

# **Model SC17**

**Connector Adapter, 68S High Density**

## **User's Manual**

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# Serial Controller, Cable Interfaces

**SC15 controls and monitors the signal conditioning chassis**

**SC15 - SC17**

## Features

### SC15 Serial Controller:

- RS-232 interface for control and monitoring modules in the V710 active termination panel
- Pass-through capability for multiple V710 chassis
- Logical address supports up to 256 SC15 controllers
- Supports serial data rates from 50 baud to 38,400 baud
- Includes a straightforward set of nine ASCII commands
- SC15-AB11 includes a calibrator and reference for the SC21 bridge signal conditioner

### SC16 Cable Interface:

- Includes two 50-contact high-density connectors
- Pinout matches V200 channel input paths

### SC17 Cable Interface:

- Includes one 68-contact high-density connector
- Pinout matches V213 Channel input paths

## General Description *(Product specifications and descriptions subject to change without notice.)*

The SC15 is a serial controller for the V710. It is packaged in a 3U (5.25") high, 220 mm (8.7") deep, module. It controls and monitors the signal conditioning plug-in cards in the V710 termination panel chassis. A standard RS-232 serial port is connected to the Port A connector on the SC15. If a system contains multiple V710 panels, Port B on the first SC15 is connected to Port A on the second SC15. This is repeated for all remaining SC15s. Each SC15 can be set to one of 256 logical addresses and serial data rates from 50 to 38,400 baud. The address and the baud rate are set by switches on each SC15. The command set includes nine ASCII commands. These commands include a global reset and eight additional commands that are addressed to individual signal conditioning modules. The signal conditioning modules can be set to provide ASCII asynchronous event notification messages (such as a SC20 indicating that an excitation alarm is present, for example). Port A and Port B utilize DE9P connectors.

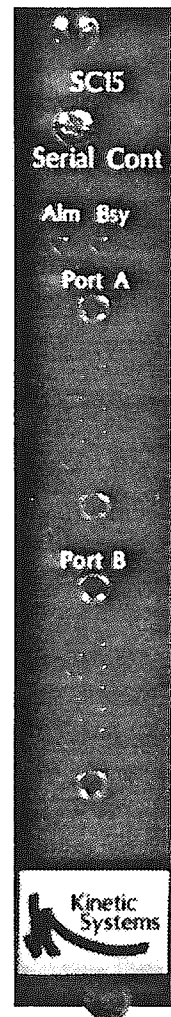
The SC16 is a connector adapter that contains two 50S high-density connectors, for use with the V200 200,000 sample/s Sigma-delta ADC. The pinout on these connectors matches that on the V200. The SC17 is a connector adapter that contains one 68S high-density connectors, for use with the V213 32-channel ADC. The pinout on this connector matches that on the V213. The SC16 or the SC17 card is affixed on the rear of the V710, depending upon the host ADC to be used with the signal conditioning modules.

## Ordering Information

Model SC15-AA11	Serial Controller
Model SC15-AB11	Serial Controller with Calibrator and Internal Reference
Model SC16-AA11	Connector Adapter, Two 50S High Density Connectors (SC20/V200)
Model SC17-AA11	Connector Adapter, One 68S High Density Connector (SC20/V213)
Model SC17-AA21	Connector Adapter, One 68S High Density Connector with Calibration Connector (SC21/V213)

## Related Products

Model 5930-Z1A	Connector - DE9S - 9 Contact, Sockets (1 or 2 per SC15)
Model 5911-Z1A	Connector - 2-contact plug-type LEMO (for the SC17-AA21)



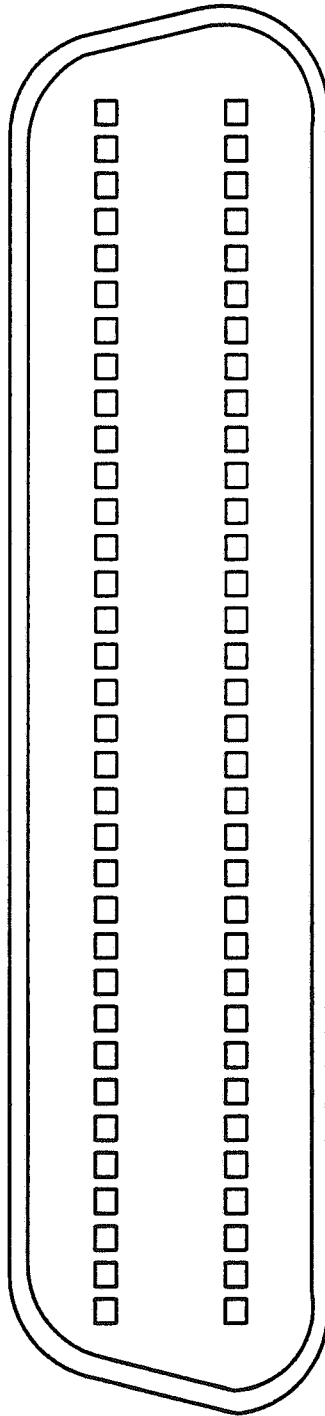
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<b>SC17 68 Pin High Density J1 Connector</b>			
Sig 1	1 J1	Ret 1	35 J1
Sig 2	2 J1	Ret 2	36 J1
Sig 3	3 J1	Ret 3	37 J1
Sig 4	4 J1	Ret 4	38 J1
Sig 5	5 J1	Ret 5	39 J1
Sig 6	6 J1	Ret 6	40 J1
Sig 7	7 J1	Ret 7	41 J1
Sig 8	8 J1	Ret 8	42 J1
Sig 9	9 J1	Ret 9	43 J1
Sig 10	10 J1	Ret 10	44 J1
Sig 11	11 J1	Ret 11	45 J1
Sig 12	12 J1	Ret 12	46 J1
Sig 13	13 J1	Ret 13	47 J1
Sig 14	14 J1	Ret 14	48 J1
Sig 15	15 J1	Ret 15	49 J1
Sig 16	16 J1	Ret 16	50 J1
Sig 17	17 J1	Ret 17	51 J1
Sig 18	18 J1	Ret 18	52 J1
Sig 19	19 J1	Ret 19	53 J1
Sig 20	20 J1	Ret 20	54 J1
Sig 21	21 J1	Ret 21	55 J1
Sig 22	22 J1	Ret 22	56 J1
Sig 23	23 J1	Ret 23	57 J1
Sig 24	24 J1	Ret 24	58 J1
Sig 25	25 J1	Ret 25	59 J1
Sig 26	26 J1	Ret 26	60 J1
Sig 27	27 J1	Ret 27	61 J1
Sig 28	28 J1	Ret 28	62 J1
Sig 29	29 J1	Ret 29	63 J1
Sig 30	30 J1	Ret 30	64 J1
Sig 31	31 J1	Ret 31	65 J1
Sig 32	32 J1	Ret 32	66 J1
GND	33 J1	GND	67 J1
GND	34 J1	GND	68 J1

**SC17 68 Pin High Density J1 Connector  
Female Socket**

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