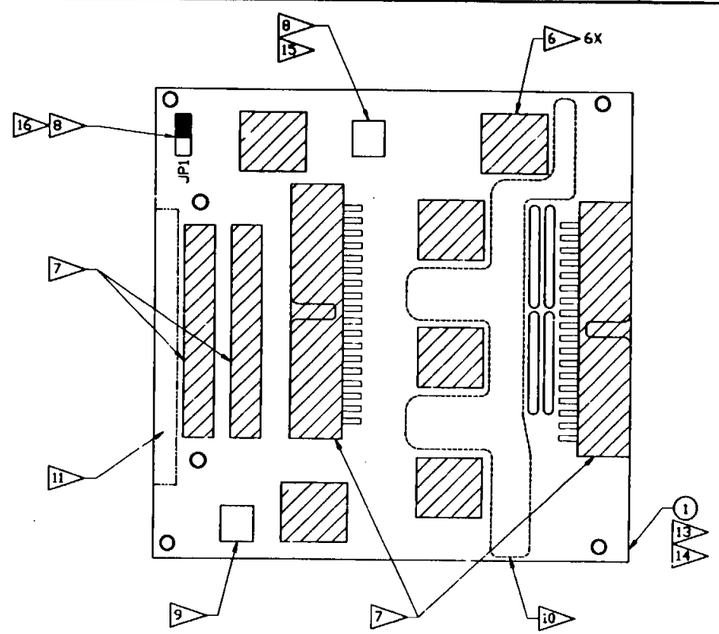
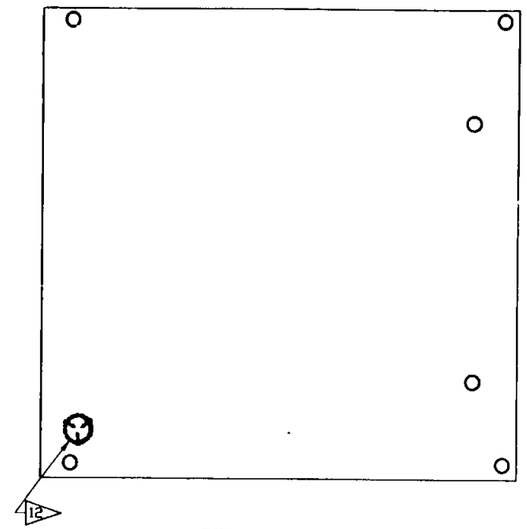


COMPONENT SIDE



SOLDER SIDE

16> SET JUMPER P1 AS SHOWN.

15> VERIFY THAT THE INTEGRATED CIRCUIT PART NUMBER IS R1.1.

14> APPLY CONFORMAL COATING (ITEM 4) THINNED WITH NAPTHA (ITEM 7) TO BOTH SIDES OF BOARD NHB 5300.4 (3J) PARA 3J500, 3J501, AND 3J502.

13> PRIME PER NHB 5300.4 (3J) PARA 3J402 USING PRIMER (ITEM 2).

12> PERMANENTLY INK STAMP ESD SYMBOL IN APPROX. LOCATION SHOWN, USING WHITE MARKING INK (ITEM 3).

11> PERMANENT INK MARK P/N AND SERNO IN .125 HIGH CHARACTERS WITH MARKING INK (ITEM 3) PER JSC-SPEC-M-1, PARA 3.7.8. THE PRODUCTION RUN WILL BEGIN WITH S/N 1001 PER JSC 8500.3. LOCATE APPROX. AS SHOWN.

10> APPLY 3145 STAKING ADHESIVE (ITEM 5) TO COMPONENTS IN THIS AREA THAT ARE NOT SURFACE-MOUNT COMPONENTS.

9> APPLY 3145 STAKING ADHESIVE (ITEM 5) TO COMPONENT.

8> SECURE INTEGRATED CIRCUIT TO SOCKET; SECURE JUMPER TO PIN HEADER USING ADHESIVE (ITEM 5)-SEE DETAIL A. COVER IC AND JUMPER W/ TAPE (ITEM 6). SECURE EDGE OF TAPE TO PWB USING ADHESIVE (ITEM 5). APPLY CONFORMAL COAT (ITEM 4) OVER TAPE. LEAVE COMPONENT COVERED.

7> MASK OFF AREA AS SHOWN INCLUDING CONNECTOR FACE AND DO NOT APPLY CONFORMAL COAT TO THIS AREA.

6> MASK OFF TOP SURFACE OF INTEGRATED CIRCUITS SHOWN.

5> 3M CO., ST PAUL, MN.

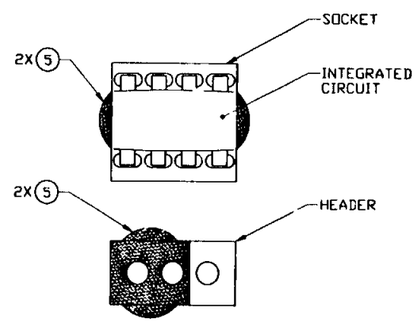
4> INDEPENDENT INK INC., GARDENA CA.

3> PARKS CORP., SOMERSET, MA.

2> DOW CORNING, MIDLAND, MI.

1> BITTWARE RESEARCH SYSTEMS, CONCORD, NH.

NOTES:



DETAIL A

5. APPLY STAKING ADHESIVE PER NHB 5300.4 (3J), PARA 3J600, 3J601, AND 3J602.
4. THIS ASSEMBLY CONTAINS SOME COMPONENTS THAT ARE ESD SENSITIVE. HANDLE PER NHB 5300.4 (3L).
3. THIS ASSEMBLY CONTAINS NO FRACTURE CRITICAL ELEMENTS.
2. CLEANLINESS REQUIREMENTS PER SN-C-0005, GC LEVEL.
1. INTERPRET PER JSCM 8500.

NOTES: UNLESS OTHERWISE SPECIFIED

ALTERED ITEM DRAWING

PART NUMBER	DESCRIPTION	MATERIAL	SPECIFICATION	ITEM
AR 2713	THINNER, NAPTHA		3>	7
AR 5413	TAPE	POLYMIDE/ SILICONE	5>	6
AR 3145	ADHESIVE, STAKING	RTV	2>	5
AR 3140	CONFORMAL COATING		2>	4
AR 73X WHITE	INK, MARKING		4>	3
AR 1204	PRIMER		2>	2
1 BITSI-DVSI	AUDIO DAUGHTER BOARD		1>	1
- -301	SNAGGLETOOTH AUDIO DAUGHTER BOARD			

DIMENSIONAL TOLERANCE UNLESS NOTED OTHERWISE: 0 ± 1, 00 ± .03, 000 ± .010, ANGULAR ± 0

SURFACE FINISH IN MICROINCHES UNLESS NOTED OTHERWISE

NEXT ASSY: SDG46114973

CALC WT:

MOD FILE:

DRW FILE: F114195.dwg

EQUIP TYPE: ☒ FLT HDWR ☐ OTHER (SPECIFY) ☐ APPLICABLE ERE

SIGNATURES	DATE
DR C. NUNEZ	5/15/97
ENG	8/18/97
CH	8/18/97
APP	8/20/97
QE SQE	8/21/97
MATL	8/20/97
STRESS	8/19/97
AUTH	8/18/97

NATIONAL AERONAUTICS & SPACE ADMINISTRATION
LYNDON B. JOHNSON SPACE CENTER HOUSTON, TEXAS

SNAGGLETOOTH AUDIO DAUGHTER BOARD VEG
ALTERED ITEM DRAWING

CODE IDENT NO 21356 | SIZE D | DWG NO SDG46114195

SCALE NONE | J104 | SHEET 1 OF 1

DRAWING CHANGE NOTICE

SHEET 1 OF 2

DCN NUMBER		
DRAWING NO.	REV	SEQ.#
SDG46114195	NC	01

DRAWING TITLE
SNAGGLETOOTH AUDIO DAUGHTER BOARD VEG
ALTERED ITEM DRAWING

PROJECT
B104

REASON FOR CHANGE
ADDED -302 ASSY

ORIGINATOR E. ZARDENETA	DATE 11-03-99	QE R. SENEGAL	DATE 11/5/99
ENG H. CHARLES	10-15-99	MATL H. KAO	11/5/99
CH V. ANTONACCI	10-13-99	STRESS D. VAN	11/8/99
APP L. BAUER	11/4/99		
AUTH		FINAL APP	

1. ADDED -302 ASSY.
2. UPDATE PARTS LIST.

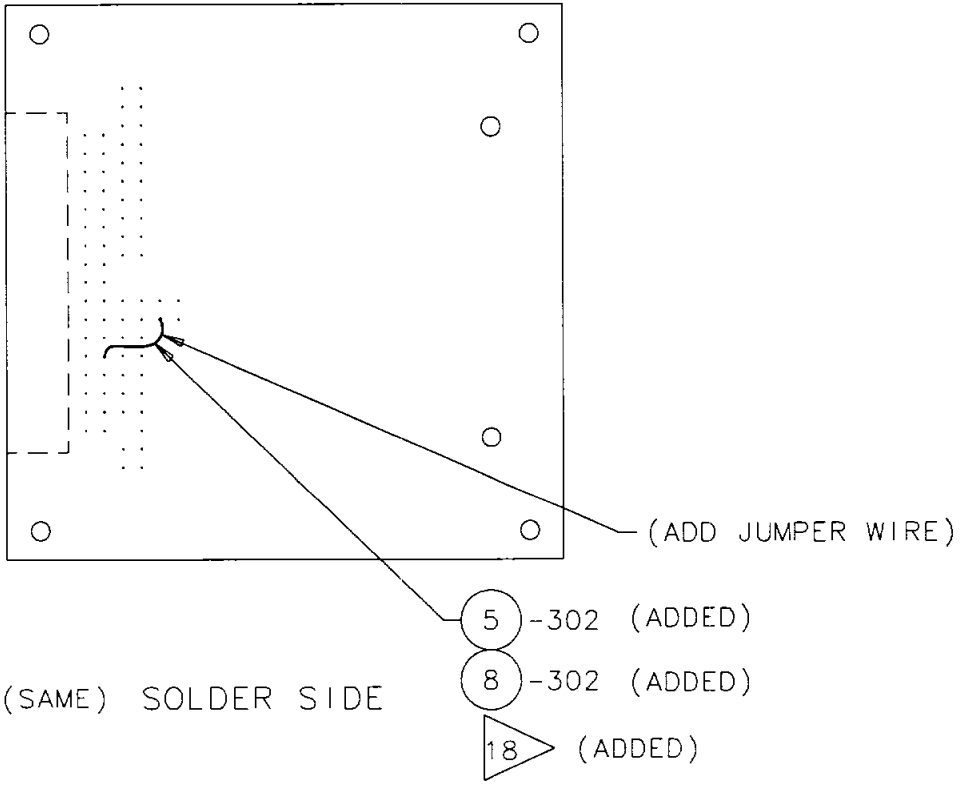
-302	-301	PART NUMBER	DESCRIPTION	MATERIAL	SPECIFICATION	ITEM	(IS) (WAS)
AR		M22759/22-28-9	WIRE, STRANDED, 28 AWG, WHITE	17	MIL-W-22759	8	ADDED
AR						7	
AR						6	
AR						5	
AR						4	
AR						3	
AR						2	
1						1	
-		-302					ADDED
	-	-301					SAME

DWG FILE:46114195NC01 PROJECT:104 WK STA LIBRARY:CIRCUIT BOARDS

DCN NUMBER		
DRAWING NO.	REV	SEQ. #
SDG46114195	NC	01

DRAWING CHANGE NOTICE

2. ADDED FLAG NOTES 17 AND 18.

17 M22759/22-26-9 IS AN ACCEPTABLE SUBSTITUTE.

18 FOR -302, ADD JUMPER WIRE (ITEM 8) BETWEEN THE LEADS OF PIN 25 AND NEARBY CAPACITOR.