

EGW-5200 CUSKIT : DIO Module

mPCIe to Digital Input / Output



Customer Part Number: Y7KYN

ADLINK Part Number: 91-95308-70XX

Model: ADLINK 55-49071

Date: 2022/03/02

ADLINK Approver

Chiahung Hung

1 MRS

EGW3200 DIO board provides 8 channels of isolation digital input and 8 channels of isolation digital output circuits, and through 26 pins DSUB connector.

8 CH Isolated DI

Logic high: 5 to 24 V

Logic low: 0 to 1.5 V

Input resistance: 4.7K @ 0.75W

Isolation type: photocoupler

8 CH Isolated DO

Output Type: MOSFET transistor

Isolation type: Digital Isolator

Isolation voltage: 1500 V DC

Isolated 5V DC Power Source for DO

Supply voltage: 5 ± 0.5 V DC

Supply current: 150 mA (maximum)

Isolation type: DC-to-DC transformer

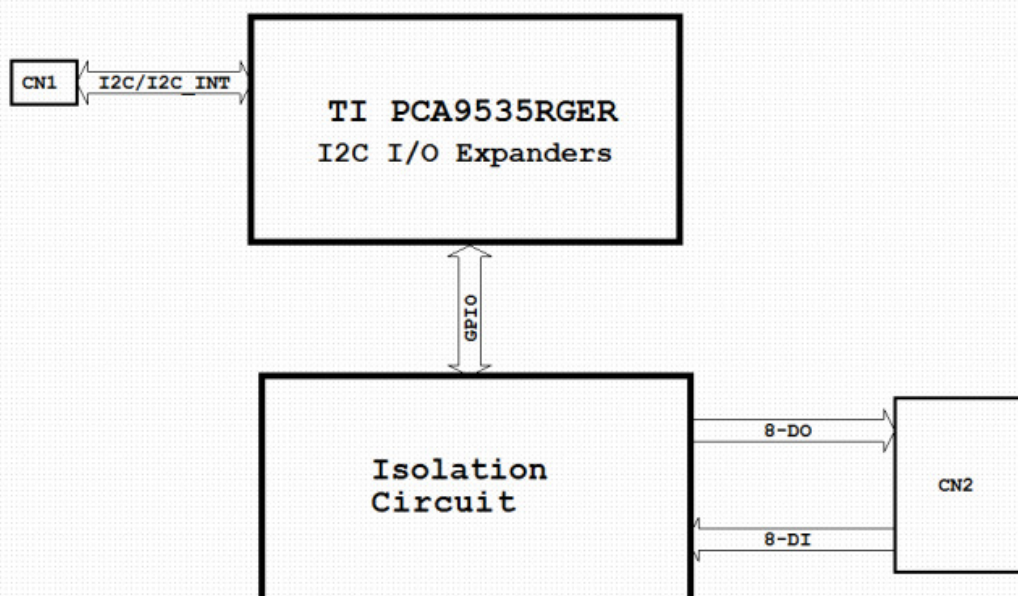
Isolation voltage: 1500 VRMS (channel to system)

2 Board Block Diagram

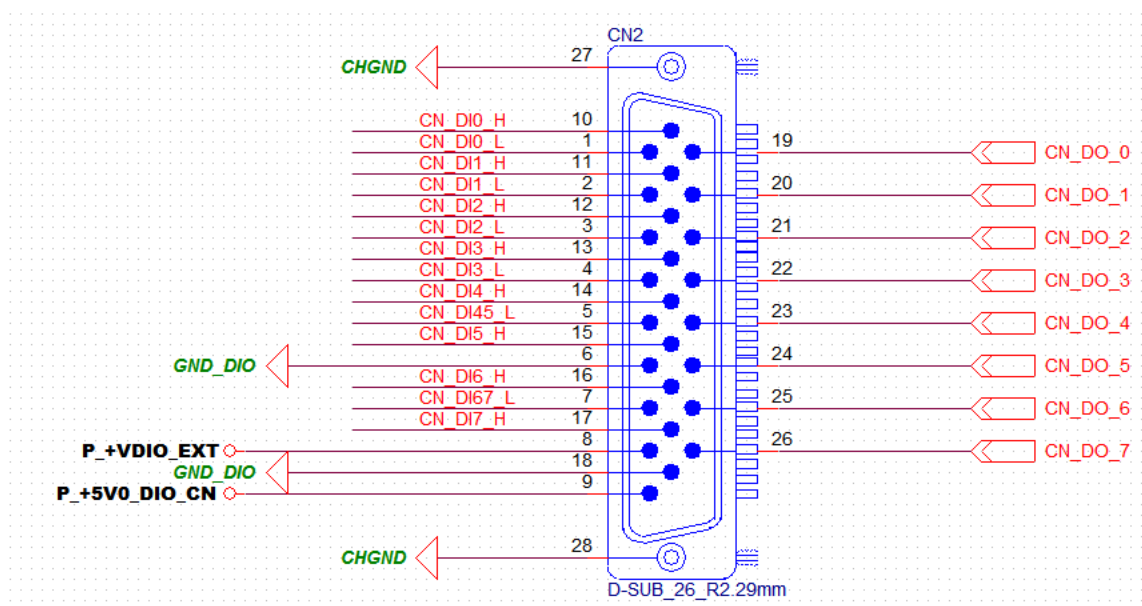
EGW3100 IO board

51-49071

Rev : A1



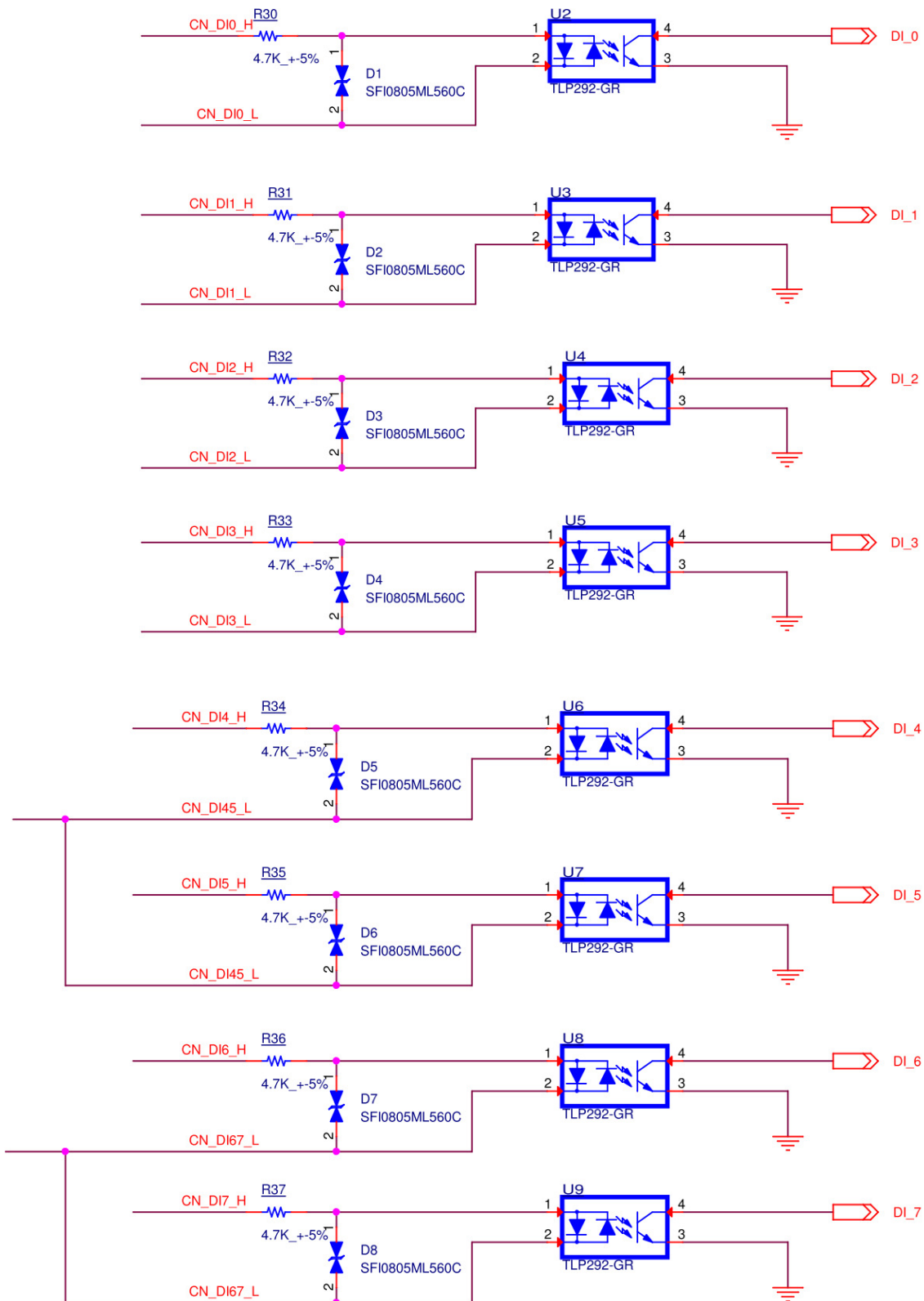
3. Pin define



PIN	Signal	PIN	Signal
1	CN_DI0_L	15	CN_DI5_H
2	CN_DI1_L	16	CN_DI6_H
3	CN_DI2_L	17	CN_DI7_H
4	CN_DI3_L	18	GND_DIO
5	CN_DI45_L	19	CN_DO_0
6	GND_DIO	20	CN_DO_1
7	CN_DI67_L	21	CN_DO_2
8	P_+VDIO_EXT	22	CN_DO_3
9	P_+5V0_DIO_CN	23	CN_DO_4
10	CN_DI0_H	24	CN_DO_5
11	CN_DI1_H	25	CN_DO_6
12	CN_DI2_H	26	CN_DO_7
13	CN_DI3_H	27	CHGND
14	CN_DI4_H	28	CHGND

4. Internal Circuit

DI



DO

