

SIB™ 810 Smart Interface Board

Multi-Process Controls

Microprocessor based controller that supports local I/O requirements



WHY BUY THIS PRODUCT

Cost effective appliance design for manufacture

- Reduced OEM labor costs. All elements resident on relay board eliminates point-to-point wiring during assembly

Reduced customer support costs

- Adaptability and serviceability enabled by using (FAST.Edit)® software configuration tool
- Durable solid-state design provides longer life than antiquated mechanical controls
- Advanced diagnostics enhance appliance troubleshooting

Additional Value Provided to Your Foodservice Customers

- On board logic allows for automation of previously laborious tasks that operators had to perform; thereby improving consistency, quality, and safety

Innovatively Differentiate Your Products from the Competition

- Stand-alone or integrated appliance controller for those who prefer individual selection of the user interface and the I/O board
- Adaptability for use across multiple appliances minimizes inventory SKUs, manufacturing assembly drawings, and assembly training time.
- Extensive list of optional software features
- Optional communications allows connectivity for HACCP reporting and links to automated kitchen systems

Product Features

- A mix of analog and digital connectivity, allowing 8 inputs and 12 outputs
- Optional user interface modules to be mounted remotely from controller
- Save energy dollars and prolong appliance life with exclusive Kitchen Brains™ features such as Setback, SMS (Service Maintenance Scheduling), auto repair, and more
- Multiple software selectable configurations and appliance control parameters
- Programmable duty cycle flexibility to monitor and manage multiple processes such as time, temperature, motor control, dampers, circulating pumps, solenoids, actuators, clean mode, detergent dispensing, refrigeration defrost and more
- Flexible design allows a wide range of feature selection including Kitchen Brains™ patented Setback, (FAST.Flex)™ time, comprehensive diagnostics and communications
- On-board variable frequency output for motor control (PWM)
- Optional board outputs for applications that demand long switch life and operations in demanding environments
- RoHS compliance reduces hazardous substances and meets all domestic and international standards

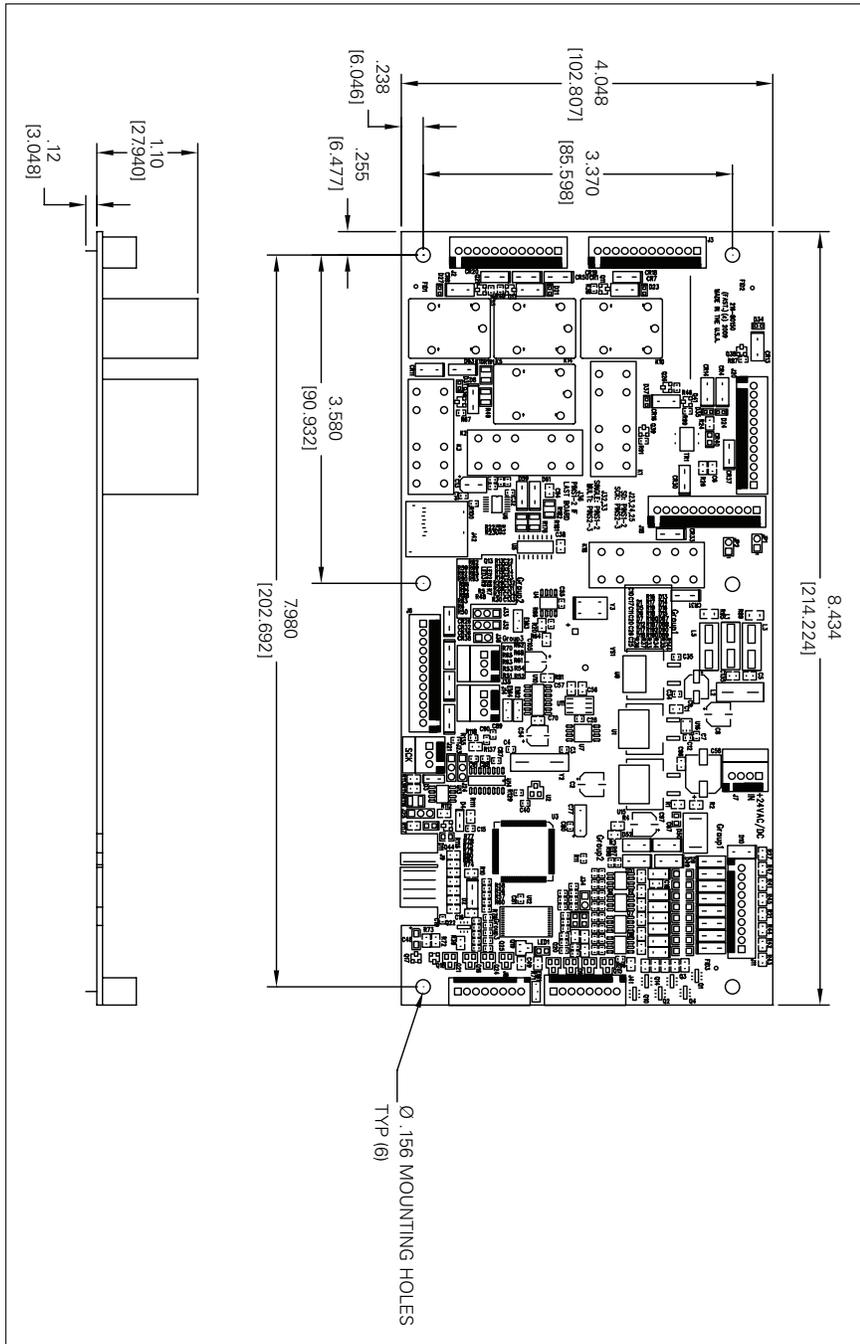
Interchangeable (FAST.Connect)™ Architecture enables integrating a user interface board with the right I/O board companion.

Popular Appliance Applications

- Convection, Conveyor & Hold Ovens
- Microwave/Combi/Convection Ovens
- Ovens
- Warewashers

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DIMENSIONS ARE SHOWN IN INCHES AND MILLIMETERS

SPECIFICATIONS

- Input Voltage: 24VAC or 24VDC
- Power Consumption: Not to Exceed 40VA
- Temperature Probe Inputs: Thermistor or RTD. (7) Analog Channels.
- Inputs: (8) 24VDC Digital Inputs
- Outputs/Type: 8 SPST, 4 Relay Drivers
- Load Voltage/Current: 24VDC
- Temperature Accuracy: +/- 3 degrees
- Temperature Mode: Fahrenheit or Celsius
- Visual Displays: LED Indicators for Energized Relay
- Environmental Operating Conditions: Ambient 158°F/70°C, 95% non-condensing humidity
- Consult factory for conformal coat options.
- Other Product Specifications: SD Card

SHIPPING WEIGHT

- Approx. 10 lbs. [4.53 Kg]

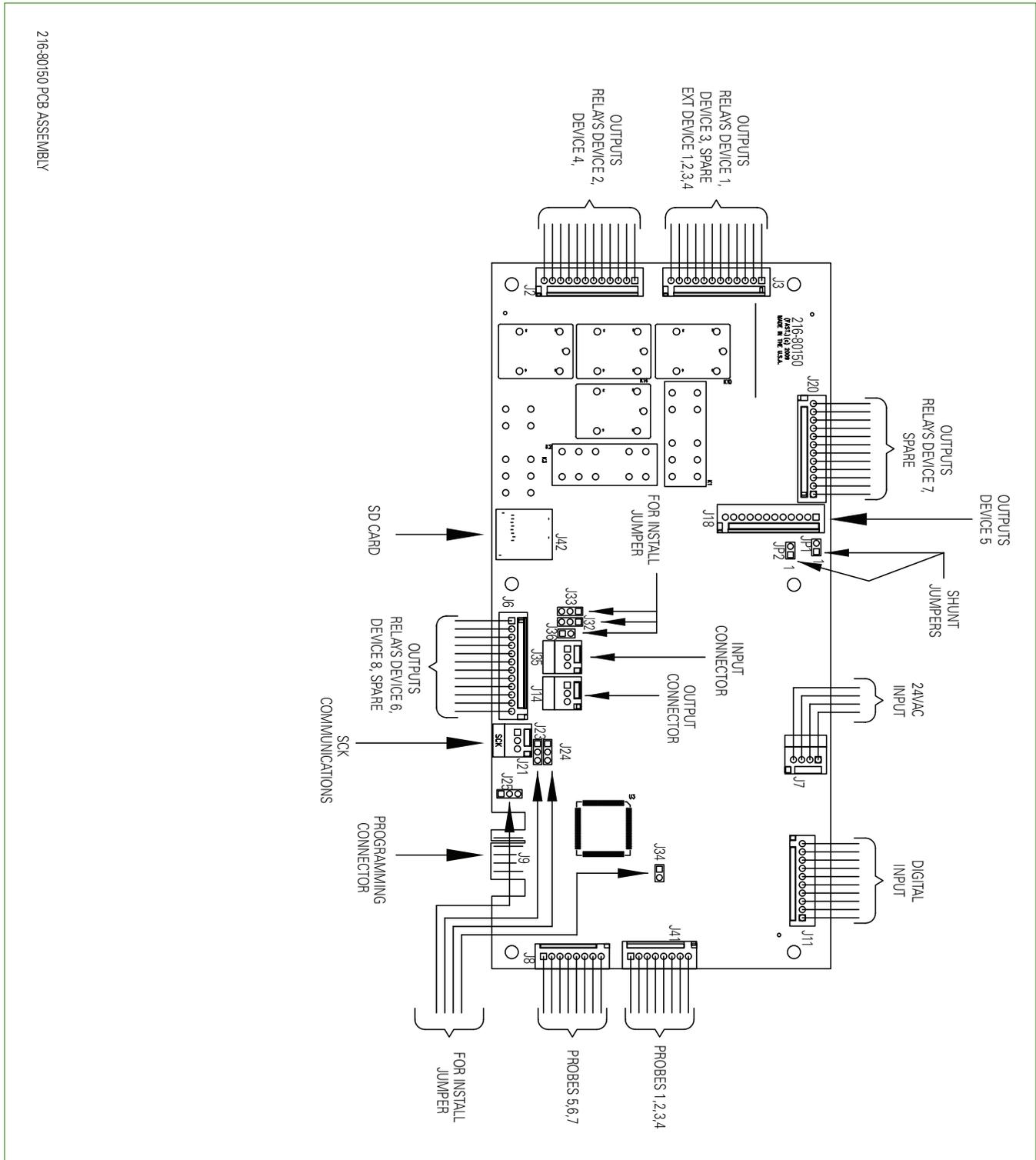
ORDER INFO

Part Number	Description	Case Qty
216-80150-01	SIB 810	10

Agency approvals pending.

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216-80150 PCB ASSEMBLY

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Multi-Process Controls

Want to learn more about Kitchen Brains™ products?

Visit our website to learn about additional controls for our appliance partners:

www.KitchenBrains.com



229-51435



KITCHEN BRAINS

Driven by **(FAST)™** Networked by **SCK**

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Family Applications

Air Boilers	Bain Marie	Beverage Dispensing
Broilers	Buffets	Cheese Melters
Coffee Dispensing	Dishwashers	Drawer Warmers
Freezers	Fryers	Grills/Griddles
Holding Cabinets	Ice Machines	Jacketed Steam Kettles
Laundry Equipment	Marinators	Ovens (Combi, Micro...)
Pasta Cookers	Product Mixers	Proofers
Refrigerators	Rethemalizers	Smokers
Steam Tables	Toasters	...and Others

Appliance Partner Business Advantages:

Kitchen Brains™ controls differentiate appliances and create more sales opportunities for our appliance partners by enabling:

- consistently high food quality that increases restaurant output
- lowest lifetime cost of ownership that reduces restaurant operational budgets

Appliance partners become more operationally effective through:

- single control solution for an entire appliance vs. individual multiple mechanical components (e.g. timer, buzzer, thermostat, displays, remote indicator lamps) reduces overall appliance cost
- easy software reconfiguration capabilities that allow support of multiple applications by a single controller
- flexible delivery and Kan-Ban stocking programs
- multi-faceted team of sales and design professionals available to assist you and your customers

WARRANTY

Kitchen Brains warrants all new timers, computers, and controllers for 1 year from the date of purchase including computers, controllers, and timers. Kitchen Brains warrants all other items for a period of 90 days unless otherwise stated at the time of purchase.

PATENTS

The products manufactured by Kitchen Brains are protected under one or more of the following U.S. Patents:

5,331,575	5,539,671	5,711,606	5,723,846
5,726,424	5,875,430	6,142,666	6,339,930
6,401,467	6,581,391	7,015,433	7,650,833
7,877,291	8,060,408		

Plus foreign patents and patents pending. Plus licensed patent 5,973,297

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