

Selector Guide

Switch Cards for 7001, 7002

	No. of Channels	Card Config.	Contact Config.	Max. Voltage	Max. Current	Max. Power	Contact Potential	Max. Offset Current	Recomm. Frequency	Connection Type	CE	Comments
HIGH DENSITY												
7011-C	40	Multiplexer	2 form A	110V	1A	60VA	<1μV	<100pA	2MHz	Connector	Yes	Four independent 1×10 multiplexers, connection to backplane
7011-S	40	Multiplexer	2 form A	110V	1A	60VA	<500nV	<100pA	2MHz	Screw term.	Yes	Four independent 1×10 multiplexers, connection to backplane
7012-C	4×10	Matrix	2 form A	110V	1A	60VA	<1μV	<100pA	2MHz	Connector	Yes	Rows connect to analog backplane
7012-S	4×10	Matrix	2 form A	110V	1A	60VA	<500nV	<100pA	2MHz	Screw term.	Yes	Rows connect to analog backplane
7013-C	20	Isolated Switch	2 form A	110V	1A	60VA	<1μV	<100pA	10MHz	Connector	Yes	
7013-S	20	Isolated Switch	2 form A	110V	1A	60VA	<500nV	<100pA	10MHz	Screw term.	Yes	
7015-C	40	Multiplexer	2 form A	175V	34mA	0.3VA	<5μV	<1nA	500kHz	Connector	Yes	Solid state switch for high reliability
7015-S	40	Multiplexer	2 form A	175V	34mA	0.3VA	<5μV	<1nA	500kHz	Screw term.	Yes	Solid state switch for high reliability
7018-C	28	Multiplexer	3 form A	110V	1A	60VA	<5μV	<100pA	2MHz	Connector	Yes	3 pole switching
7018-S	28	Multiplexer	3 form A	110V	1A	60VA	<5μV	<100pA	2MHz	Screw term.	Yes	3 pole switching
7035	36	Multiplexer	2 form A	60V	1A	30VA	<1μV	<100pA	10MHz	Connector	Yes	9 independent 1×4 multiplexers
7036	40	Isolated Switch	1 form A	60V	1A	30VA	<4μV	<100pA	10MHz	Connector	Yes	40 independent channels of 1-pole switching
7111-S	40	Multiplexer	1 form C	110V	1A	60VA	<500nV	<100pA	2MHz	Screw term.	Yes	Four independent 1×10 multiplexers, connection to backplane
Control												
7020	80	Digital I/O								Connector	Yes	40 inputs/40 outputs
7020-D*												
7037-D*	30/20	Isolated/ Digital I/O	1 form A	110V	1A	30VA	<4μV	<100pA	10MHz	Connector	Yes	30 independent channels of 1-pole switching, 10 digital inputs, 10 digital outputs
7065						See page 211 for details.					Hall Effect measurement buffer card	
HIGH CURRENT												
7053	10	Multiplexer	2 form A	300V	5A	100VA	<1mV		1MHz	Screw term.		
HIGH VOLTAGE												
7154	10	Multiplexer	2 form A	1100V	500mA	10VA	<35μV		1MHz	Screw term.	Yes	
LOW CURRENT												
7152	4×5	Matrix	2 form A	200V	500mA	10VA	<20μV	<1pA	60MHz	Connector	Yes	
7153	4×5	Matrix	2 form A	1300V	500mA	10VA	<50μV	<1pA	60MHz	Connector	Yes	
7158	10	Multiplexer	1 form C	30V	100mA		<200μV	<1pA	1MHz	BNC	Yes	
LOW VOLTAGE												
7168	8	Multiplexer	2 form A	10V	50mA		<30nV		1kHz	Screw term.	Yes	

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Switch Card Accessories

7001, 7002, 705, 706 Switch Card Accessories

	Cables			Connectors	Adapters	Tools	
7011-C	7011-MTC-1	7011-MTC-2		7011-KIT-R			
7011-S				7011-ST			
7111-S							
7012-C	7011-MTC-1	7011-MTC-2		7011-KIT-R			
7012-S				7012-ST			
7013-C	7011-MTC-1	7011-MTC-2		7011-KIT-R			
7013-S				7013-ST			
7015-C	7011-MTC-1	7011-MTC-2		7011-KIT-R			
7015-S				7015-ST			
7018-C	7011-MTC-1	7011-MTC-2		7011-KIT-R			
7018-S				7018-ST			
7020	7020-MTC-2			7011-KIT-R (incl.)			
7020-D				7020-DT			
7035	7035-MTC-2			7011-KIT-R (incl.)			
7036	7036-MTC-2			7011-KIT-R (incl.)			
7037-D				7037-DT			
7152	7152-MTC-2, -10	7152-TRX-10		7152-KIT 7152-MTR		7152-HCT 7074-HCT	7074-CIT
7153	7153-TRX						
7158	4801	4802-10	4803		4804		

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SWITCHING AND CONTROL