

PHONE:
 (714)549-3041

FAX:
 (714)549-0930



A Components Corporation of America Company

1139 BAKER STREET
 COSTA MESA, CA.
 92626

	NAME	DATE
ORIGINATOR	E. OGLE	7-19-94
APPROVED	<i>T. Payne</i>	7-22-94
APPROVED	<i>W. Nichols</i>	7/22/94

Design Engineering Technical Bulletin

REFERENCE 12-A-31

ASSEMBLY INSTRUCTIONS

MATRIX ASSEMBLIES WITH
INTERFACE CONTROLLER PRODUCTS

NC	REL PER ER-01-30591	7-28-94	<i>[Signature]</i>
REV.	DESCRIPTION	DATE	APPROVAL
REVISIONS			

The information and design disclosed herein was originated by and is the property of STACOSWITCH, INC. STACOSWITCH, INC. reserves all patent, proprietary, design, manufacturing, reproduction, use and sale rights thereto, and to any article disclosed therein, except to the extent rights are expressly granted to others. The foregoing does not apply to vendor proprietary parts.

© Copyright StacoSwitch
 Inc., 1994

79312	NC
12522	SHEET 1 OF 3

79312

NC

ASSEMBLY INSTRUCTIONS

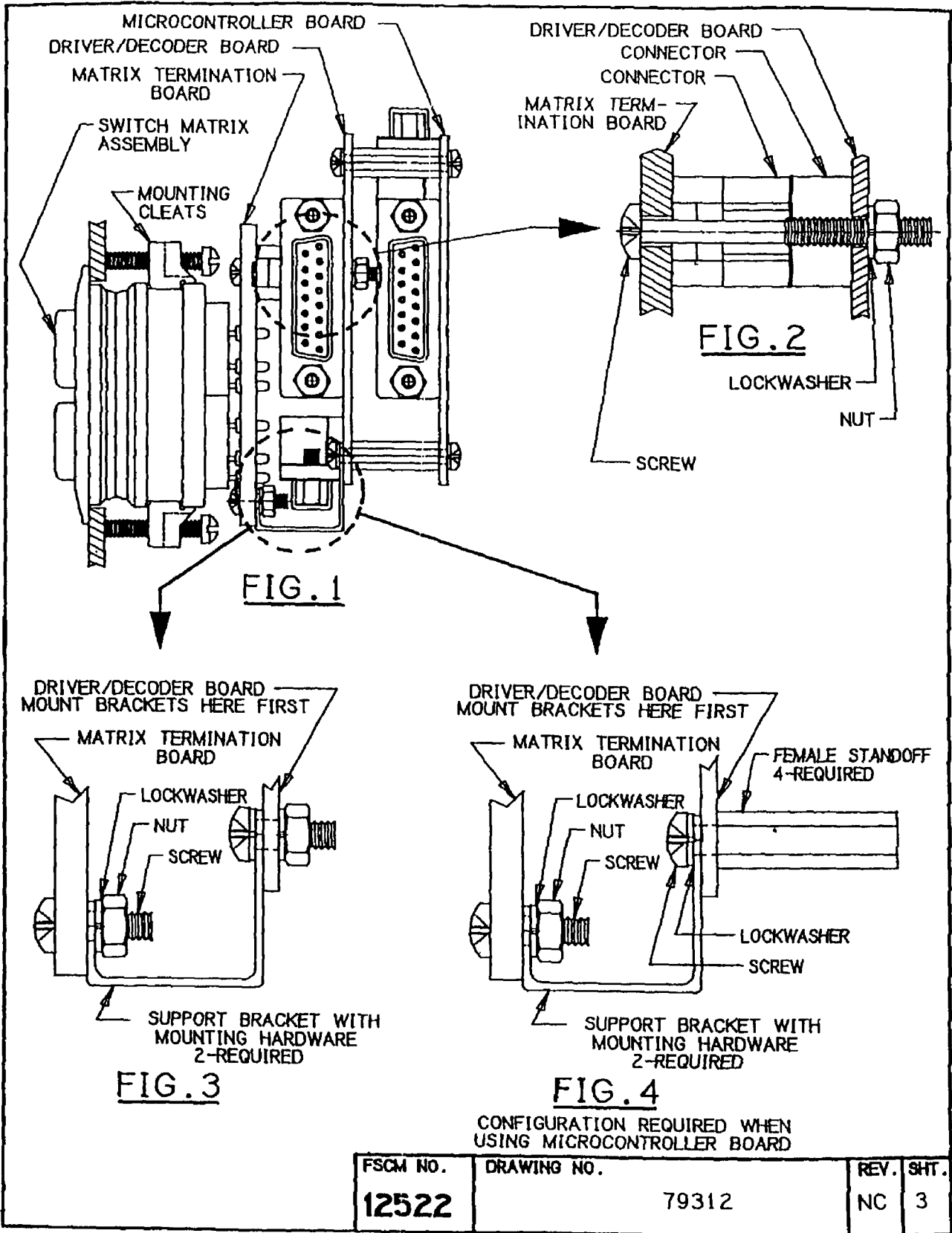
MATRIX ASSEMBLIES WITH INTERFACE CONTROLLER PRODUCTS

The following assembly procedure is recommended where an Interface Controller (IFC) *Matrix Termination* board, a *Driver/Decoder* board and, possibly, an IFC *Microcontroller* board will be attached to the rear switch terminals of a *Matrix Assembly*.

Determine if the microcontroller board will be mounted to the driver/decoder board for this application. If the microcontroller board is used, hardware kit PN: 15215 will be required in addition to hardware kit PN: 15214.

1. First, install the empty matrix frame (without switches) into the mounting panel. Matrix frames with dress bezels are mounted from the front of the panel and secured in place with mounting cleats installed from the rear. Matrix assemblies with mounting flanges are mounted from the rear of the panel and held in place with customer supplied mounting hardware.
2. Now, the matrix termination board and the driver/decoder board are assembled together. This must be done before installing these two boards onto the switch matrix frame. First, mount the two support brackets furnished in hardware kit PN: 15214 onto the driver/decoder board as shown in Fig. 3. Be sure the support brackets face the right direction and the mounting screws and nuts are oriented as shown. If the microcontroller board is used, the four standoffs that support the microcontroller board must be installed onto the driver/decoder board at this time. For this configuration, mount the support bracket and standoff to the driver/decoder board as shown in Fig. 4. Be sure all standoffs face the proper direction. Join the two boards and secure the connectors together using the two long screws with nuts and lockwashers per Fig. 2. Finish mounting the two support brackets to the matrix termination board..
3. Before installing the matrix termination board (with driver/decoder board attached) install the appropriate switch at a centrally located position on the top row. Firmly secure the switch in place with the locking cams. Only install one switch at this time.
4. Now, from the rear of the panel, install the matrix termination board (with driver/decoder board attached) to the switch matrix assembly. Be sure the sockets on the termination board are securely mated to the switch terminals of the one switch.
5. Carefully install and secure the remaining switches, one at a time, from the front of the panel. Be sure the switch terminals remain fully seated in the matrix termination board sockets as additional switches are added. In this way the force required to mate the termination board to the matrix frame assembly is greatly reduced and potential terminal pin alignment tolerance problems are eliminated.
6. Finally, if appropriate, install the microcontroller board to the standoffs previously assembled to the driver/decoder board.

FSCM NO.	DRAWING NO.	REV.	SHT.
12522	79312	NC	2



FSCM NO.	DRAWING NO.	REV.	SHT.
12522	79312	NC	3