FOR YOUR INFORMATION...

Effective January 20, 1996, Vernon Hills will be one of many towns to receive a new area code. Currently, our area code is (708). On January 20, 1996, FUJI America Corporation will begin using the area code (847). Please take a moment to make a note of this. Thank you.

Also, on page 19, we have provided the FUJI Satisfaction Survey which appeared in our June ~ July issue. We are very interested in hearing how we can improve our services to you. Thank you to those of you who have taken the time to fill the survey out. Through your suggestions we will be able to work towards providing you with a quality service which meets your needs. We welcome those of you who missed the first opportunity to fill out the survey on page 19 and FAX it to Valerie Seager at (708) 913 - 0186. Feel free to send any additional comments and/or suggestions, also. Thank you.

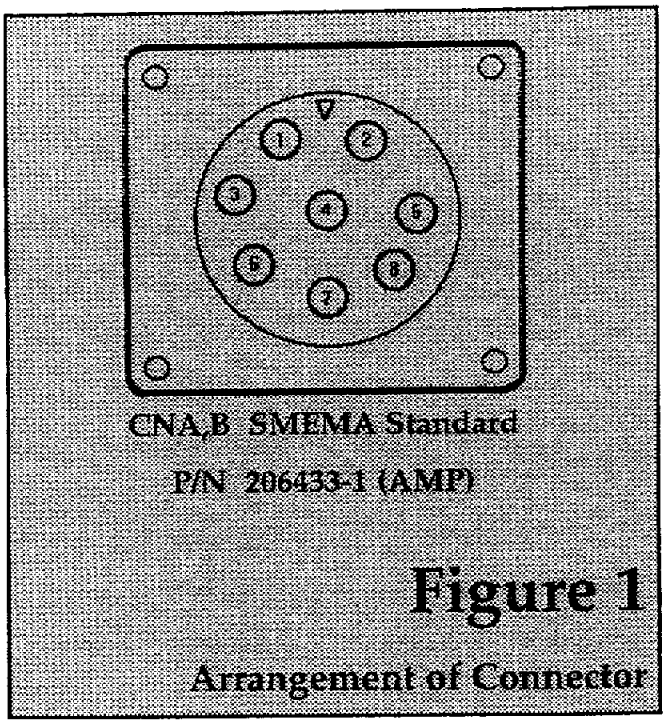

Figure 1
Arrangement of Connector

MACHINE UPDATE

MACHINE INTERFACE SIGNALS

As FUJI America expands its customer base, we periodically get requests for information about interfacing our machines to other manufacturers' machines or conveyors. On pages 2 and 3, we have provided this information for the benefit of our many new customers.

Each FUJI machine is equipped with a SMEMA type input and output connector. Figure 1 illustrates the Pin-out arrangement of the connector.

The best way to present the information is to show the connections to both the input and output side of the FUJI machines (See Figure 2, page 3).

The FUJI machines are designed to provide a 24 Volt D.C. signal at the input and output side of the machine. The numbers in the small round circles refer to the internal wire harness labels for the various signal wires going to the connectors.

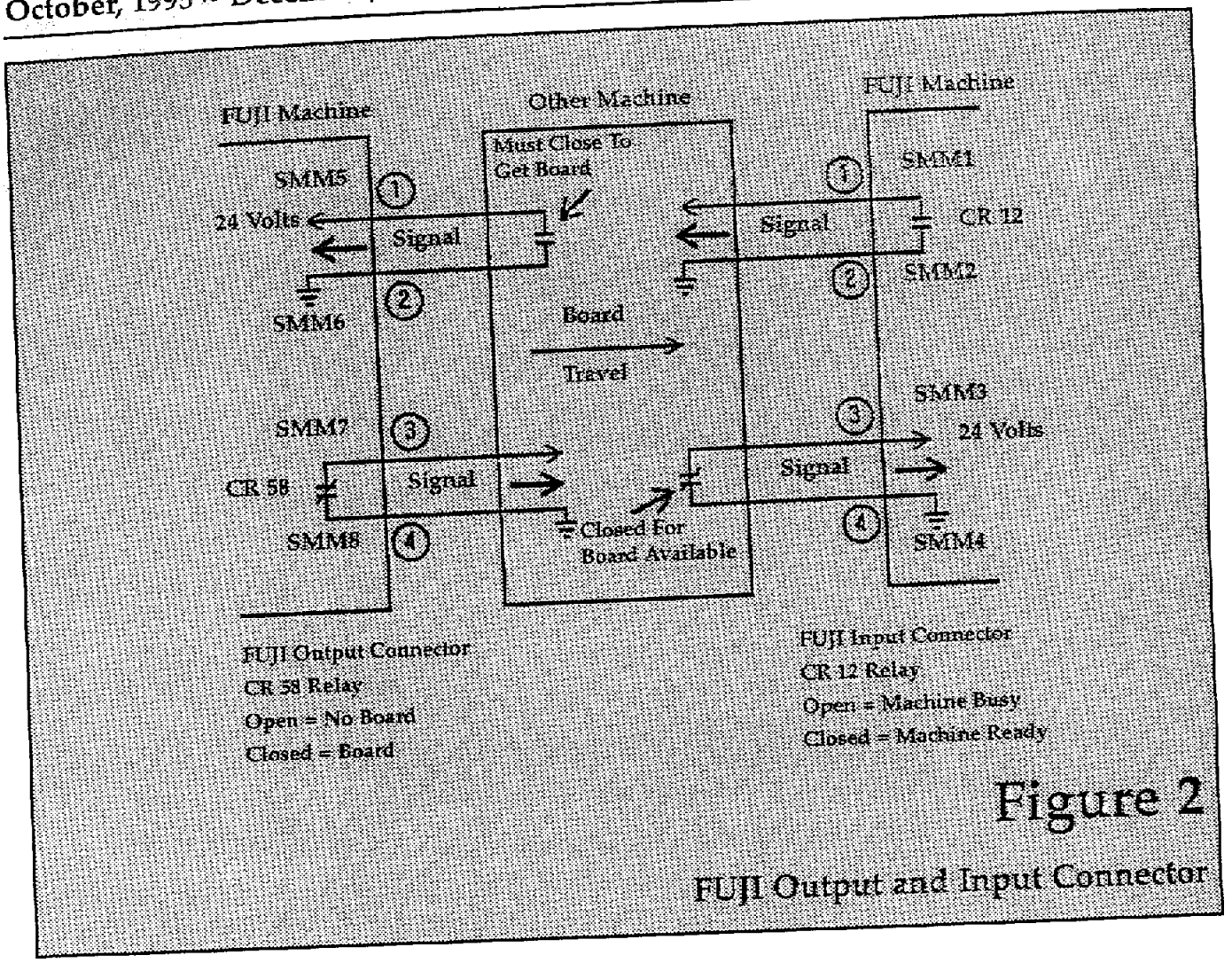

Figure 2

FUJI Output and Input Connector

In Figure 2, the FUJI machine on the left will close a set of contacts on Relay CR 58, which shorts out pins three and four, when the output sensor detects the presence of a completed printed circuit board on the out-conveyor. However, the next unit will not receive a board until it signals that it is ready to receive a board by shorting out pins one and two on the same connector. Also, for the same purpose, most FUJI machines have a parallel output cable, that is labeled SMM5 and SMM6, which is terminated in a Molex type two pin connector. Normally, the relay contacts are rated for 3 Amperes maximum at 24 Volts D.C. In most cases, the currents involved are much less.

At the other side, if the FUJI machine is busy and can not accept a board, then the relay contacts between pins one and two (also SMM1 and SMM2) are open. When the machine is ready for a board, the contacts on relay CR 12 are closed. The FUJI machine also is set up to expect a "Board Ready" signal from the previous machine when the previous machine shorts out pins three and four. If you have any questions, please feel free to call our Service Department.