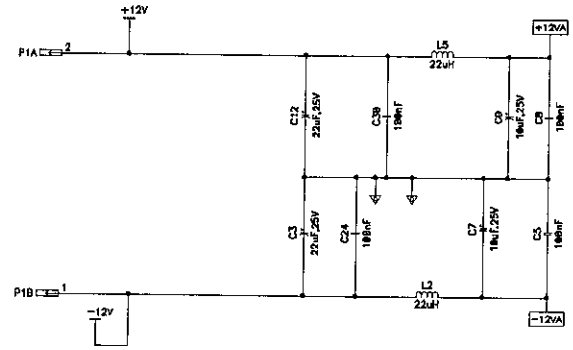
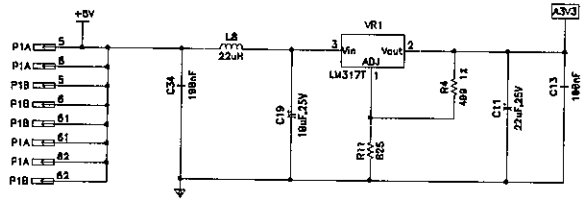
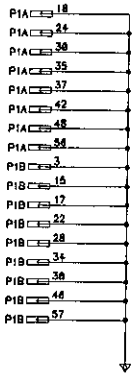
EXHIBIT D

Circuit Diagram







2. ALL CAPACITANCE ARE IN UF,+/-20%, 50V
1. ALL RESISTANCE ARE IN OHM, 1%

NOTES: UNLESS OTHERWISE SPECIFIED

REV	DESCRIPTION	DATE	APPROVED
A			

PARTS LIST

ITEM NO	QTY REQD	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION

	APPROVALS	DATE
DRAWN	DCC	8-3-98
CHECKED		
ENGINEER		
CNC MFG		
RELEASED		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES:
DECIMALS (XXX) ± .005 ANGLES ±1°
MATERIAL
FINISH
DO NOT SCALE DRAWING

21-060010-00A	APOLLO 201
NEXT ASSY	USED ON
APPLICATION	

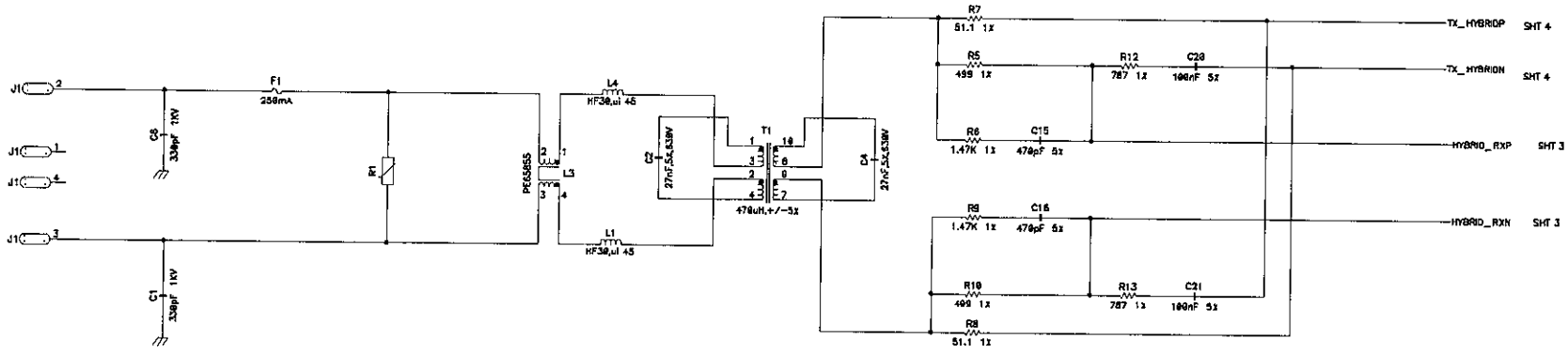
ITeX
2716 WALSH AVENU
SANTA CLARA, CA 95051

SCHEMATIC DIAGRAM
APOLLO 2

SIZE B | DWG NO. 21-060010-10A
SCALE: NONE | FILE NO. | SHEET 1 OF 7

FORM: 0-1058-1 REV A

LINE PROTECTION + HPF + HYBRID

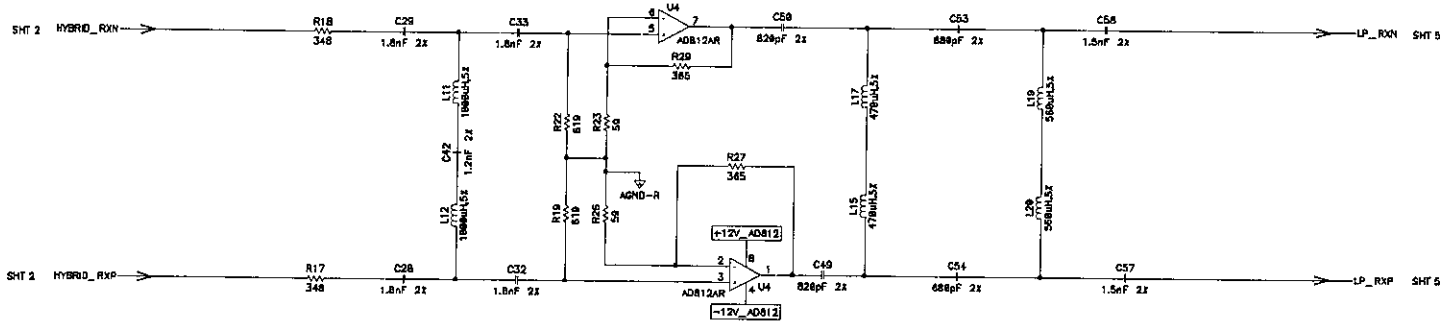


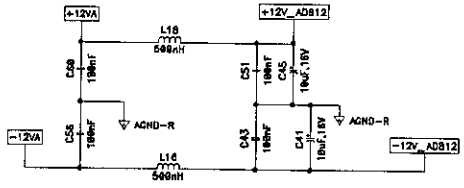
APOLLO 2

SIZE	DWG NO.	21-060010-10A
B		
SCALE: NONE	FILE NO.	SHEET 2 OF 7

FORM C-1988-1 REV A

RECEIVE PATH





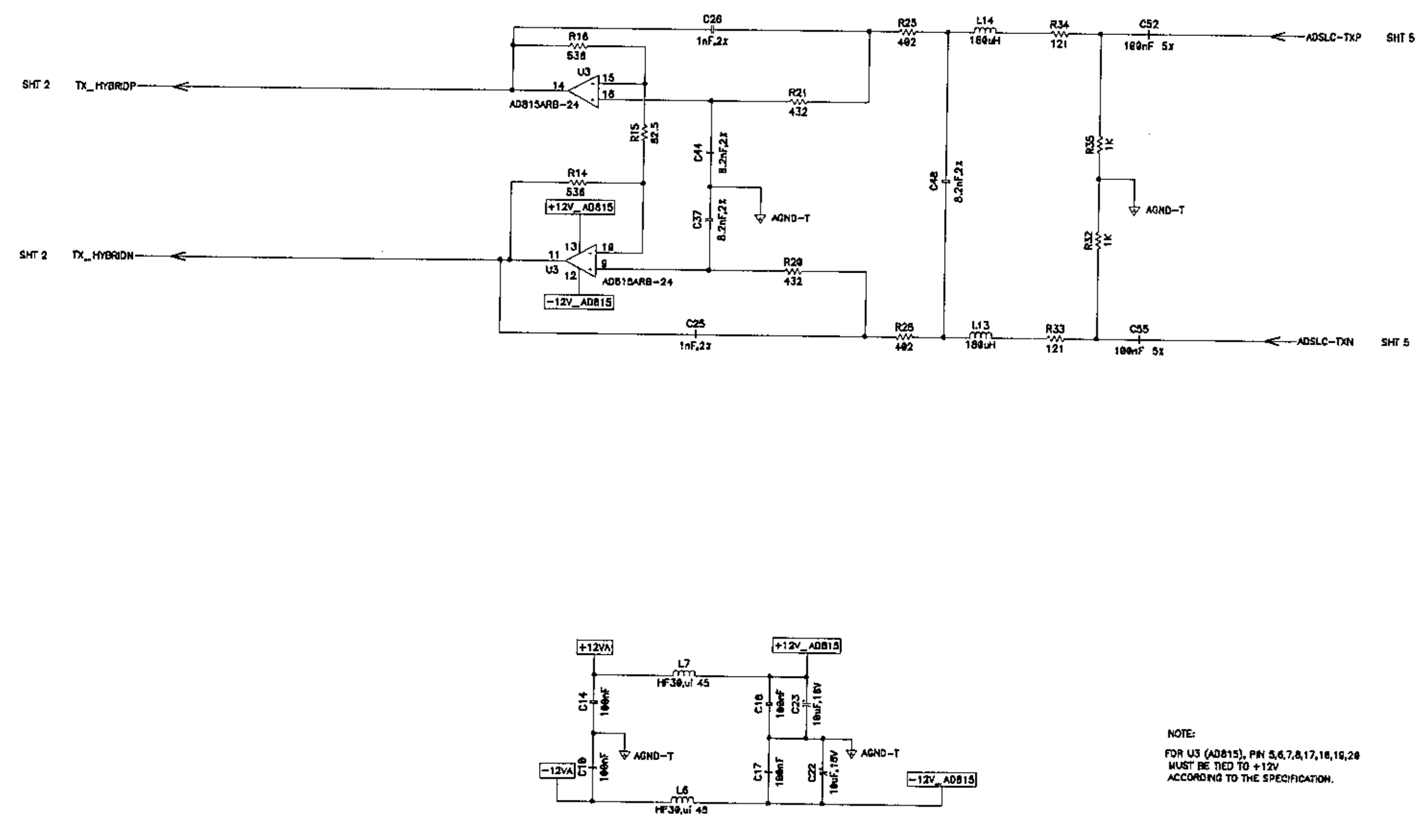
APOLLO 2

SIZE	DWG NO.	REV
B	21-060010-10A	

SCALE: NONE FILE NO. SHEET 3 OF 7

FORM: D-1068-2 REV A

TRANSMIT PATH



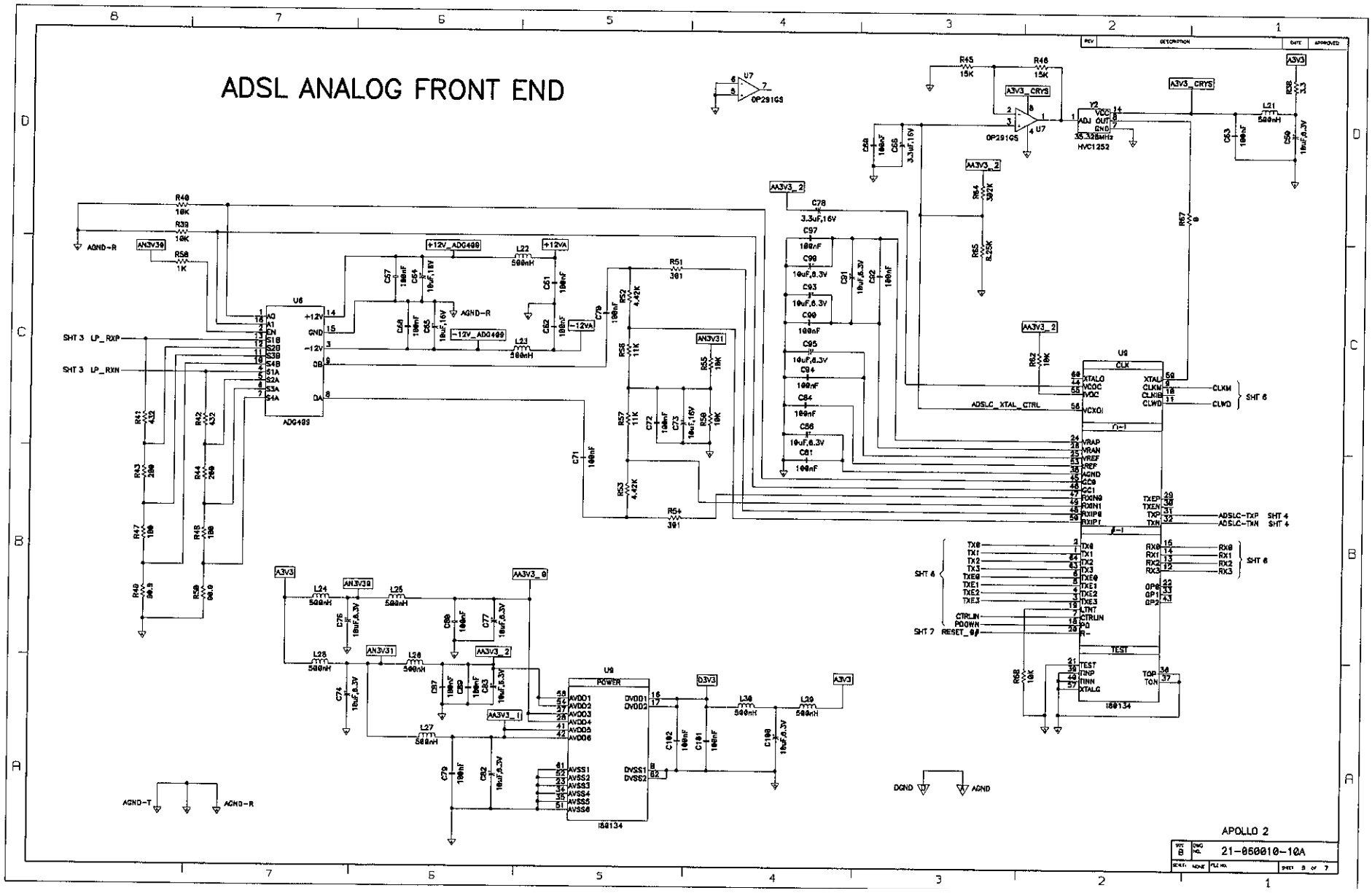
NOTE:
FOR U3 (AD815), PIN 5,6,7,8,17,18,19,20 MUST BE TIED TO +12V ACCORDING TO THE SPECIFICATION.

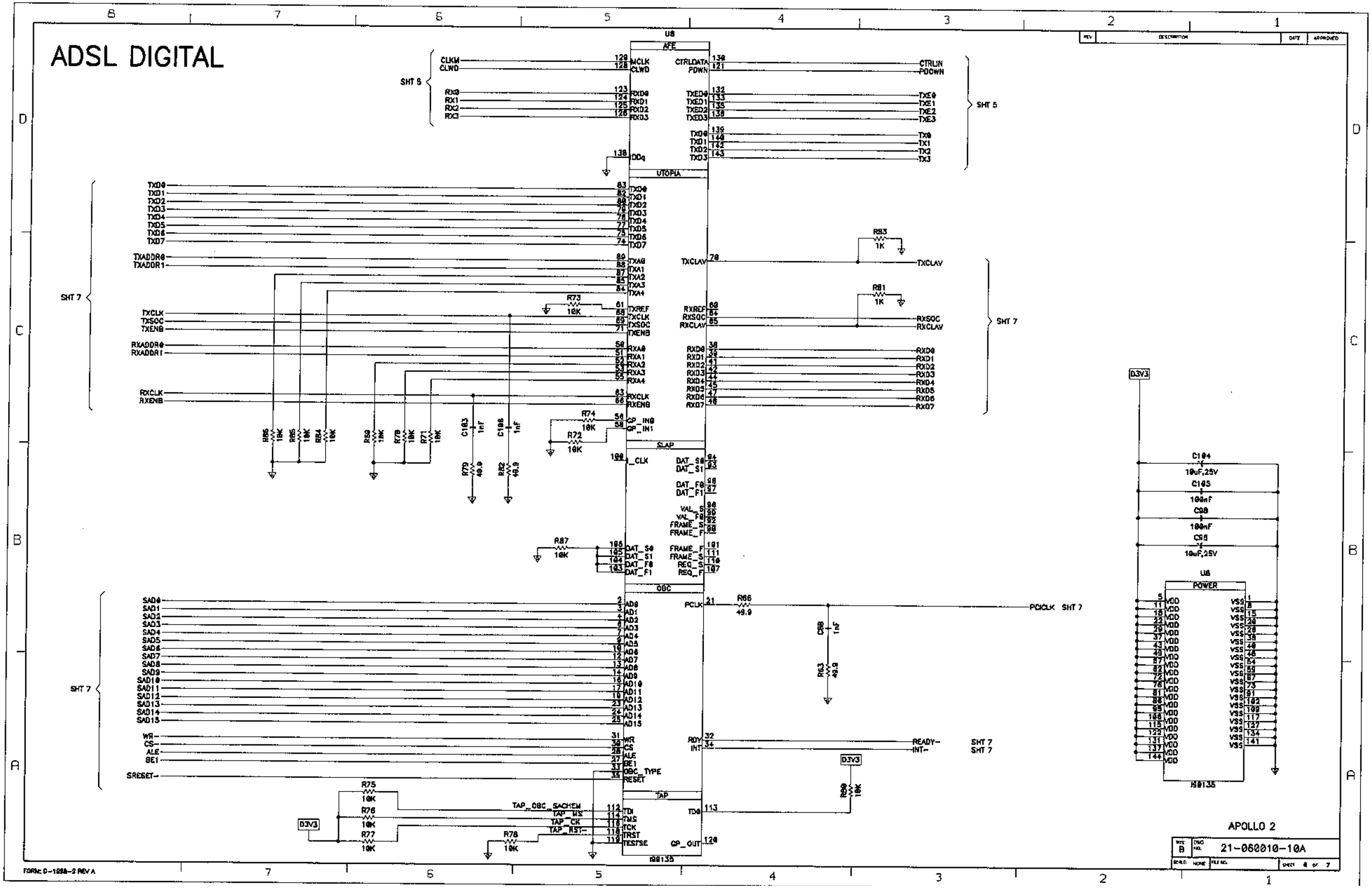
APOLLO 2

SIZE	DWG NO.	
B	21-060010-10A	SHEET 4 OF 7

FORM: D-1253-2 REV A

000024


ADSL ANALOG FRONT END
APOLLO 2
21-050010-10A
SHT 3 LP_RXP
SHT 3 LP_RXN
ADSLC_XTAL_CTRL
ADSLC-TXP SHT 4
ADSLC-TXN SHT 4
CLKM
CLKD
SHT 6
SHT 7
AGND-R
AGND-T
DGND
AGND
+12V_ADG409
-12V_ADG409
+12VA
-12VA
A3V3
A3V3_CRYS
AA3V3_2
AA3V3_1
AA3V3_0
AN3V31
D3V3
ADG409
I80134
HVC1252
35.328MHz
OP291GS


ADSL DIGITAL
U8
AFE
UTOPIA
SLAP
OBC
TAP
POWER
SHT 5
SHT 7
D3V3
APOLLO 2
21-060010-10A
FORM: D-1258-2 REV A