



PROJECT MANAGER  
FIREFINDER

U.S. ARMY ELECTRONICS RESEARCH  
AND DEVELOPMENT COMMAND

FORT MONMOUTH, NEW JERSEY 07703

**HUGHES**

AN ELECTRONIC COMPANY

GROUND SYSTEMS GROUP

# MAINTENANCE BULLETIN

COMMON SHELTER	FILE NO. 132-B	REVISION:
	DATE: 3/14/90	CATEGORY: INSPECTION
SUBJECT: INSPECTION OF DUAL CONTROL CARDS PART NO. 1642189-100	SYSTEMS AFFECTED: ALL	

**THIS BULLETIN ONLY APPLIES TO GENERAL SUPPORT SHOPS (GS)  
AND SACRAMENTO ARMY DEPOT**

## 1. REFERENCES:

a. Page 4-222 thru 4-223 TM 11-5840-363-40 General Support Card Test and Repair Manual for Radar Set AN/TPQ-36 and Radar Set AN/TPQ-37(V).

b. Fig 127, Dual Channel Control Card, TM 11-5840-364-34P, Repair Parts and Special Tools Manual.

2. BACKGROUND: An unknown amount of 1642189-100 Dual Channel Control cards were built with improved 54LS257 microcircuits. This caused intermittent problems within the Radar System. Cards received by the General Support (GS) Shops and Sacramento Army Depot for repairs should contain the unimproved component for U1, U2, U5, U7, U11, and U17. (See attached figure 1 for location of components.) Following is a list of the unimproved components part numbers:

SNJ 54LS257J  
SNJ54LS257AJ  
54LS257DMQB  
SN54LS257JB  
54LS257JB  
S54LS257A/BEA

## 3. ACTION TO BE TAKEN:

a. During the Initial Inspection for repairs of the Dual Channel Control Card (1642189-100) the technician will inspect the 1642189-100 cards to ensure that they contain the unimproved components listed in paragraph 2 above.

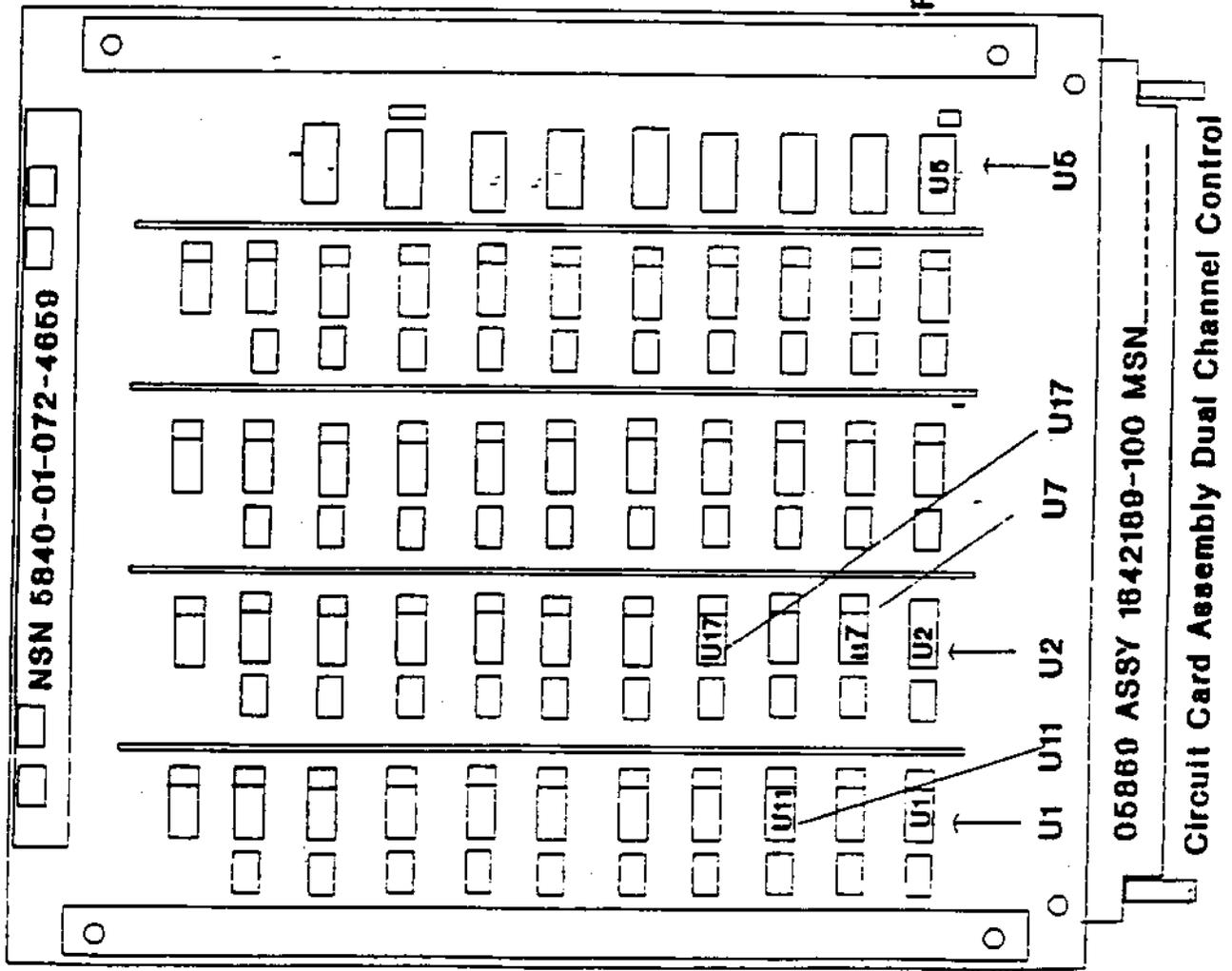
APPROVED BY CHIEF LMD:

PMFF

DATE:

8/9/90

b. If the inspection reveals that any other than the part numbers listed above is found in the indicated locations, then the repair tag should be annotated with a remark to indicate that the card will need to be re-identify with part number 1708261-100 after repairs are completed.



NOTE: SEE  
 TM11-5840-384-34P  
 DATED 31 MAR 1989  
 FIG. 127 PAGE 127.0  
 FOR ADDITIONAL ORIENTATION

FIGURE 1