GE GE □□□ Series Service Manual

531X309SPCAJG1

1. Description

531X309SPCAJG1 Technical Specifications

2. Specifications

Specification	Value
Part	**/ Model Number 531X309SPCAJG1**
Product	**Type Digital Signal Process Board**
Used	**With SDCC Drive Control Card**
Manufacturer	**(OEM) GE Industrial Control Systems**
Product	**Family DC2000 Digital Adjustable Speed Drive**
Series	**Manual GEH-6005**
About	**the 531X309SPCAJG1**
The	**General Electric 531X309SPCAJG1 is a signal processor card from the 531X series. Boards from this family are replacement boards, allowing them to be installed in a range of GE brand drives. Board functions for this signal processor card include local area network (LAN) control board and drive control board I/O processing.**

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531X309SPCAJG1 provides drives with a number of vital I/O processing functions. An interfacing medium between the processor card and externally connected encoders and tachometers is provided by the device. All interfacing communications provide speed feedbacks that are relayed to the drive’s control board. It also converts the three current reference signals and the voltage level signal into voltage reference signals. These signals are then sent to the drive’s control board for command execution. RS-422 serial signals can also be processed with this board. After processing, those signals are then sent to the motor control processor found on the drive. Included on the card are a number of configurable switches, jumpers, and potentiometers. These allow for users to be able to freely configure settings like signal filtering, and gains.

Be sure to meet all installation parameters provided by the card’s manufacturer. Following these provided instructions will reduce the risk of device accidents or damages. For device and user safety, only allow qualified personnel who are trained to handle boards to install this 531X309SPCAJG1 signal processing card. A complete wiring and installation guide for this card can be found in the device manual and datasheet. General Electric, the card’s manufacturer, was the original provider of technical support.

PC BOARD

SIGNAL PROCESSOR CARD

531X SERIES

FOR GE DRIVES

RS-422 SERIAL CONNECTOR

SCREW TERMINALS