANGE	APPROVAL
0.20	12/12/97	See 3rd Mark Up	
0.21	31/03/98	See 4th Mark Up	
1.00	28/03/98	See 2nd Mark Up	
1.01	15/07/98	See CN 7713	

LIU - MAIN

PCB DIRECTIVES USED:



DRAWN	TJS, AK, RK	ADI LIMITED © A.C.N. 008 642 751 424 LANE COVE RD. NORTH
CHECKED		TITLE ISONEX-3000
PASSED		SUB LIU (SLIC)
APPROVED		
SECURITY CLASSIFICATION UNCLASSIFIED		DCCM Z1599 / DRAWING NUMBER ASH-CD-00913
DRAWING PRACTICE AS 1102		SCALE N/S / SHEET 3 OF 14

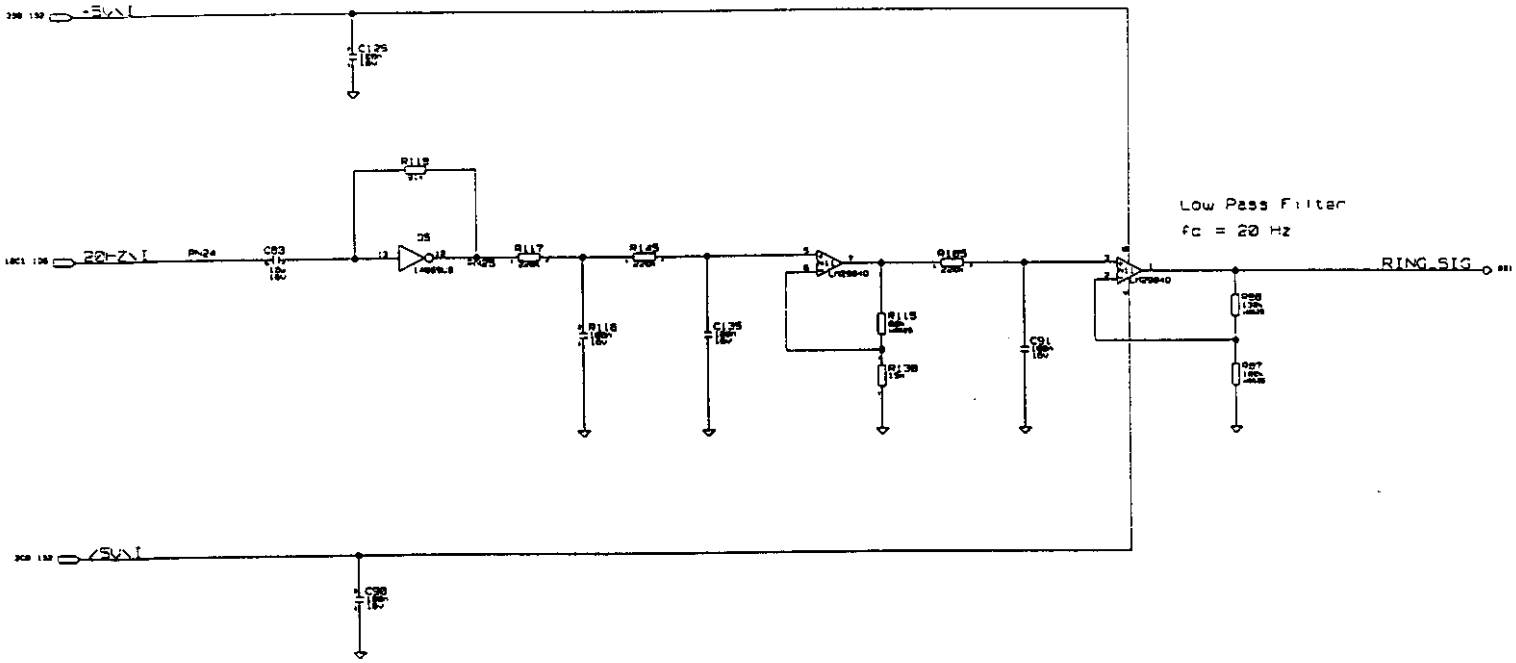
DRAWING NUMBER
ASH CD-00913

USED ON
ASH-AS-02784

ISS	DATE	CHANGE	APPROVAL
2.20	12/12/97	See Req March up	
2.21	31/03/98	See Req March up	
1.28	28/03/98	See Req March up	
1.01	15/07/98	See CN 7713	

LIU - RING SIGNAL FILTERS

PCB DIRECTIVES USED:



DRAWN	TJS, AK, RK	ADI LIMITED © A.C.N. 208 942 751 424 LANE COVE RD. NORTH RYDE	
CHECKED		TITLE ISONEX-3000	
PASSED		SUB LIU (RINGING FILTER)	
APPROVED		DCCM Z1599	DRAWING NUMBER ASH-CD-00913
SECURITY CLASSIFICATION UNCLASSIFIED			
DRAWING PRACTICE AS 1122		SCALE NTS	SHEET 9 OF 14

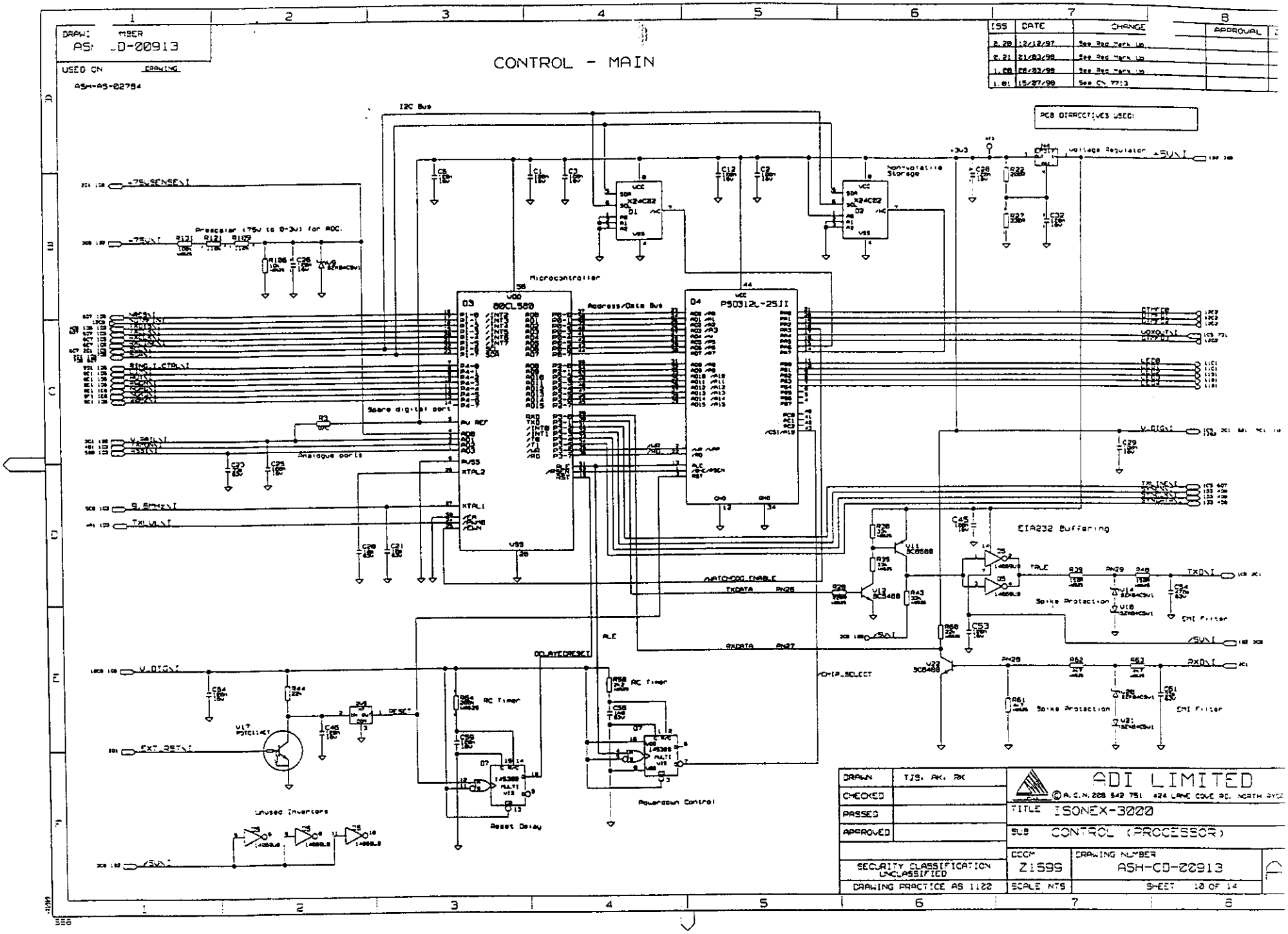
DRAWING NUMBER
ASH-CD-00913

USED ON DRAWING
ASH-AS-02784

CONTROL - MAIN

ISS	DATE	CHANGE	APPROVAL
2.20	12/12/97	See Rev Mark Up	
2.21	21/03/98	See Rev Mark Up	
1.00	28/03/98	See Rev Mark Up	
1.01	15/07/98	See CN 7713	

PCB DIRECTIVES USED:



DRAWN	TJS, AK, RK	ADI LIMITED A.C.N. 008 542 751 424 LANE COVE RD. NORTH RYDE
CHECKED		TITLE ISONEX-3000
PASSED		SUB CONTROL (PROCESSOR)
APPROVED		
SECURITY CLASSIFICATION UNCLASSIFIED		CCCM Z1599 / DRAWING NUMBER ASH-CD-00913
DRAWING PRACTICE AS 1122		SCALE NTS / SHEET 10 OF 14

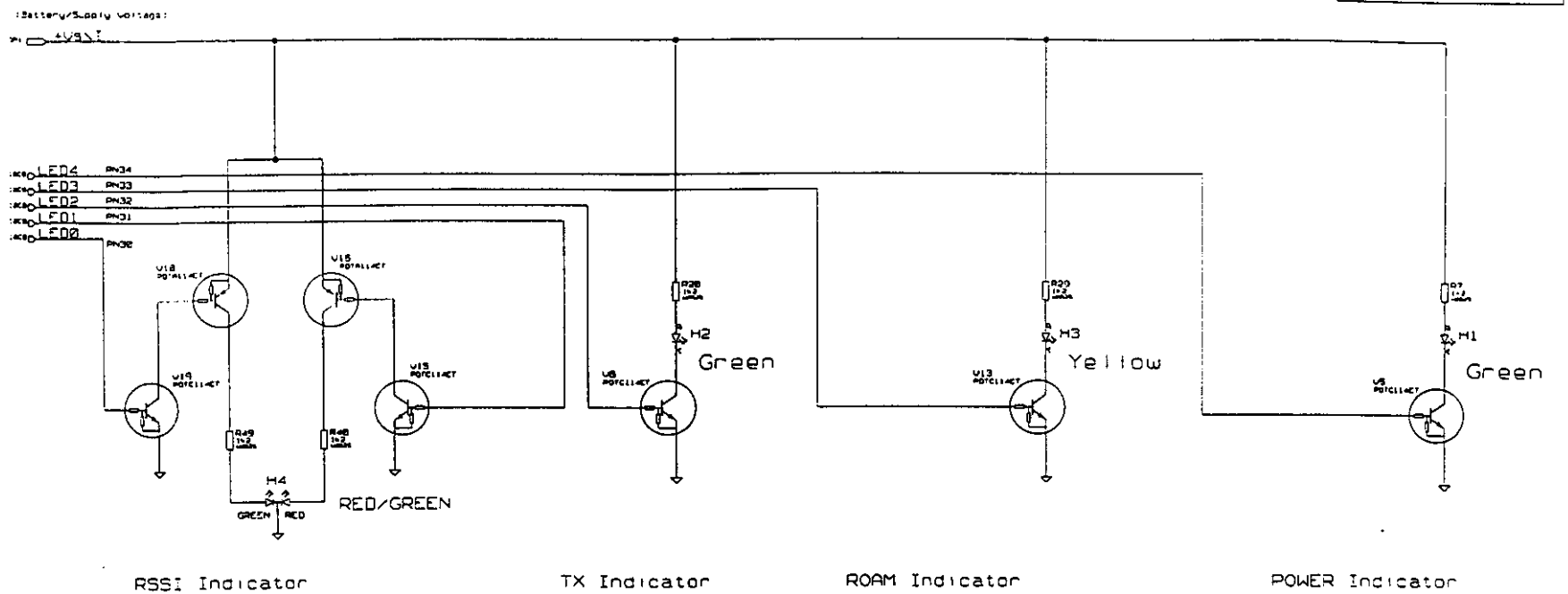
DRAW: NUMBER
AS: CD-00913

USED ON
ASH-AS-22754

AMPS SRT - CONTROL - INDICATORS

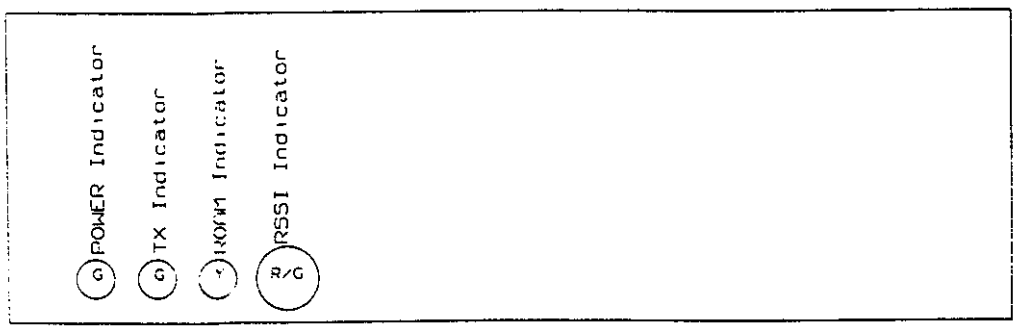
ISS	DATE	CHANGE	APPROVAL
2.28	12/12/97	See 3rd March Up	
2.21	21/03/98	See 3rd March Up	
1.20	20/03/98	See 3rd March Up	
1.21	15/07/98	See CN 7713	

PCB DIRECTIVES USED:



RSSI Indicator TX Indicator ROAM Indicator POWER Indicator

Front Panel



DRAWN	TJS, AK, RK	ADI LIMITED © A.C.N. 008 542 751 424 LANE COVE RD. NORTH RYDE
CHECKED		TITLE ISONEX-3000
PASSED		SUB CONTROL (INDICATORS)
APPROVED		
SECURITY CLASSIFICATION UNCLASSIFIED		ECCM Z1599 / DRAWING NUMBER ASH-CD-00913
DRAWING PRACTICE AS 1122		SCALE NTS / SHEET 11 OF 14

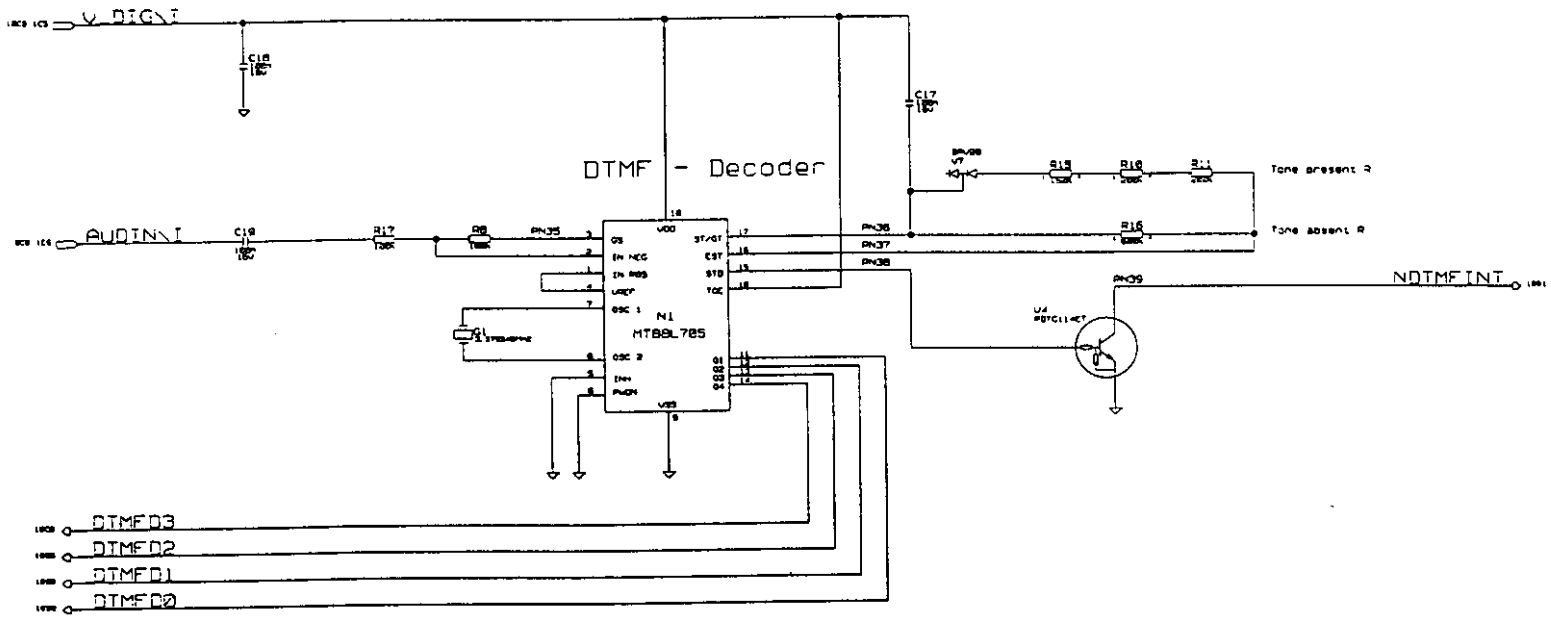
DRAWING NUMBER
ASH CD-00913

USED ON
ASH-AS-02784

CONTROL - DTMF

ISS	DATE	CHANGE	APPROVAL
0.20	12/12/97	See Red Mark Up	
0.21	21/03/98	See Red Mark Up	
1.20	28/03/98	See Red Mark Up	
1.01	13/07/98	See CN 7713	

PCB DIRECTIVES USED:



DRAWN	TJS, AK, RK	ADI LIMITED © A.C.N. 008 642 751 424 LANE COVE RD. NORTH RYDE
CHECKED		TITLE ISONEX-3000
PASSED		SUB CONTROL (DTMF DECODER)
APPROVED		DCCM Z1599 / DRAWING NUMBER ASH-CD-00913
SECURITY CLASSIFICATION UNCLASSIFIED		SCALE NTS / SHEET 12 OF 14
DRAWING PRACTICE AS 1120		

DRAWING NUMBER
ASH-CD-00913

USED ON

ASH-AS-02784

ISS	DATE	CHANGE	APPROVAL	ZO
0.20	12/12/97	See 2nd March up		
0.21	01/03/98	See 2nd March up		
1.20	05/03/98	See 2nd March up		
1.01	15/07/98	See CN 7713		

```
*** Signal Cross-Reference ***
--- for the entire design --

+5V             132 201 208 408 409 508 301 801 901
                1808
+5V             121 201 408
+12V            132 201 408 401 302 701
+75V            132 308 901 1801
+75V/SENSE      108 201 1801
+BATT           303
+BATT           191 301 301
+5              301 1101
/5V             103 201 308 801 901 1308 1808 1801
/+5V            132 308 801
/+5V/SENSE      121 201 308
/CHIP_SELECT    1805
/RS             1804
/WATCHDOG_ENABLE 1804
/WR             1804
5.0MHZ          103 308 801 1801
20MHZ           108 901 1801
ALE             1804
ANT             121 301 401
AUDIN           408 701 808 1202
AUDOUT          108 701 1808
BUT             108 801 1801
BATT1           304 303
CLKIN           801 708
BATRIN          801 708
DELAYRESET      1803
DEMOD           103 308 801
DEMOUT          801 708
DTMF00          1808 1202
DTMF01          1808 1202
DTMF02          1808 1202
DTMF03          1808 1202
CNT_RST         101 301 1801
GROUND          191 301 301
LA              108 304 801
LAIN            303
LB              108 301 401
LBIN            303
LED0            1808 1101
LED1            1808 1101
LED2            1808 1101
LED3            1808 1101
LIN             108 901 1801
METERINT        1801 1202
MOM0            108 901 1801
MOM1            108 801 1801
MRES            108 807 1801
MOUTT           408
MUON            108 801 1801
MUTE            1803
MSAG_LCTRL      108 801 1801
MSAGLSIG        801 907
MSEL            103 308 1801
MMCLK           103 407 1801
MMD             103 301 1401
MMDATA          1805
MMIN            401 501
MMLINE          103 407 1801
MMMUTE          801 708
MMVCO_CTL       408 501
MMVCO_OUT       409 501
MMIN            303
SCL             103 201 807 708 1801
SDA             103 201 807 708 1801
SYNCLK          103 408 1808
SYNDATA         103 408 1808
SYNCH           103 408 1808
TCMD            408 901
TEST1           101 304 708
TEST2           101 304 708
TEST3           101 304 708
TEST4           101 304 708
TEST44          101 304 708
TEST5           101 304 808
TEST7           101 304 708
TEST77          101 304 708
TEST8           101 304 708
TEST9           101 304 708
TEST10          101 304 708
TMCLK           103 807 1801
TMD             103 301 1808
TMDATA          1808
TMDES           103 108 408 807 1801
TMLINE          103 807 1808
TMLVL           103 401 1801
TMMOD           103 401 708
TMPDN           103 401 1801
TMMUTE          801 708
TMIN            303
VBRBUT          105 701 1808
VSYNTH          101 301 408
V_AN            103 301 701
V_DIG           103 301 801 701 1808 1801 1308
V_MAIN          102 301 1801
V_TONE_ALL      408
V_TMVCO         408
```

DRAWN	TJS, AK, RK	ADI LIMITED	
CHECKED		© A.C.N. 008 642 751 424 LANE COVE RD. NORTH RYDE	
PASSED		TITLE ISONEX-3000	
APPROVED		SUB SIGNALS CROSS-REFERENCE	
		DCCM Z1599	DRAWING NUMBER ASH-CD-00913
SECURITY CLASSIFICATION UNCLASSIFIED			
DRAWING PRACTICE AS 1122		SCALE NTS	SHEET 13 OF 14

DRAWING NUMBER
ASH-CD-00913

USED ON
ASH-AS-02794

ISS	DATE	CHANGE	APPROVAL	ZONE
2.20	12/12/97	See 3rd March up		
2.21	21/03/98	See 3rd March up		
1.20	05/03/98	See 3rd March up		
1.81	15/06/98	See CN 7713		

DRAWN	TJS. AK. AK	ADI LIMITED © A.C.N. 008 542 751 424 LANE COVE RD. NORTH RYDE
CHECKED		TITLE ISONEX-3000
PASSED		SUB COMPONENT CROSS-REFERENCE
APPROVED		CCCM Z1599 — DRAWING NUMBER ASH-CD-00913 — A2
SECURITY CLASSIFICATION UNCLASSIFIED		SCALE NTS — SHEET 14 OF 14
DRAWING PRACTICE AS 1128		

APPENDIX C

Obtaining SRT Parameters

To configure the SRT to the distributor requirement a checklist is included to be completed by the distributor and/or representative.

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ADI

SRT CONFIGURATION

Forward completed form to the Senior Production Controller
Telecommunications Division Osborne Park
18 Hasler Rd Osborne Park WA 6017, Australia.
Tel: +61 8 9273 0888 Fax: +61 8 9446 5038

	NAME:	SIGNATURE:
SALESPERSON		
CUSTOMER		
COUNTRY		
CUSTOMER ORDER #		

ORDER QUANTITIES

ITEM	PART #	QUANTITY
SRT DEFAULT CONFIGURATION	FM-1217-00	
SRT CUSTOM CONFIGURATION	FM-1227-00	
USER GUIDE - CHINESE (OPTION)	MN-1230-47	
POWER SUPPLY 90-264VAC 47/440Hz	FP-1226-76	
POWER SUPPLY 198-264VAC 50/60Hz	FP-1230-34	
UPS	FM-1229-43	
WHIP ANTENNA	AN-1224-00	
YAGI ANTENNA - 6 ELEMENT	AN-1225-54	
YAGI ANTENNA 15 ELEMENT	AN-1225-55	
VERTICAL COLLINEAR ANTENNA	AN-1225-56	
BATTERY CABLE 12V	TBA	
TECHNICAL MANUAL	MN-1225-63	
PROGRAMMING KIT	FM-1230-40	

ADI

REQUIRED CONFIGURATION INFORMATION

	REQUIRED	DEFAULT
SYSTEM A FIRST CONTROL CHANNEL:		333
SYSTEM A LAST CONTROL CHANNEL:		313
SYSTEM B FIRST CONTROL CHANNEL:		334
SYSTEM B LAST CONTROL CHANNEL:		354
PREFERRED SYSTEM SELECT:		A
FIRST PAGING CHANNEL:		333
HOME SYSTEM ID		3
IMSI RANGES		
MINIMUM CALL DIGITS		3
CALL PROCESSING MODE SELECT		3
RING CADENCE		1000,4000,1000, 4000

OPTIONAL CUSTOMER INFORMATION

ACCESS OVERLOAD CLASS		LAST IMSI DIGIT
DIAL TONE FREQUENCY		400Hz
DIAL TONE AMPLITUDE		-12dB
BUSY TONE CADENCE		375,375
BUSY TONE FREQUENCY		426Hz
BUSY TONE AMPLITUDE		-12dB
CELL SITE PHONE NUMBER (IF CALL PROCESSING MODE = 1)		0
CELL INITIALISATION DIGIT (IF CALL PROCESSING MODE = 2)		#
LOCAL CONTROL (YES/NO)		YES
SYSTEM MANUFACTURER		ADI

DISTRIBUTOR REQUIRED INFORMATION

TEST HARNESS PASSWORD		yiedgobo