DIN-68H-01

The DIN-68H-01 is a terminal board designed for PCIe/PXIe-5411 to provide the easier wiring for test circuit or measure signal. Below is the layout and pin-to-pin reference table of DIN-68H-01:

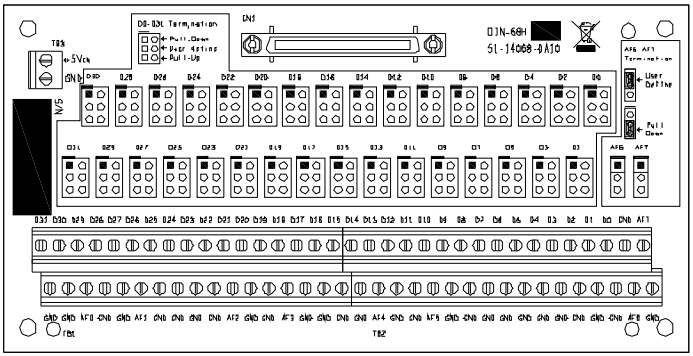

Figure A-1: DIN-68H-01 Layout

PCIe/PXIe-5411	DIO0	DIO1	DIO2	DIO3	DIO4	DIO5	DIO6	DIO7
DIN-68H-01	D0	D1	D2	D3	D4	D5	D6	D7

PCIe/PXIe-5411	DIO8	DIO9	DIO10	DIO11	DIO12	DIO13	DIO14	DIO15
DIN-68H-01	D8	D9	D10	D11	D12	D13	D14	D15

PCIe/PXIe-5411	DIO16	DIO17	DIO18	DIO19	DIO20	DIO21	DIO22	DIO23
DIN-68H-01	D16	D17	D18	D19	D20	D21	D22	D23

PCIe/PXIe-5411	DIO24	DIO25	DIO26	DIO27	DIO28	DIO29	DIO30	DIO31
DIN-68H-01	D24	D25	D26	D27	D28	D29	D30	D31

PCIe/PXIe-5411	AFI6	AFI7
DIN-68H-01	AF6	AF7

Table A-1: DIN-68H-01 Pin Assignment

All jumpers on DIN-68H-01 are used for the setting of pull-up or pull-down resistor termination. The proper termination setting can reduce signal refection during high-speed data transfer. The below diagram is the schematic of AF6, AF7, and D0 to D31. The default jumper setting of DIN-68H-01 is set to 50Ω pull-down termination. When you change the jumper setting to 5V pull-up termination, you have to apply +5V power to $+5V_{IN}$ connector. If you don't want to set termination on specific channels, just remove the corresponding jumpers on the DIN-68H..

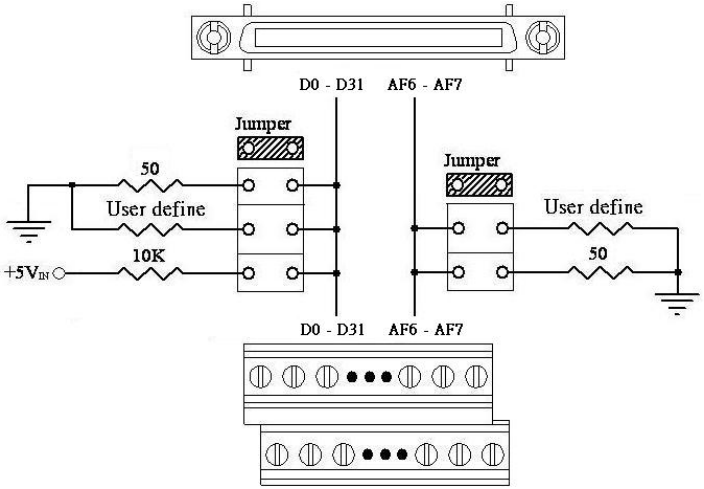

Figure A-2: Resistor Termination Schematic

The DIN-68H-01 also provides the option of user define pull-up resis-tor termination. Please note that the pad position of the resistor is on the back side of PCB and the resistor footprint is 1206 packag-ing. Below is the layout of the back side PCB and reference table of user-defined resistor termination.

Channel	D0	D1	D2	D3	D4	D5	D6	D7
Resistor	R71	R72	R79	R80	R87	R88	R97	R98

PCIe/PXIe-5411	D8	D9	D10	D11	D12	D13	D14	D15
DIN-68H-01	R73	R74	R81	R82	R89	R90	R99	R100

PCIe/PXIe-5411	D16	D17	D18	D19	D20	D21	D22	D23
DIN-68H-01	R75	R76	R83	R84	R91	R92	R101	R102

PCIe/PXIe-5411	D24	D25	D26	D27	D28	D29	D30	D31
DIN-68H-01	R77	R78	R85	R86	R93	R94	R103	R104

PCIe/PXIe-5411	AF6	AF7
DIN-68H-01	R95	R96

Table A-2: Pad Position of User-Defined Resistor Termination

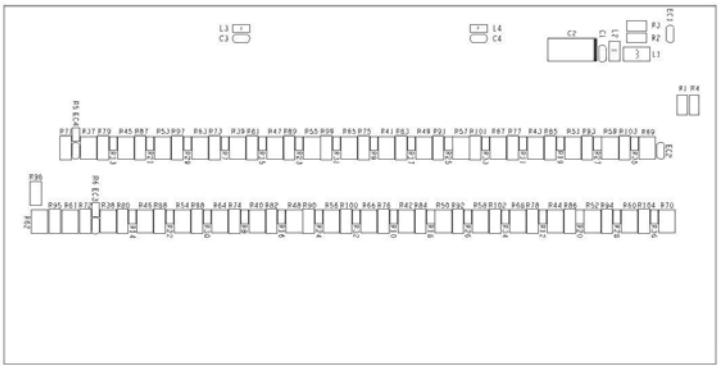

Figure A-3: DIN-68H -01 Layout (Back Side)