

**SC16 Main Rack Order Codes<sup>1</sup>**

SC16 System	Main SC16 rack with slots for 16 signal conditioners, CPU, filter/control cards and power supply.
SC16-PL000	SC16 Signal Conditioning Unit (as above) with no A/D Card
SC16-PL16HD	SC16 Signal Conditioning Unit (as above) with 16 bit A/D, USB & Disk Storage
SC16-DT9801	SC16 Signal Conditioning Unit with 12 bit DT-9801 USB Card
SC16-DT9803	SC16 Signal Conditioning Unit with 16 bit DT-9803 USB Card

**Signal Conditioner Order Codes**

SC-B8644-R	Strain Gauge Conditioner with Excitation, Anti-Aliasing Filters and Bridge Completion Resistors for Quarter Bridge at 120Ω, 350Ω and 1KΩ
SC-B8644	Strain Gauge Conditioner with Excitation and Anti-Aliasing Filter (no BCR)
SC-B8645	K Type Thermocouple Conditioner with 100, 200, 500 & 1000°C ranges
SC-B8645J	J Type Thermocouple Conditioner with 100, 200, 500 & 1000°C ranges
SC-B8646	F / V Instantaneous Conditioner (0 to 10 kHz), Mini Coaxial Plug included
SC-B8823	A/C LVDT Signal Conditioner
SC-B8825	Charge Amplifier
SC-B8833	ICP Conditioner (AC amplifier with constant current excitation)
SC-B8902	Flowmeter Conditioner
SC-B8986	High Level Voltage (HLV) with ±15V power outputs, "autozero", backoff and anti-aliasing filter

**Bridge Completion for Strain Gauge Conditioner (SC-B8644):**

SC-1/2-BCR	Half Bridge at any of the impedance below
SC-1/4-BCR1	Quarter Bridge for 120Ω
SC-1/4-BCR 2	Quarter Bridge for 350Ω
SC-1/4-BCR 3	Quarter Bridge for 1 KΩ
SC-1/4-BCR 12	Quarter Bridge for 120 <b>and</b> 350Ω
SC-1/4-BCR 13	Quarter Bridge for 120 <b>and</b> 1 KΩ
SC-1/4-BCR 23	Quarter Bridge for 350 <b>and</b> 1 K Ω
SC-1/4-BCR 123	Quarter Bridge for 120 <b>and</b> 350 <b>and</b> 1 KΩ

**Documentation and Software**

*SCMANUAL	SC16 Instructions Manual
*SCWIND	SC16 Set-Up Software
SCDAS	SC16 Data Acquisition Software

**Power Supplies**

*SCSA45*	Mains Power Adapter
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**Cables and Leads**

*L-AC	Mains Power Cable
*L-DC	DC Power Cable
*L-RS232	RS232 Serial Cable
L-USB2M	USB Cable (2M)
L-USBXX	USB Cable where XX is length in metres (e.g. 3m)

## Cables and Leads (cont.)

*L-BNC-MC	BNC to Minicoax Cable
L-0B30501	Strain Gauge Screened Flying Lead (1m), Lemo Plug to bare wire.
L-0B305XX	Strain Gauge Screened Flying Lead, where XX is length in metres (e.g. 3m)
L-SGEXT01	Strain Gauge Screened Extension Lead - Lemo Plug to Lemo Socket (1m)
L-SGEXTXX	Strain Gauge Screened Extension Lead - Lemo Plug to Lemo Socket, where XX is length in metres (e.g. 3M)
L-0B30BNC1	Cable - Lemo Plug to BNC Plug (1m)
L-0B30BNCX	Cable - Lemo Plug to BNC Plug, where XX is length in metres (e.g. 3M)
L-0B305TB1	Cable - Lemo Plug to 5 way Terminal Block (1m)
L-0B305TBX	Cable - Lemo Plug to 5 way Terminal Block, where XX is length in metres (e.g. 3M)
L-37W1SCU	Ribbon Cable to link 1 SC16 systems to USB Box
L-37WXSCU	Ribbon Cable to link X SC16 systems to USB Box
L-37M37FXX	Screened Cable DB37M to DB37F connector, where XX is length in metres (e.g. 3M)
L-YRS232	Serial Cable (RS232) Y Cable to connect 2 x SC16 to PC Serial Port
L-XRS232	Serial Cable (RS232) to connect X SC16x (2 - 8) to PC Serial Port
L-MCM-BNCF-XX	Cable with Male Mini-Coax to Female BNC Connector, where XX is length in metres (e.g. 3M)
L-DB37-BNCF-XX	Harness Cable with 37DB connector to 16 BNC Male Connectors, where XX is length in metres (e.g. 3M)
L-DB37-QX3SG	Cable with DB37F IDC Connector to 2 x QX3 Strain Gauge Connectors, where XX is length in metres (e.g. 3M)

## Connectors

*C-IDCJMP	IDC Mini Jumper
C-COAXM	Mini Coax Plug
C-0B305P	Lemo Connector (0B305) Plug

## Associated Hardware

H-B8960	20mA Current Loop Power Supply (4 Channels)
H-B8827	Strain Gauge Breakout Box
H-B8967	BNC Monitor Box
H-B9136	Strain gauge Jumper Monitor
H-B9177	External F/V Module

## Tools, etc.

*T-TXT20	T20 TORX Screwdriver
*T-TRIM1	Precision Screwdriver (#1)
*T-TRIM2	Precision Screwdriver (2mm)

<sup>1</sup> Please contact Pi Logic for other parts

\* Included in System