

# Selector Guide

## Switch Cards and Accessories for 707B, 708B, 707A, 708A

### New Models 707B and 708B replace Models 707A and 708A

Keithley Instruments recently introduced two new semiconductor switch matrix mainframes: the Model 707B six-slot mainframe and the Model 708B one-slot mainframe. The two

new mainframes replace the Models 707A and 708A that were introduced more than 20 years ago. The new models provide important new capabilities and are compatible with the most

popular switch cards. The table shows the important differences between the new and old models.

	New 707/8B	Legacy 707/8A
GPIO/DDC	✓	✓
GPIO/ICL	✓	
Ethernet (LXI)	✓	
TSP/TSP-Link	✓	
Webpage (LXI)	✓	
Light Pen		✓
Compatible with 7174A, 7072, 7072-HV, 7173-50 switch cards	✓	✓
Compatible with 7071, 7071-4, 7075 switch cards		✓



← NEW Model 707B Replaces Model 707A →



← NEW Model 708B Replaces Model 708A →



	LOW CURRENT			HIGH FREQUENCY	
	7072	7072-HV	7174A	7073	7173-50
Page	222	223	225		224
Number of Channels	8×12	8×12	8×12	8×12	4×12
Card Configuration	Matrix	Matrix	Matrix	Matrix	Matrix
Contact Configuration	2 form A	2 form A	2 form A	1 form A	2 form C
Max. Voltage	200 V	1300 V	200 V	200 V	30 V
Max. Current	1 A	1 A	2 A	1 A	0.5 A
Max. Power	10 VA	10 VA		30 VA	10 VA
Contact Potential	<20 μV	<20 μV		<2 μV	<15 μV
Max. Offset Current	<1 pA	<1 pA	<100 fA	<200 pA	<200 pA
Recommended Frequency	15 MHz	4 MHz	30 MHz	30 MHz	200 MHz
Connection Type	3-lug triax	3-lug triax	3-lug triax	BNC	BNC
CE	Yes		Yes	Yes	Yes
Comments	Optimized for semiconductor applications.				
707B-708B Compatible	Yes	Yes	Yes	Yes	Yes
707A-708A Compatible	Yes	Yes	Yes	Yes	Yes

### 707B, 708B, 707A, 708A Switch Card Accessories

	Cables		Adapters	
	7072	7078-TRX-3	7078-TRX-10	237-TRX-T
7174A	7078-TRX-3	7078-TRX-10	237-TRX-T	7078-TRX-BNC
7072-HV	7078-TRX-3	7078-TRX-10	7078-TRX-BNC	237-TRX-T
7073	4801		7078-TRX-GND	237-TRX-TBC
7173-50	7173-50-CSEP			