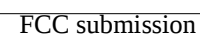


GPDB-Gemini/PD Annex B
Gemini/PD Schematics

Contents

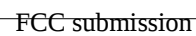
MDP Transceiver.....pag 2-6

Gemini Modem/loaderpag 7-10



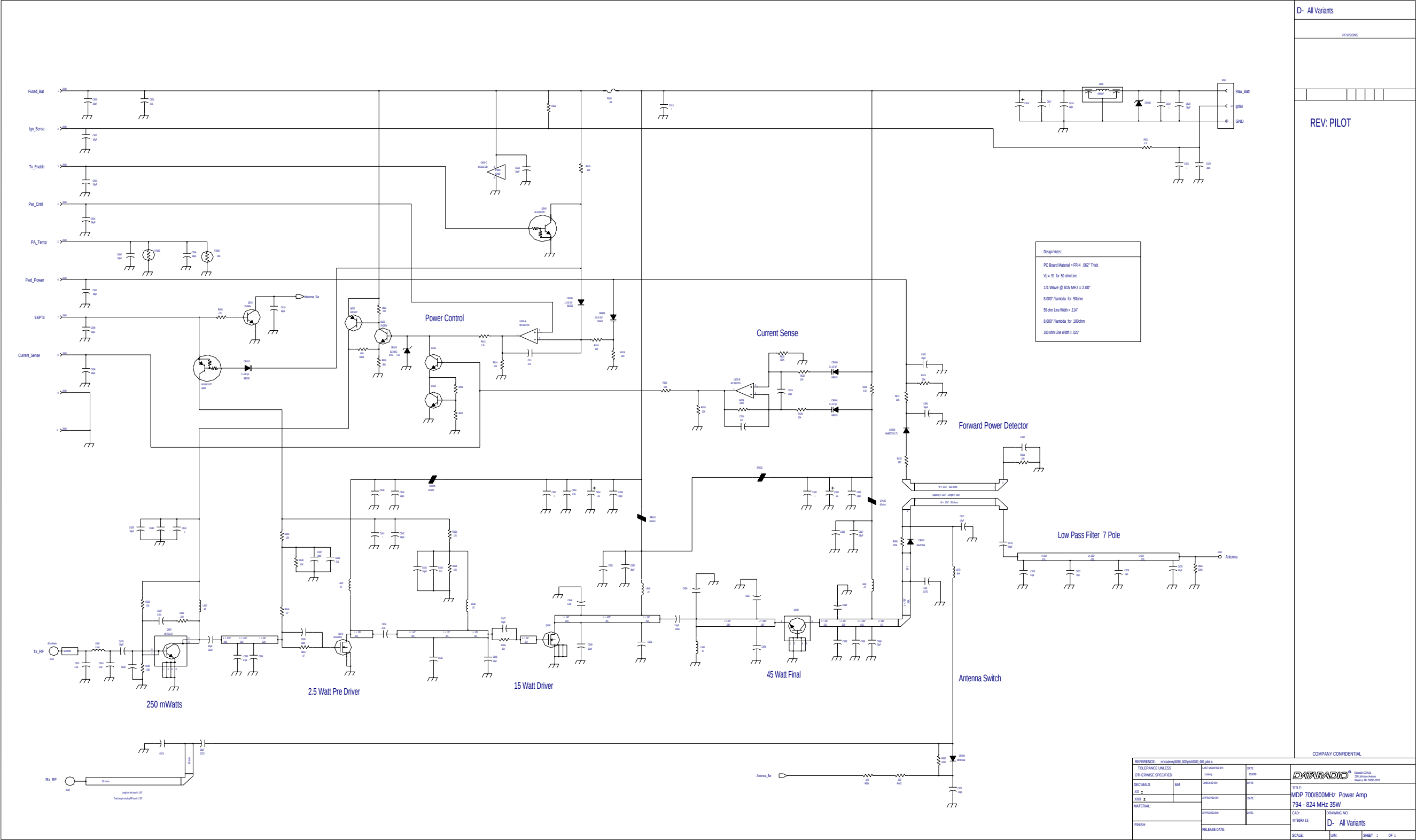
 Dataradio Corporation 280 Jefferson Avenue Winnetka, MN 55390-3022	
TITLE: TOP 6080 RF Circuit Board Main RF	
ID: REGRA 3.5	DRAWING NO. D- 6082-307
SCALE:	U/M: SHEET 2 OF 3

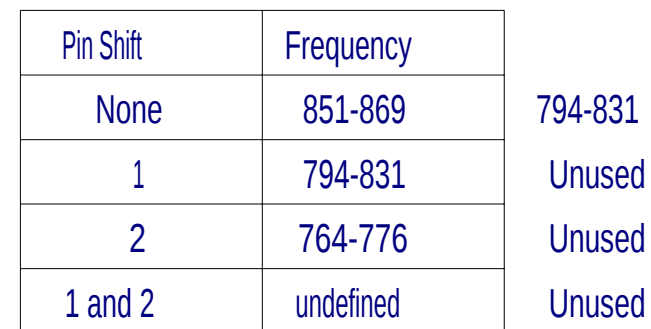
DESIGN NOTES:
PCB MATERIAL = FR-4, 0.062" THICK, 4-LAYER
1/4 WAVE @ 800MHz = 1.999" (7.996" /lambda)
1/4 WAVE @ 815MHz = 1.962" (7.852" /lambda)
1/4 WAVE @ 899MHz = 1.779" (7.116" /lambda)
50 OHM LINE WIDTH = "0.038, 1 Layer Microstrip, 0.020
50 OHM LINE WIDTH = "0.076, 2 Layer Microstrip, 0.040
50 OHM LINE WIDTH = "0.114, 3 Layer Microstrip, 0.060
50 OHM LINE WIDTH = "0.036, Buried Layer Stripline, 0.520"



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REFERENCE: in:trunklesscom0000_300x600_300_pld0000_300_pld0000		DATE: 12/15/09	
TOLERANCE UNLESS OTHERWISE SPECIFIED:		 DAWRADIO® 10000-000 000 10000-000 000 10000-000 000	
DECIMALS	MM	CHECKED BY:	TITLE:
XX ±		APPROVED BY:	MOP 6080 FR Circuit Board
XXX ±			Receivers
MATERIAL:		APPROVED BY:	CAD:
			DRAWING NO.
FINISH:		RELEASE DATE:	INTER-15 D- 6082-307
		SCALE:	DIM: _____ SHEET 3 OF 3



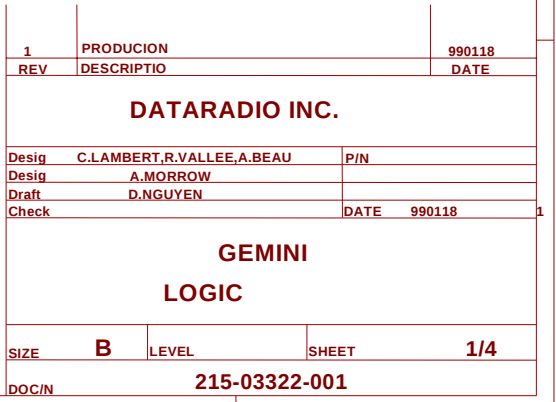


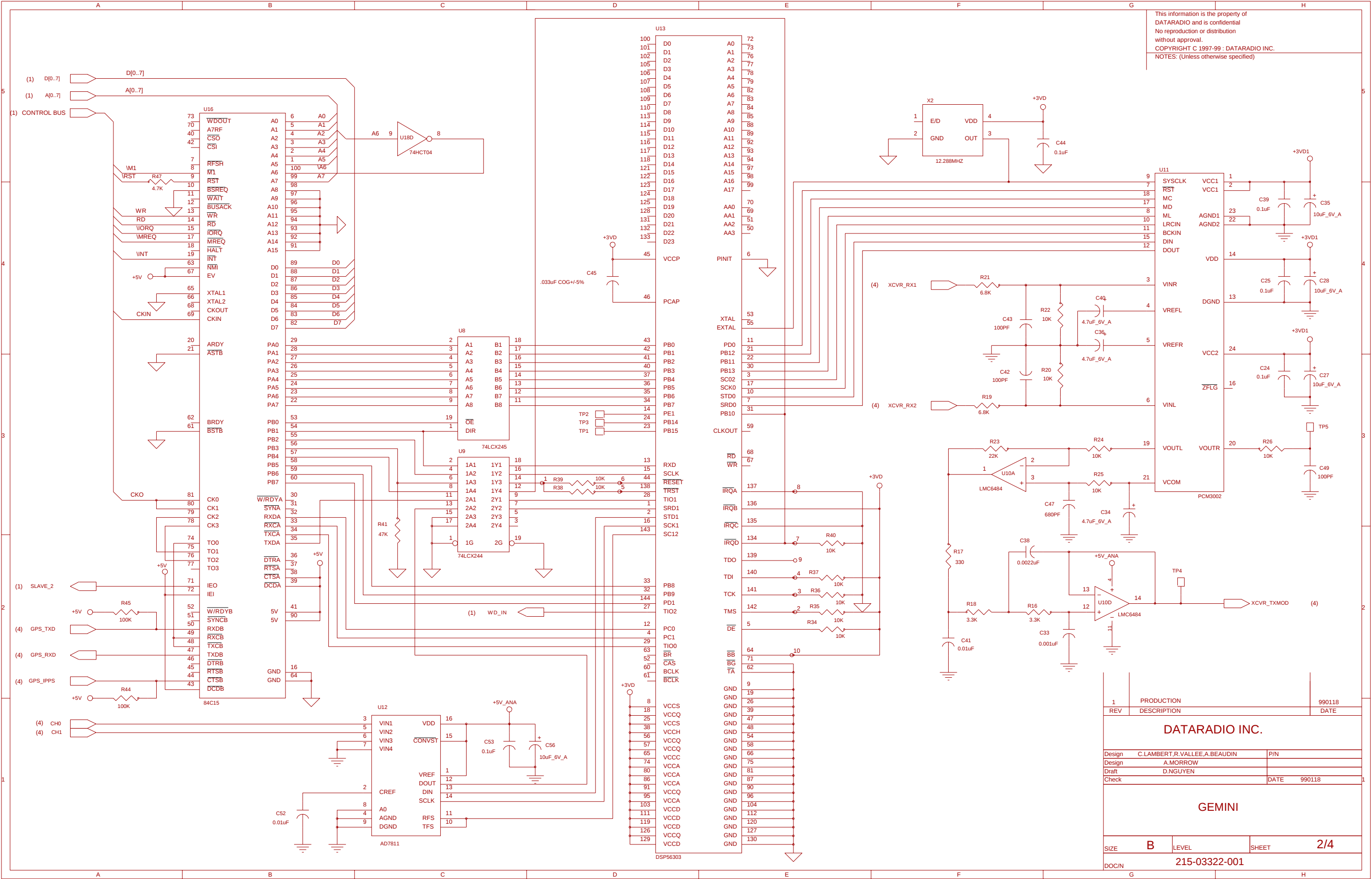
REFERENCE:		m:mdickinson6080_9006080_900_ep1tc			
TOLERANCE UNLESS OTHERWISE SPECIFIED		LAST MODIFIED BY: mdickinson	DATE: 10/25/99	 Dataradio-COR Ltd. 299 Johnson Avenue Waseca, MN 56093-0833	
DECIMALS .XX ±	MM	CHECKED BY:	DATE:	TITLE: MDP 700 / 800 VCO Schematic	
.XXX ±		APPROVED BY:	DATE:		
MATERIAL:		APPROVED BY:	DATE:		
FINISH:		RELEASE DATE:		CAD: INTEGRA 3.5	DRAWING NO. B- All Variants
				SCALE:	U/M:
				SHEET 1 OF 1	

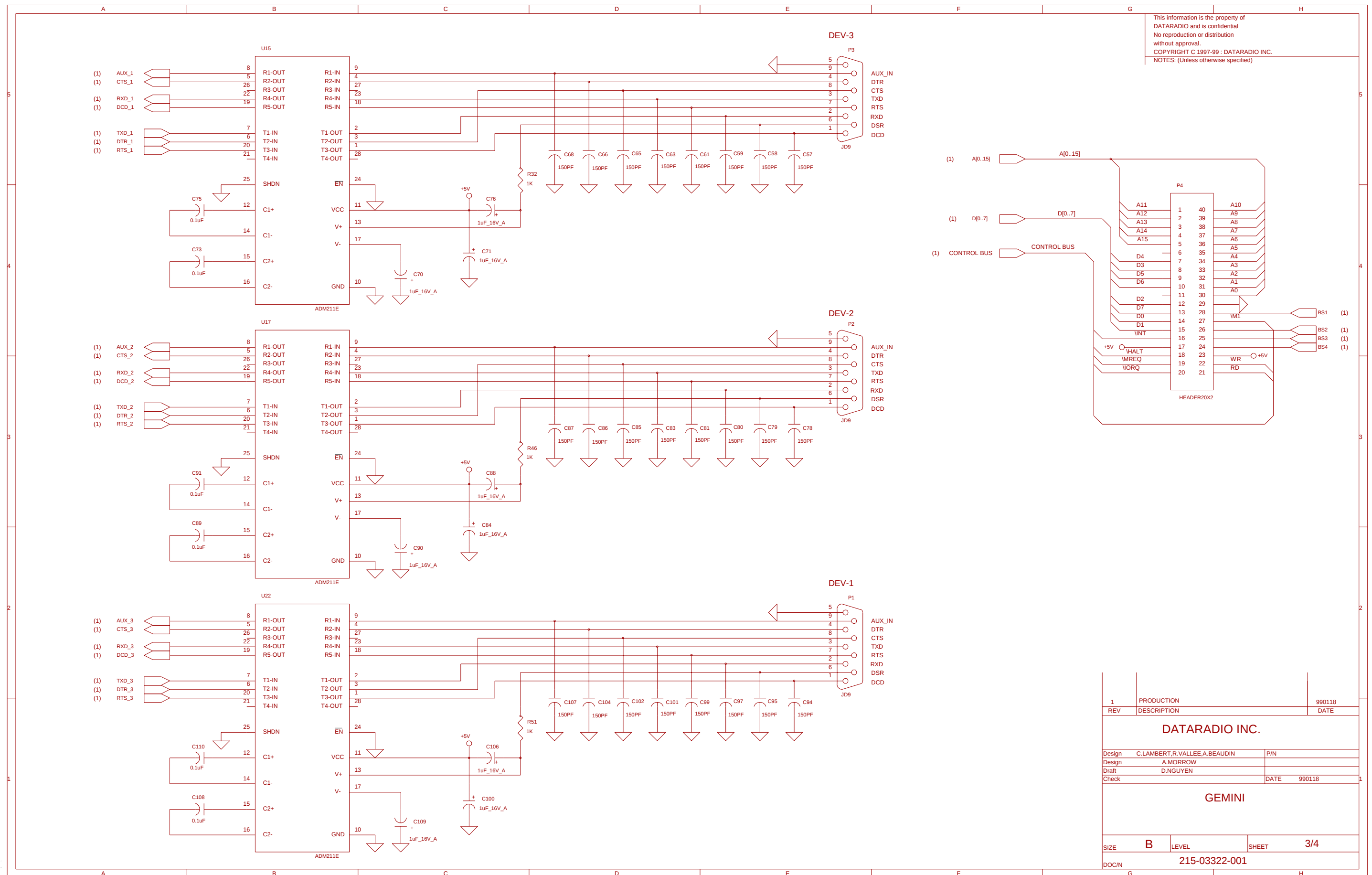
REVISIONS

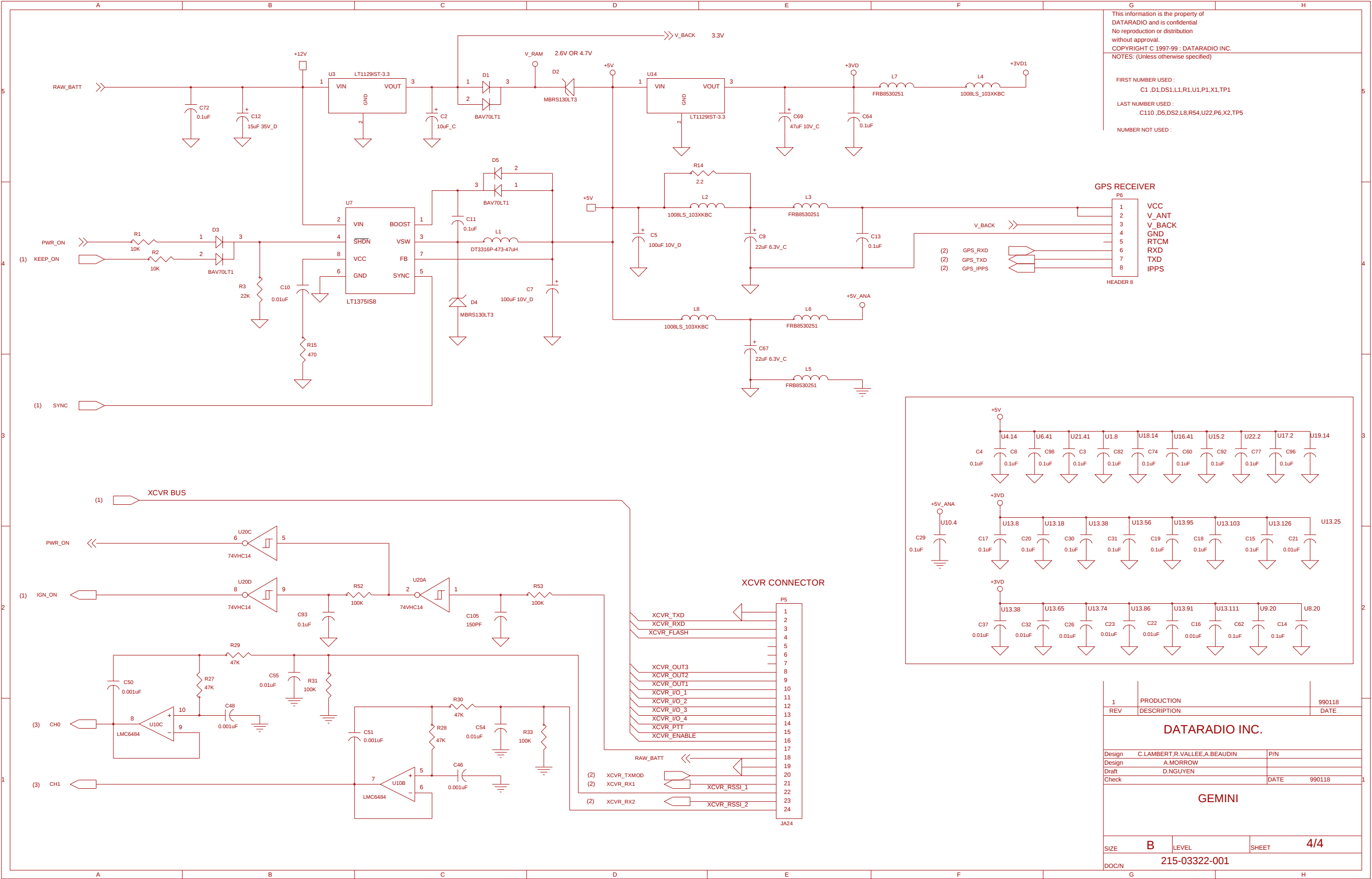
Pilot
10/19/99

COMPANY CONFIDENTIAL









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NOTES: (Unless otherwise specified)

FIRST NUMBER USED :
C1 ,D1,DS1,L1,R1,U1,P1,X1,TP1

LAST NUMBER USED :
C110 ,D5,DS2,L8,R54,U22,P6,X2,TP5

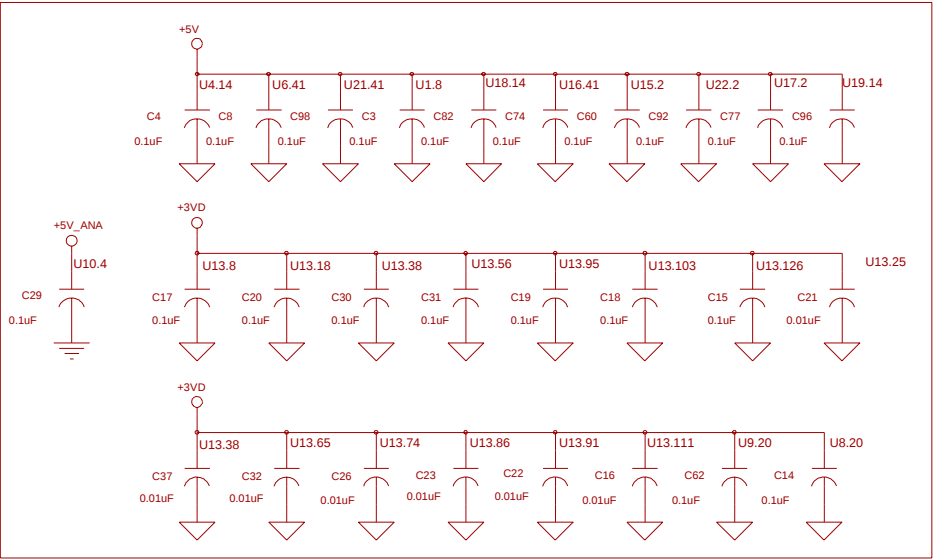
NUMBER NOT USED :

GPS RECEIVER

P6

1 VCC
2 V_ANT
3 V_BACK
4 GND
5 RTCM
6 RXD
7 TXD
8 IPPS

HEADER 8



1	PRODUCTION	990118
REV	DESCRIPTION	DATE
DATARADIO INC.		
Design	C.LAMBERT,R.VALLEE,A.BEAUDIN	P/N
Design	A.MORROW	
Draft	D.NGUYEN	
Check		DATE 990118
GEMINI		
SIZE	B	LEVEL
DOC/N	215-03322-001	SHEET 4/4