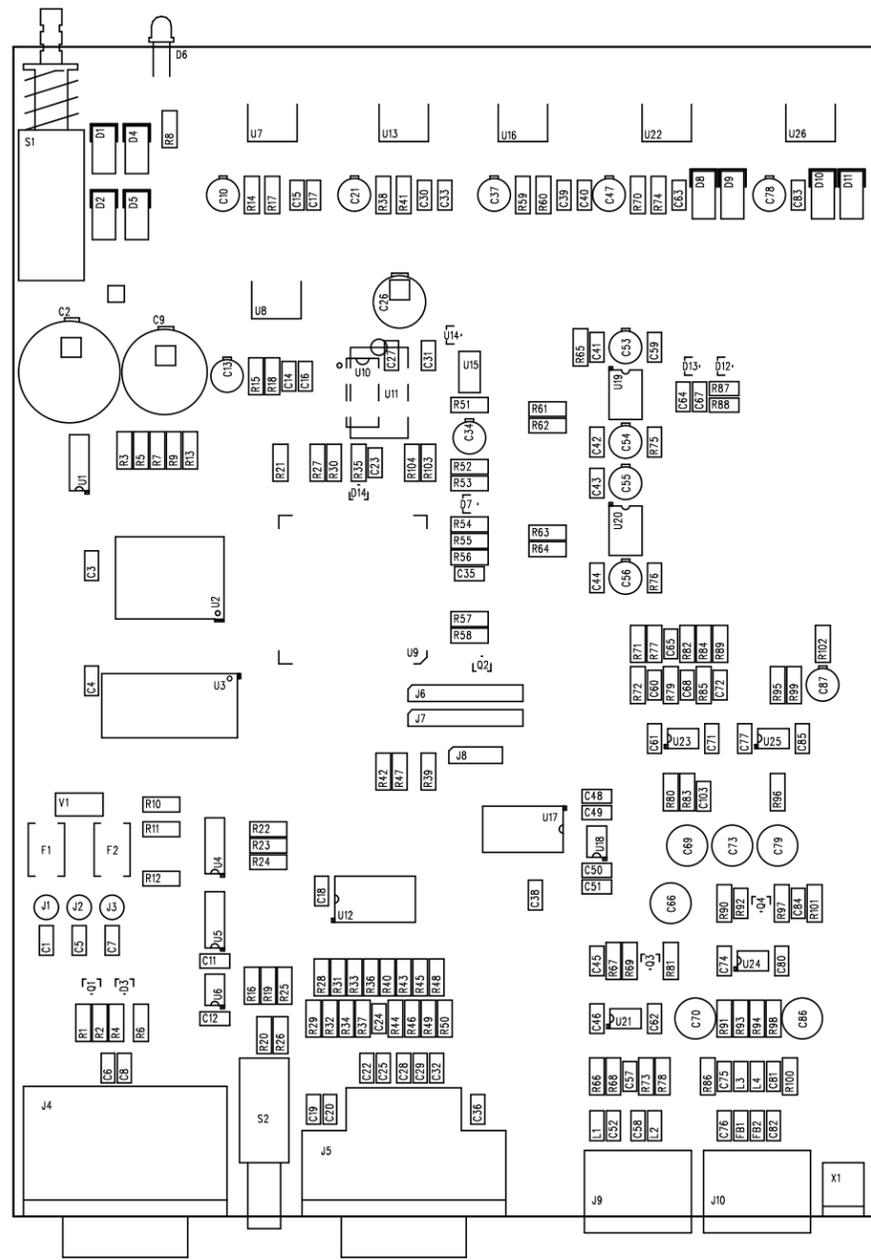


**MSP11, MSP22e,  
and NMP200**

**Schematic**

Released July 16, 2002



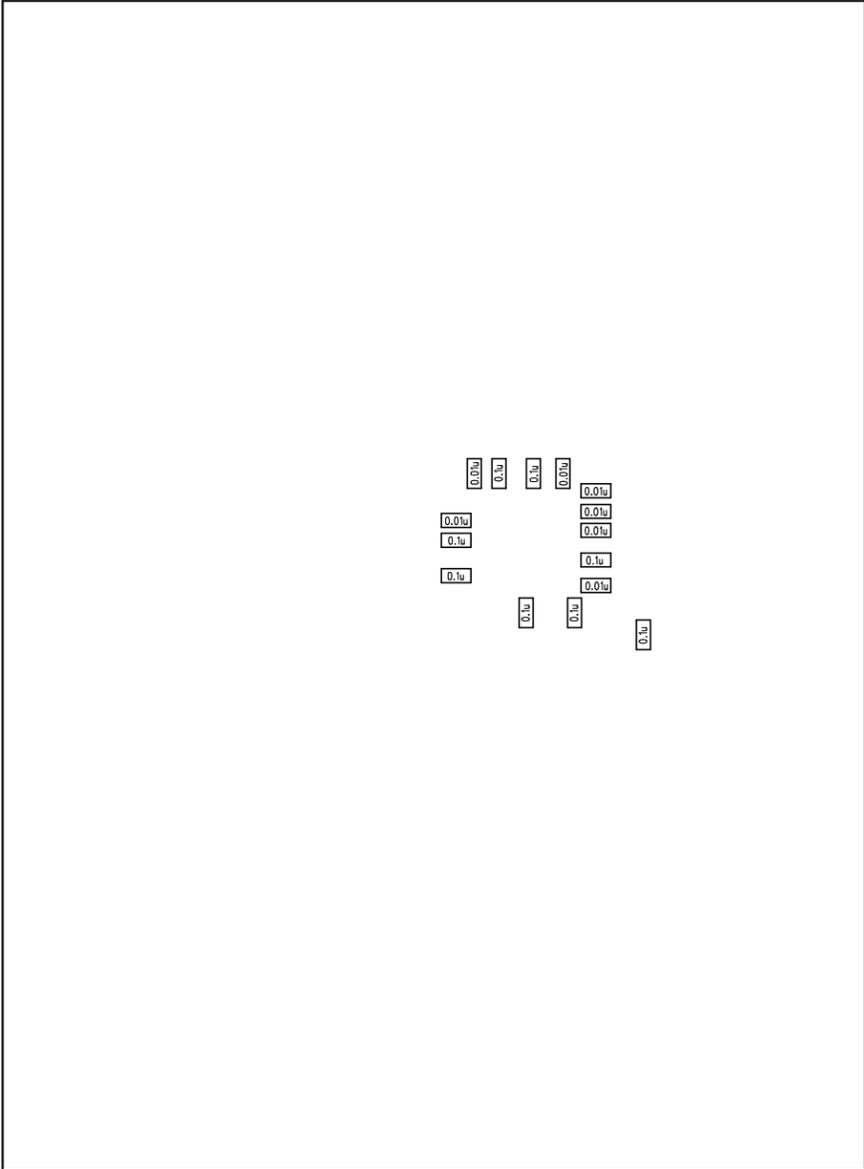


BIAMP SYSTEMS  
 10074 S.W. Arctic Drive  
 Beaverton, OR 97005  
 (503) 641-7287

**380-0480-00 REV B**  
 MSP11 PCB

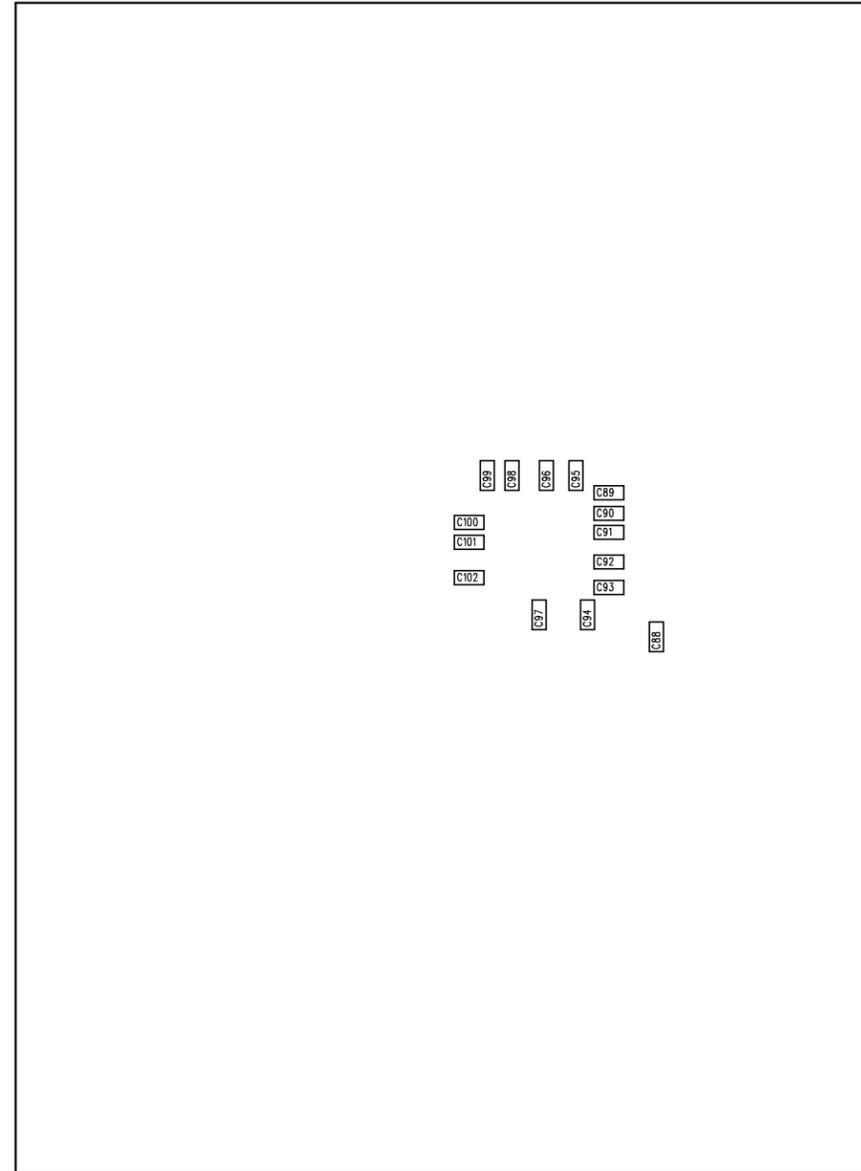
DRAWN		BIAMP SYSTEMS, INC	
CHECKED		10074 SW Arctic Drive, Beaverton OR 97005	
DESIGN	090498 LRS	MSP11 MULTI-FUNCTION SIGNAL PROCESSOR	
APPROVED		TOP SIDE REFERENCE DESIGNATORS	
		DWG. NO.	701-0480-00
		REV.	B
		SHEET 2 OF 4	

MSP11 PCB  
**380-0480-00 REV B**  
 \_\_\_\_\_  
 (503) 641-7587  
 Beaverton, OR 97005  
 10074 SW Arctic Drive  
 BIAMP SYSTEMS



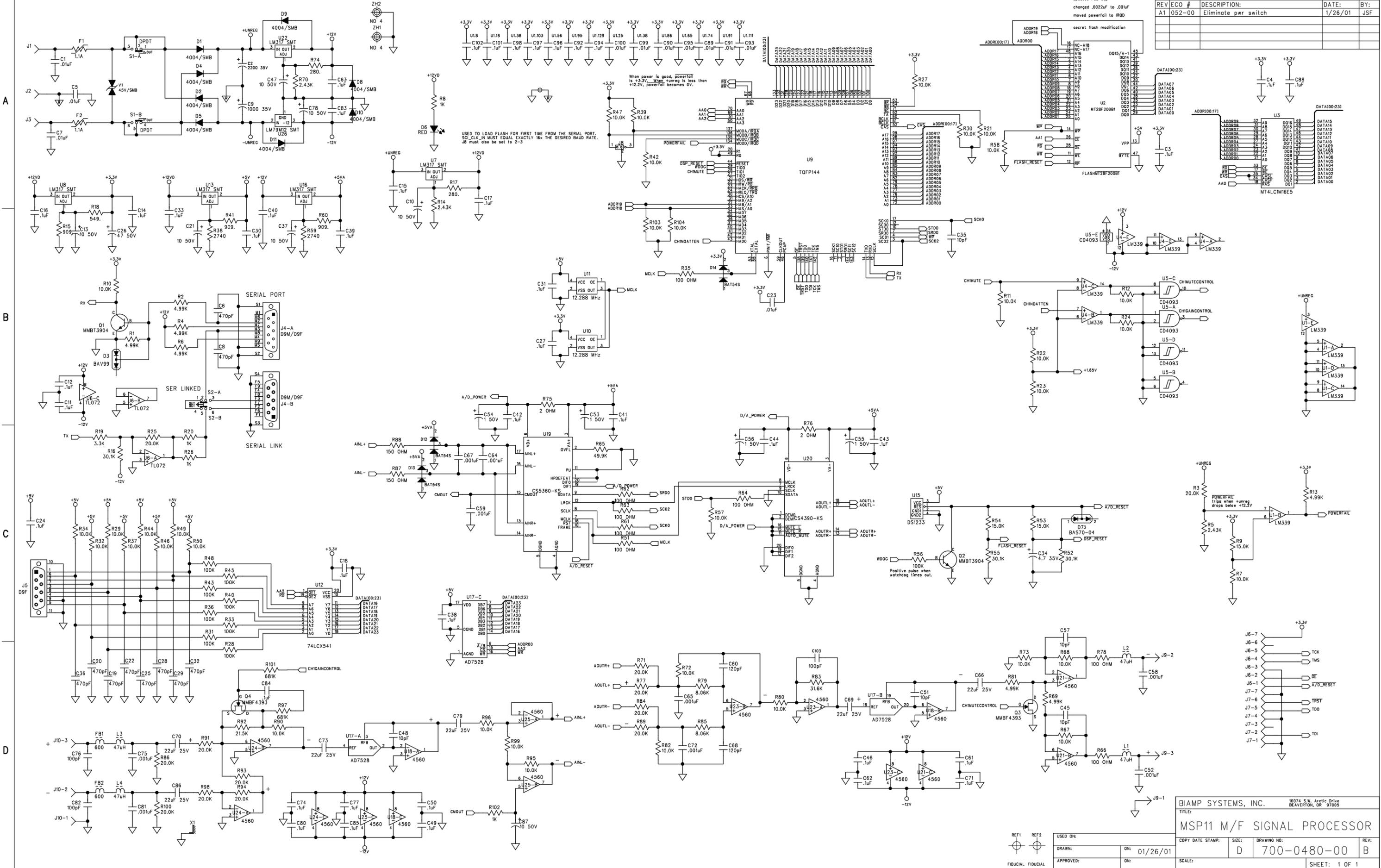
DRAWN		BIAMP SYSTEMS, INC
CHECKED		10074 SW Arctic Drive, Beaverton OR 97005
DESIGN	090498 LRS	MSP11 MULTI-FUNCTION SIGNAL PROCESSOR BOTTOM SIDE COMPONENT ASSEMBLY DIAGRAM
APPROVED		DWG. NO. 701-0480-00 REV. B SHEET 3 OF 4

MSP11 PCB  
**380-0480-00 REV B**  
 (503) 641-7587  
 Beaverton, OR 97005  
 10074 SW Arctic Drive  
 BIAMP SYSTEMS

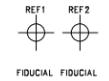


DRAWN		BIAMP SYSTEMS, INC
CHECKED		10074 SW Arctic Drive, Beaverton OR 97005
DESIGN	090498 LRS	MSP11 MULTI-FUNCTION SIGNAL PROCESSOR BOTTOM SIDE REFERENCE DESIGNATORS
APPROVED		DWG. NO. 701-0480-00 REV. B SHEET 4 OF 4

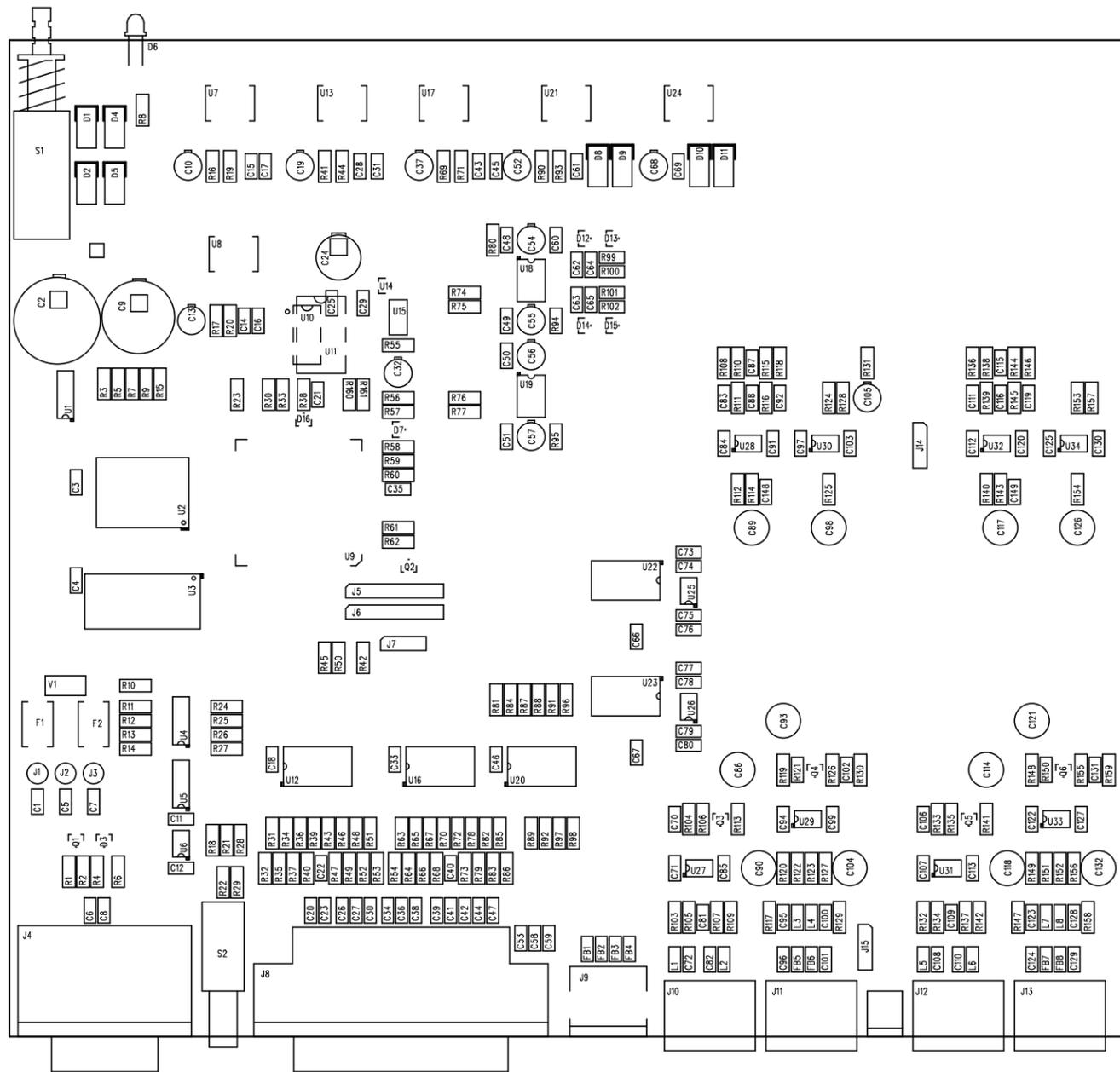
REVISION RECORD				
REV#	ECO #	DESCRIPTION:	DATE:	BY:
A1	052-00	Eliminate pwr switch	1/26/01	JSF



BIAMP SYSTEMS, INC.		10074 S.W. Arctic Drive BEAVERTON, OR 97005	
TITLE: <b>MSP11 M/F SIGNAL PROCESSOR</b>			
COPY DATE STAMP:	SIZE:	DRAWING NO:	REV:
	D	700-0480-00	B
APPROVED:	DATE:	SCALE:	SHEET: 1 OF 1
	01/26/01		







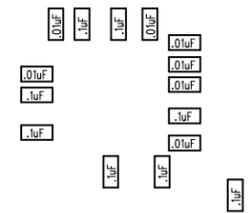
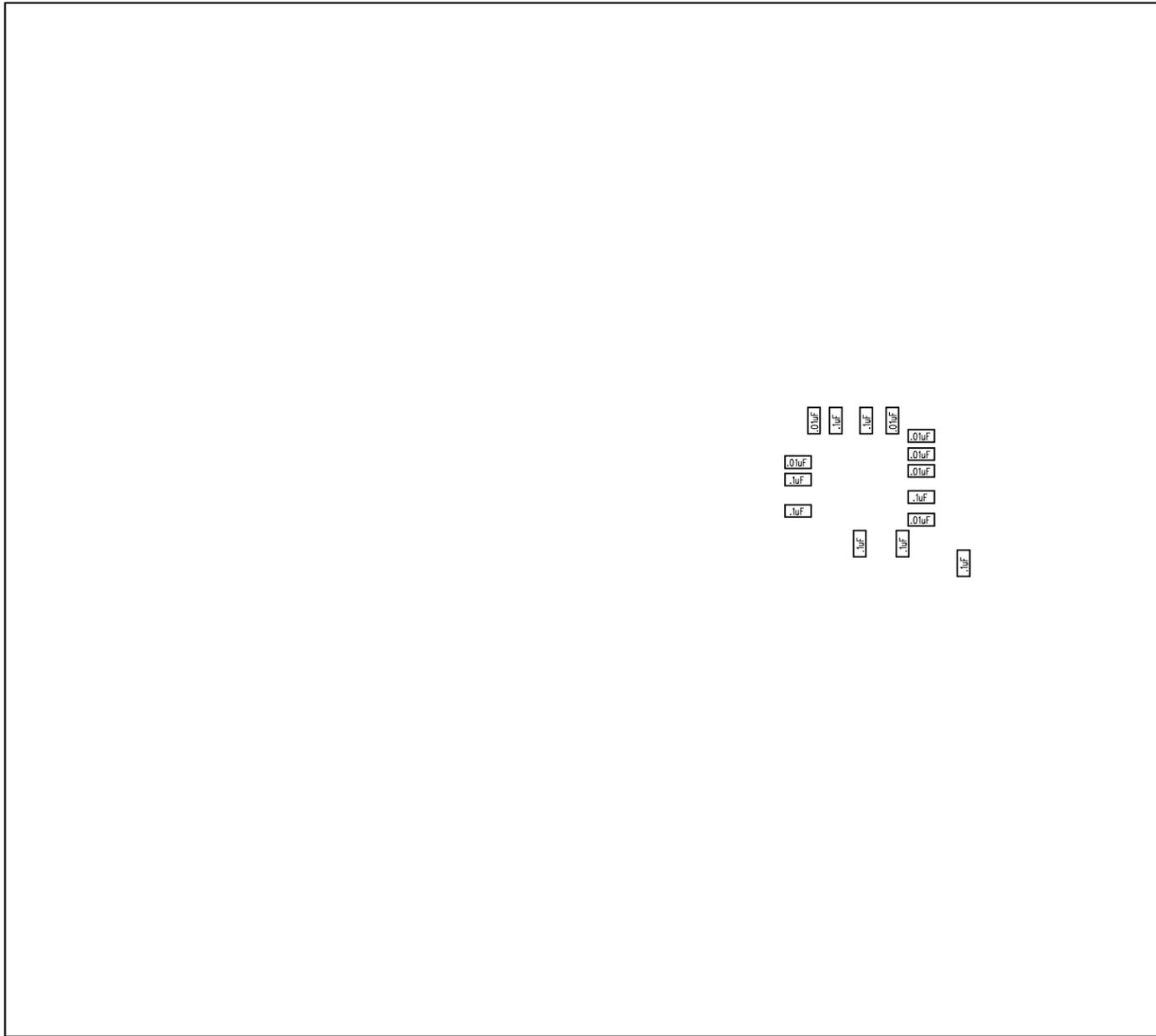
BIAMP SYSTEMS  
 10074 S.W. Arctic Drive  
 Beaverton, OR 97005  
 (503) 641-7287  
**380-0483-01 REV A**  
 MSP22e PCB

DRAWN	VK	BIAMP SYSTEMS, INC		
CHECKED		10074 SW Arctic Drive, Beaverton OR 97005		
DESIGN	090498	LRS	MSP 22e MULTI-FUNCTION SIGNAL PROCESSOR	
APPROVED			TOP SIDE REFERENCE DESIGNATORS	
		DWG. NO.	701-0483-01	REV. A SHEET 2 OF 2

MSP22e PCB  
 380-0483-00 REV C

---

(503) 641-7587  
 Beaverton, OR 97005  
 10074 S.W. Arctic Drive  
 BIAMP SYSTEMS

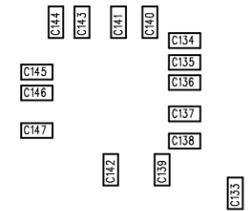
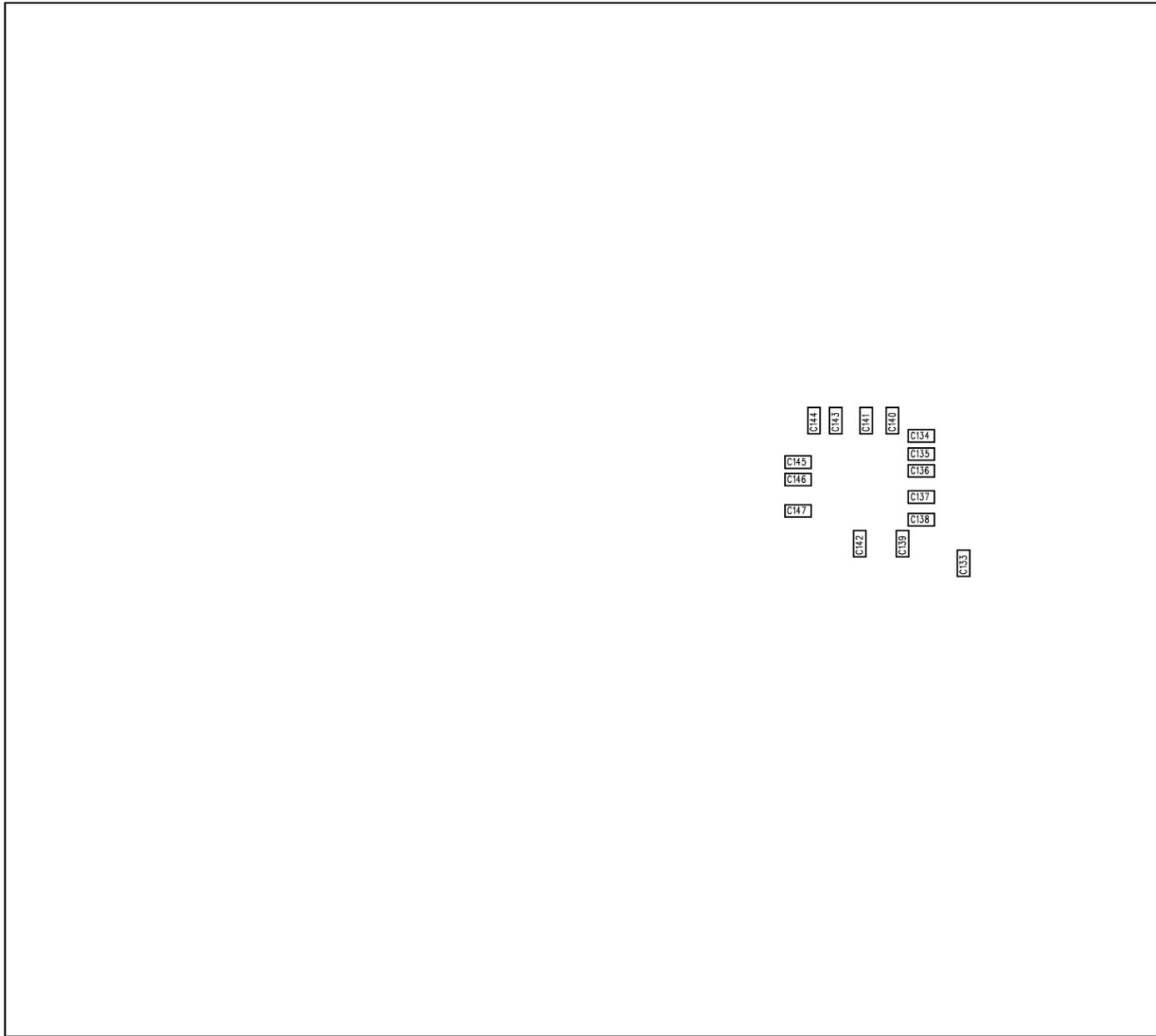


DRAWN		BIAMP SYSTEMS, INC	
CHECKED		10074 SW Arctic Drive, Beaverton OR 97005	
DESIGN	090498	LRS	MSP 22e MULTI-FUNCTION SIGNAL PROCESSOR
APPROVED		DWG. NO. 701-0483-00	REV. C SHEET 3 OF 4

MSP22e PCB  
 380-0483-00 REV C

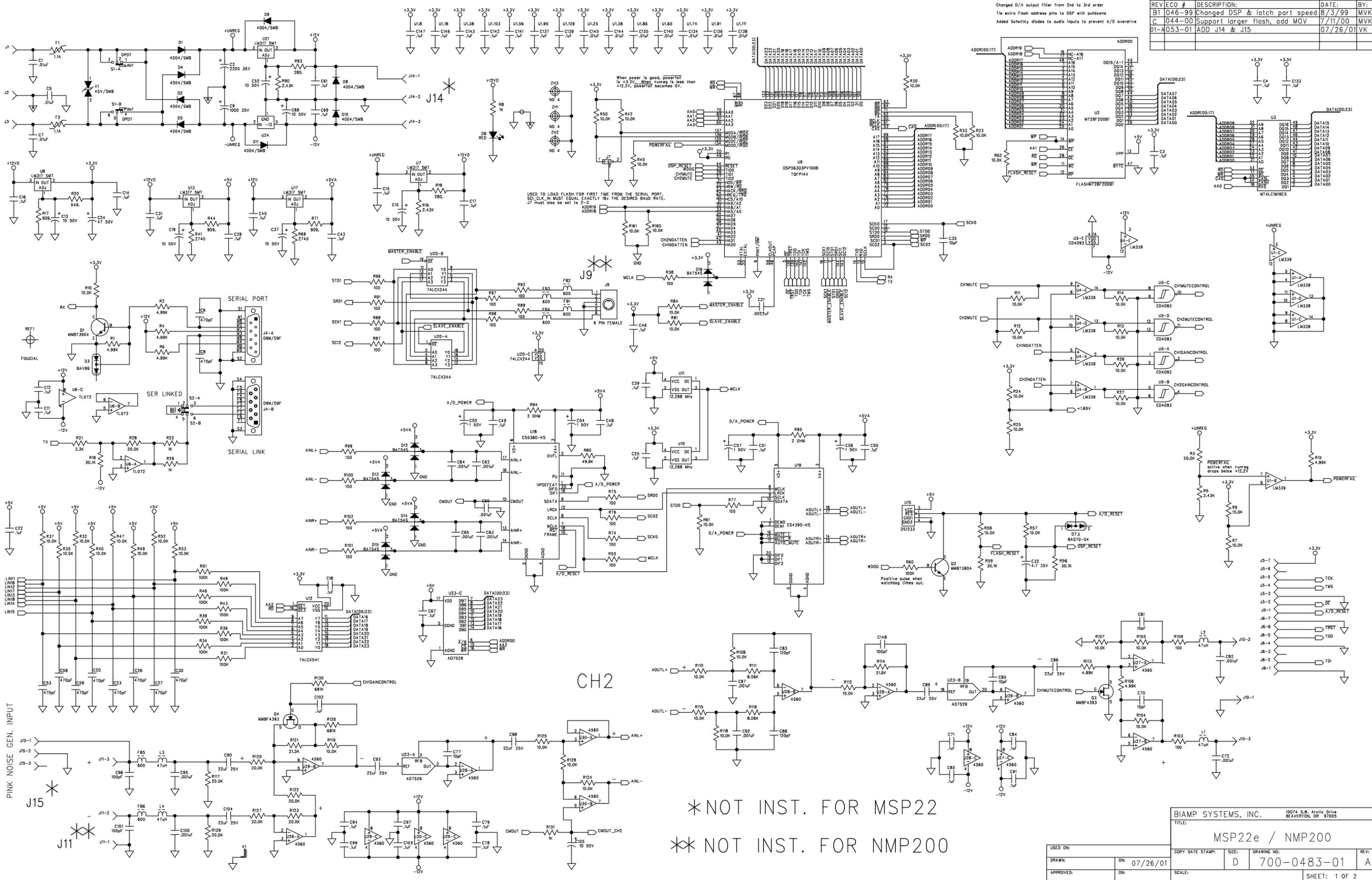
---

(503) 641-7287  
 Beaverton, OR 97005  
 10074 S.W. Arctic Drive  
 BIAMP SYSTEMS



DRAWN		BIAMP SYSTEMS, INC	
CHECKED		10074 SW Arctic Drive, Beaverton OR 97005	
DESIGN	090498	LRS	MSP 22e MULTI-FUNCTION SIGNAL PROCESSOR BOTTOM SIDE REFERENCE DESIGNATORS
APPROVED		DWG. NO.	701-0483-00 REV. C SHEET 4 OF 4

REVISION RECORD				
REV#	ECO #	DESCRIPTION:	DATE:	BY:
B1	046-99	Changed DSP & latch part speed	8/3/99	MVK
C	044-00	Support larger flash, add MOV	7/11/00	MVK
01-A	053-01	ADD J14 & J15	07/26/01	VK



\*NOT INST. FOR MSP22  
 \*\* NOT INST. FOR NMP200

BIAMP SYSTEMS, INC.		10074 S.W. Arctic Drive BEAVERTON, OR 97005	
TITLE: MSP22e / NMP200			
USED ON:	COPY DATE STAMP:	SIZE: D	DRAWING NO: 700-0483-01
DRAWN: ON: 07/26/01	APPROVED: ON:	SCALE:	REV: A
SHEET: 1 OF 2			

REVISION RECORD				
REV	ECO #	DESCRIPTION:	DATE:	BY:

1

2

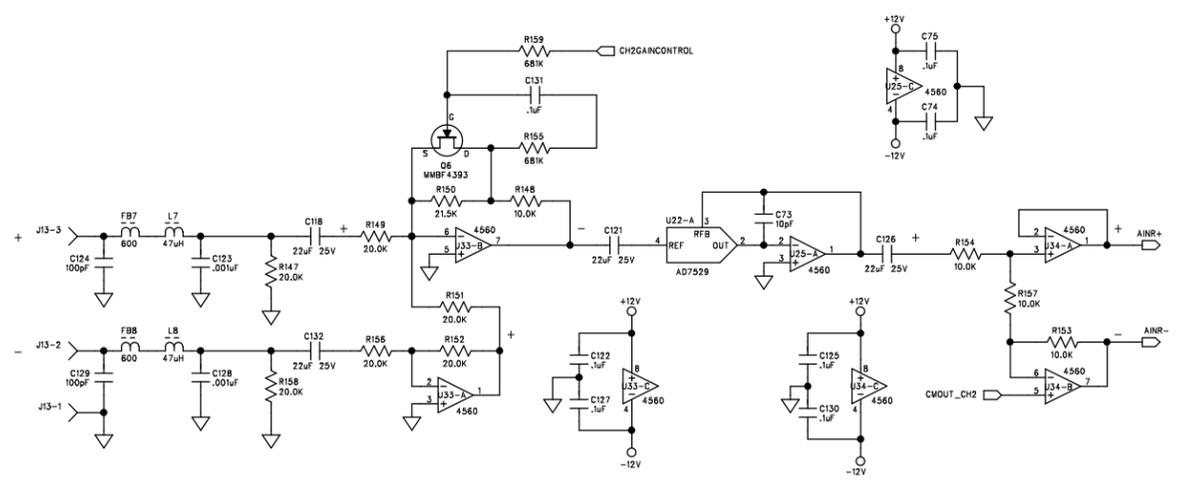
3

4

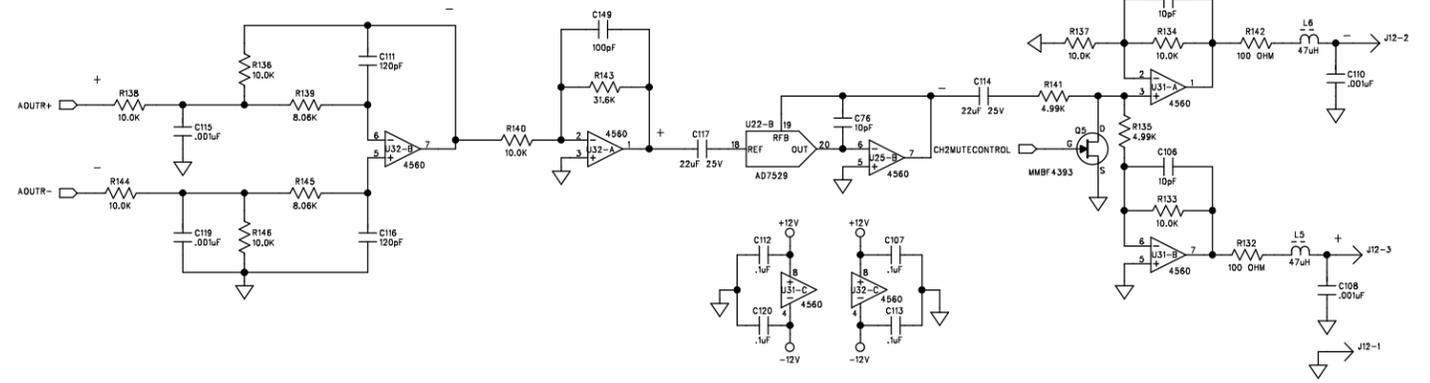
5

6

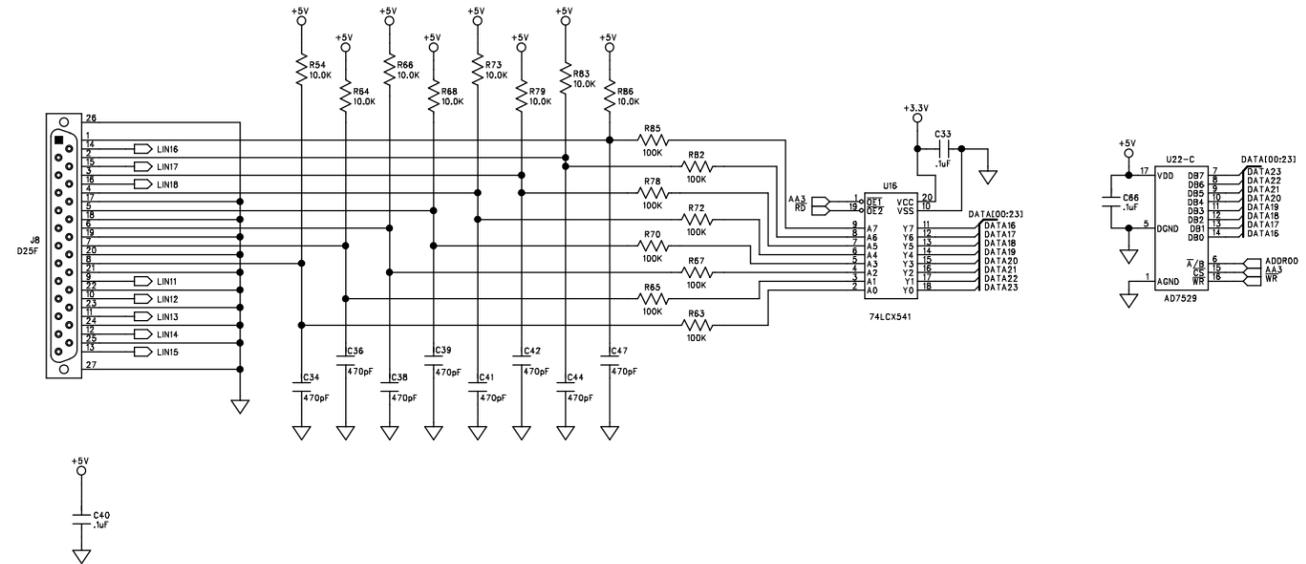
A



CH1



B



C

D



BIAMP SYSTEMS, INC. 10074 SW ARCTIC DRIVE BEAVERTON, OR 97005

MSP22e / NMP200

USED ON:	DATE:	SIZE:	DRAWING NO.:	REV.:
DRAWN:	ON:	D	700-0483-01	A
APPROVED:	DN:	SCALE:	SHEET: 2 OF 2	