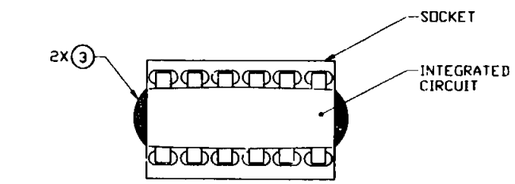
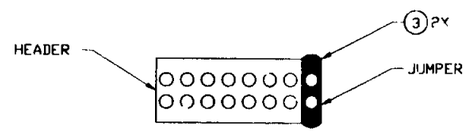
LTR	ZONE	REVISION	DATE	EQUIP TYPE	APPROVAL

9/30/97 NC QH





DETAIL F

(23) SECURE CONNECTOR TO CIRCUIT BOARD. SEE VIEW E-E.

(24) INSTALL GUIDE PIN ASSEMBLY AFTER THE BOARD HAS BEEN TESTED.

(23) PERMANENT INK MARK P/N AND SER NO. IN .125 HIGH CHARACTERS WITH MARKING INK (ITEM 5) PER JSC-SPEC-M-1. THE FIRST PRODUCTION RUN WILL BEGIN WITH S/N 1001 PER JSC 8500.3. LOCATE APPROXIMATELY AS SHOWN.

(22) REMOVE EXISTING FEMALE SCREW LOCK ASSY'S FROM CONNECTORS. REPLACE WITH NEW FEMALE SCREW LOCK ASSY'S (ITEM 13). DO NOT USE LOCKING WASHERS. APPLY ADHESIVE (ITEM 4) TO SCREW THREADS.

(21) MASK OFF THE TOP SIDE OF RV1 & RV2 BEFORE CONFORMAL COATING AS SHOWN IN "VIEW D-D".

(20) MASK OFF AREA SHOWN AND DO NOT APPLY CONFORMAL COAT TO THIS AREA PER NHB 5300.4 (3J) PARA 3J403.

(19) TIGHTEN LOCKING NUT (ITEM 12) SNUGLY, APPLY ADHESIVE (ITEM 4) TO SCREW THREADS IN AREA SHOWN IN "DETAIL E-E".

(18) STAKE COMPONENTS Q1, Q2, Q3, C6, C8, C10, C16 C34, C35, C43, C46, C47, C49, RV1, RV2, TD1, AND B1 PER NOTE 3.

(17) SECURE INTERGRATED CIRCUIT TO SOCKET AND SECURE JUMPER TO PIN HEADER USING ADHESIVE (ITEM 3) - SEE DETAIL F. THEN ENCLOSE/WRAP WITH TAPE (ITEM 14). STAKE TAPE TO PWB WITH A DAB OF ADHESIVE (ITEM 3), THEN CONFORMAL COAT. DO NOT REMOVE TAPE AFTERWARDS - LEAVE COMPONENT COVERED.

(16) SET JUMPER ON PIN 23 FOR "NO IRQ".

(15) SET JUMPER ON PINS 1 AND 2.

(14) DEPRESS SWITCHES 2, 4, AND 5 TO "CLOSED" POSITION TO SELECT BASE ADDRESS 290H. DEPRESS SWITCHES 1, 3 AND 6 TO "OPEN" POSITION SECURE SWITCHES IN IN THEIR POSITION USING ADHESIVE (ITEM 3).

(13) VERIFY THAT THE PART NUMBER OF THE INTEGRATED CIRCUIT LOCATED AT U18 IS 9528007.

(12) VERIFY THAT THE PART NUMBER OF THE INTEGRATED CIRCUIT LOCATED AT U2 IS 9520022.

(11) VERIFY THAT THE PART NUMBER OF THE INTEGRATED CIRCUIT LOCATED AT U1 IS 9501260. IF NOT, REPLACE WITH EPROM INTEGRATED CIRCUIT (ITEM 9).

(10) VERIFY THAT THE PART NUMBER OF THE INTEGRATED CIRCUIT LOCATED AT U23 IS 9503025.

(9) DIGIKEY PART NUMBER A9006-ND IS EQUIVALENT.

(8) PARKS CORP., SOMERSET, MA.

(7) 3M CO., ST. PAUL, MN.

(6) ACCURATE SCREW MACHINE CO., FAIRFIELD, NJ.

(5) LOCTITE CORP., NEWINGTON, CT.

(4) DOW CORNING, MIDLAND, MI.

(3) AMP INC., HARRISBURG, PA.

(2) INDEPENDENT INK INC., GARDENA, CA.

(1) DATUM INC., BANCOM DIVISION, SAN JOSE, CA.

NOTES:

7. ALL REFERENCED SPECIFICATIONS AND STANDARDS SHALL BE OF THE LATEST REVISION LEVEL OR AS SPECIFIED IN THE PROCUREMENT DOCUMENT. IN THE CASE OF CONFLICT, THE PROCUREMENT DOCUMENT SHALL TAKE PRECEDENCE.
6. THIS ASSEMBLY CONTAINS SOME COMPONENTS THAT ARE ESD SENSITIVE. HANDLE PER NHB 5300.4 (3L).
5. THIS ASSEMBLY CONTAINS NO FRACTURE CRITICAL ELEMENTS.
4. PRIME PER NHB5300.4 (3J) PARA 3J402 USING PRIMER (ITEM 16) APPLY CONFORMAL COATING (ITEM 2) THINNED WITH NAPTHA (ITEM 8) TO BOTH SIDES OF BOARD PER NHB 5300.4 (3J) PARA 3J500, 3J501 AND 3J502.
3. APPLY 3145 STAKING ADHESIVE (ITEM 3) TO COMPONENT PER NHB 5300.4 (3J), PARA 3J600, 3J601 AND 3J602.
2. CLEANLINESS REQUIREMENT PER SN-C-0005, GC LEVEL.
1. INTERPRET PER EDS MANUAL JPG 8500.4.

NOTES: UNLESS OTHERWISE SPECIFIED,

ALTERED ITEM DRAWING

-301 PART NUMBER	DESCRIPTION	MATERIAL	SPECIFICATION	-301
AR 1204	PRIMER		(4)	16
1 MS21043-06	NUT, SELF-LOCKING		MIL-M-25027	15
AR 5413	TAPE	POLYIMIDE/SILICONE	(7)	14
4 205817-1	FEM. SCREW LOCK ASSY		(3) (9)	13
2 MS21043-04	NUT, LOCKING	CRES A286 #4 UNJF-3B		12
4 NAS620C4	WASHER	CRES FOR NO.4		11
2 NAS1101E04-7	SCREW, MACH FLAT FILH	CRES A286 .1900-32UNJC-3A X .50		10
AR 950126C	INTEGRATED CIRCUIT, EPROM		(1)	9
AR 2713	THINNER, NAPTHA		(8)	8
2 NAS620C6	WASHER, FLAT REDUCED DIAMETER			7
1 17704-H-SS-12	GUIDE PIN		(6)	6
AR 73X WHITE	INK, MARKING		(2)	5
AR 222	ADHESIVE		(5)	4
AR 3145	ADHESIVE	RTV SILICONE	(4)	3
AR 3140	CONFORMAL COATING		(4)	2
1 BC620AT	BOARD		(1)	1
- -301	COMPONENT ASSY			

SIGNATURES		DATE
DR	N.C. WHITE	5/16/97
ENG		9/18/97
CH		9/18/97
APP		9/18/97
QE		9/18/97
MATL		9/22/97
STRESS		9/16/97
AUTH		9/18/97

NEXT ASSY SEG46114983

CALC WT:

MOD FILE:

DRV FILE: F114196A.dwg

EQUIP TYPE
☒ FLT HDWR
☐ OTHER (SPECIFY)
☐ APPLICABLE GSE

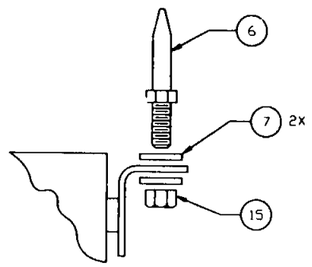
NATIONAL AERONAUTICS & SPACE ADMINISTRATION
LYNDON B. JOHNSON SPACE CENTER HOUSTON, TEXAS

IRIG-B BOARD
HRF-WS
ALTERED ITEM DWG

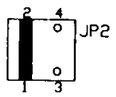
CODE IDENT NO.	SIZE	DWG NO.
21356	D	SDG46114196

SCALE NONE | EAS SE 3104 | SHEET 1 OF 2

053

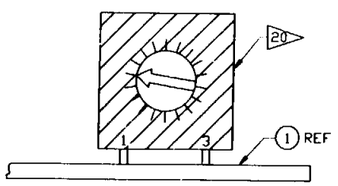


DETAIL A 24

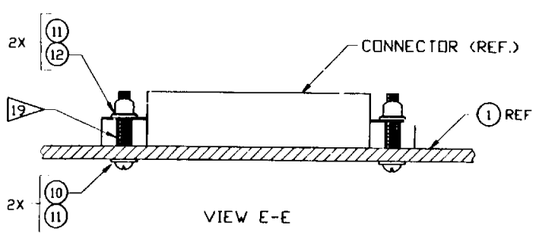


DETAIL B

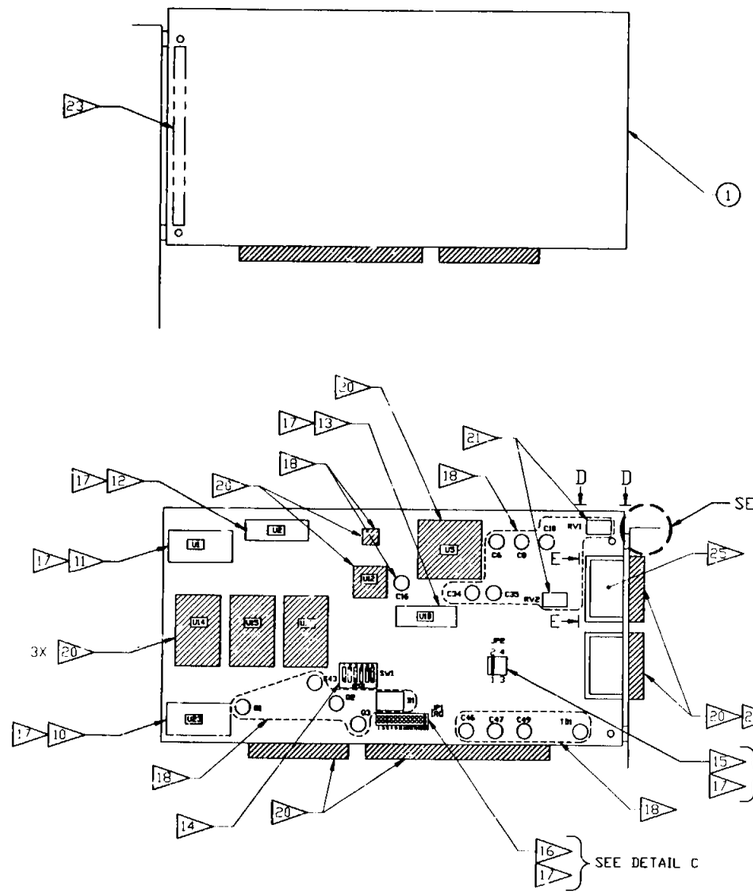
DETAIL C



VIEW D-D



VIEW E-E



-301 COMPONENT ASSY

	SIGNATURES	DATE
	DR N.C. WHITE	5/16/97
	ENG	9/4/97
	CK	9/4/97
	APP	9/4/97
NEXT ASSY SEG46114983	QE	
	MATL	9/22/97
	STRESS	9/4/97
	AUTH	9/24/97

CALC WT:

MDB FILE:

DRW FILE: F114196B.dwg

EQUIP TYPE
☒ FLT HDWR
☐ OTHER (SPECIFY)
☐ APPLICABLE GSE

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

IRIG-B BOARD
HRF-WS
ALTERED ITEM DWG

CODE IDENT NO	SIZE	DWG NO
21356	D	SDG46114196

SCALE NONE EAS SE B104 SHEET 2 OF 2

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