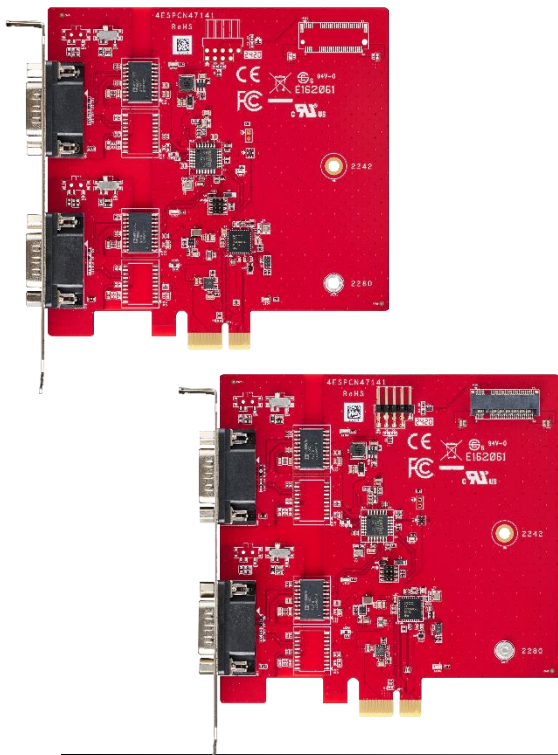




ESPC-F2S3

PCIe to dual isolated CAN FD

HIGHLIGHT FEATURES

- ISO 11898-2:2016 compliant (CAN FD)
- Baud rate support 5/10/20/50/100/125/250/500(default)/800/1000K
- Data rate support 2/4/5Mbps(*note)
- Support CAN message acceptance filter, listen-only mode
- Keep configuration after hardware reboot
- CAN2.0 Up to 7,800 frame/s (RX baud rate 1M, EID, 8byte data)
- CANFD Up to 6,000 frame/s (RX baud rate 1M, data rate 5M, EID, 64byte data)
- Additional driver to support Linux SocketCAN
- Termination resistor enabled/disabled by jumper
- Optional M.2 slot to expand 2-4 more CAN ports by installing EGUC series
- Complies with IEC 60950-1:2005 + A1: 2009 + A2:2013 2.5kV HiPOT protection
- Complaint with EN61000-4-2 (ESD) Air-15kV, Contact-8kV
- 30μ" golden finger, 3-year warranty
- Industrial Temperature (-40°C to +85°C) support
- Industrial design, manufactured in Innodisk Taiwan

SPECIFICATIONS

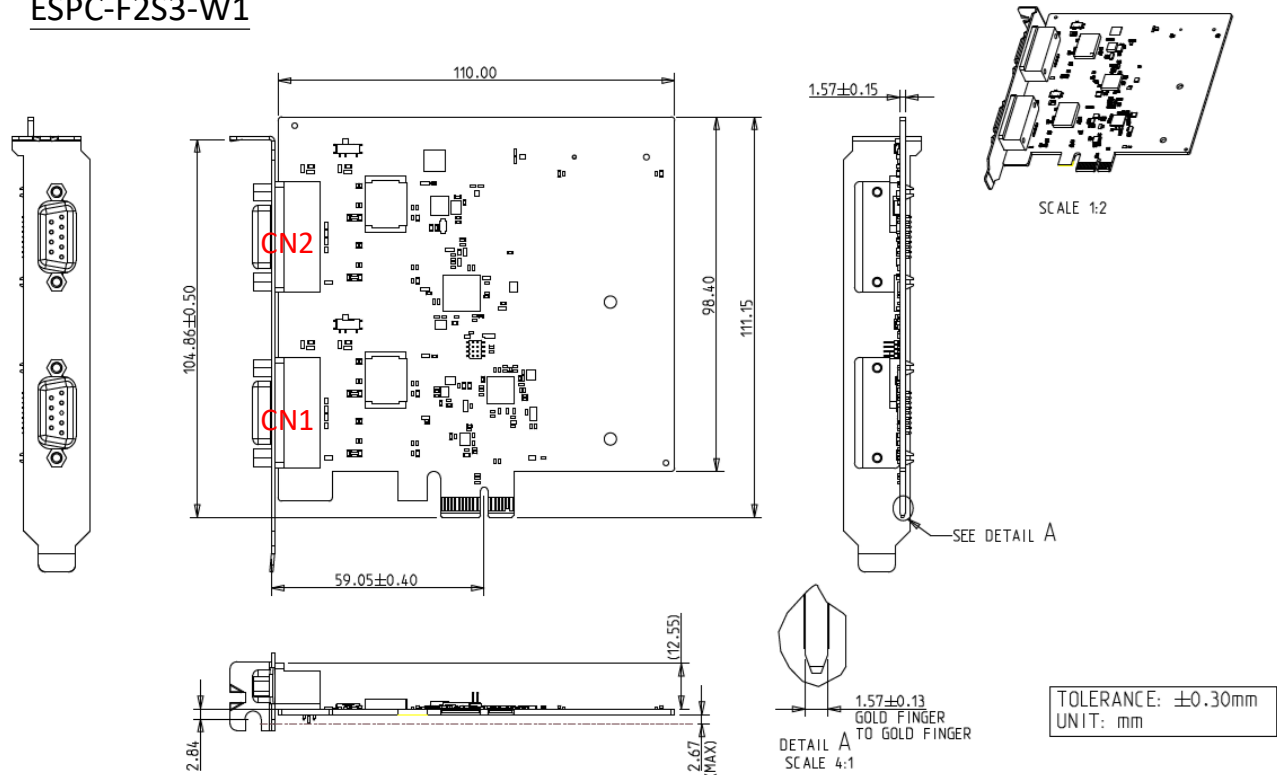
Module Name	ESPC-F2S3
Module Type	PCIe to dual isolated CAN FD
Form Factor	PCIe x4
Function	CAN Bus
Input I/F	PCI Express 2.0 x1
Output I/F	CAN FD
Output Port	2
Output Connector	DB-9
Max. Power Consumption	3.3 W (3.3V, 1000mA)
Dimension (W x L x H/mm)	111.15 x 110 x 16.79
Temperature	Operation : W/T -40°C ~ 85°C (Ta) Storage : -55°C ~ 95°C (Ta)
Vibration	5G@[7~2000Hz]
Shock	50G@0.5ms
OS Support	Windows: 10(32/64bit), 11 Linux: Kernel 2.6 and above (Native CDC-ACM driver), Kernel 2.6.38 and above (SocketCANDriver), 32/64bit
Warranty	3 Years
Notes	*Data rate limitation: • 2M support normal rate 100k and above • 4M/5M support normal rate 250K and above

ORDER INFO.

P/N	Description
ESPC-F2S3-W1	PCIe to four isolated CAN FD
ESPC-F2S3-W2	PCIe to four isolated CAN FD with M.2 slot

MECHANICAL DRAWING

ESPC-F2S3-W1

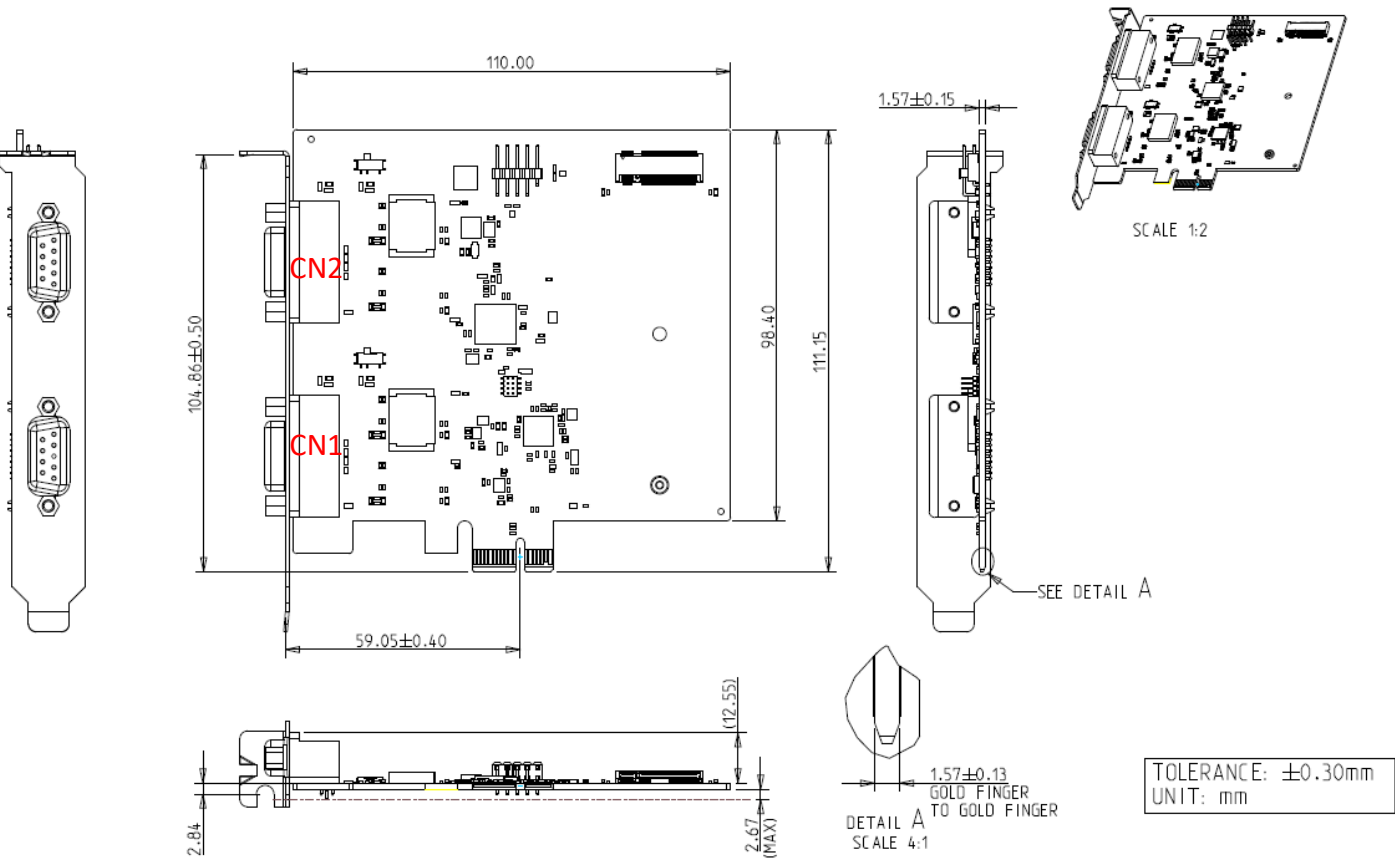


CAN DB9 Connector Pin Define (CN1)	
1	NC
2	CAN0-L
3	GND
4	NC
5	Shielding GND
6	GND
7	CAN0-H
8	NC
9	NC

CAN DB9 Connector Pin Define (CN2)	
1	NC
2	CAN1L
3	GND
4	NC
5	Shielding GND
6	GND
7	CAN1-H
8	NC
9	NC

MECHANICAL DRAWING

ESPC-F2S3-W2



CAN DB9 Connector Pin Define (CN1)	
1	NC
2	CAN0-L
3	GND
4	NC
5	Shielding GND
6	GND
7	CAN0-H
8	NC
9	NC

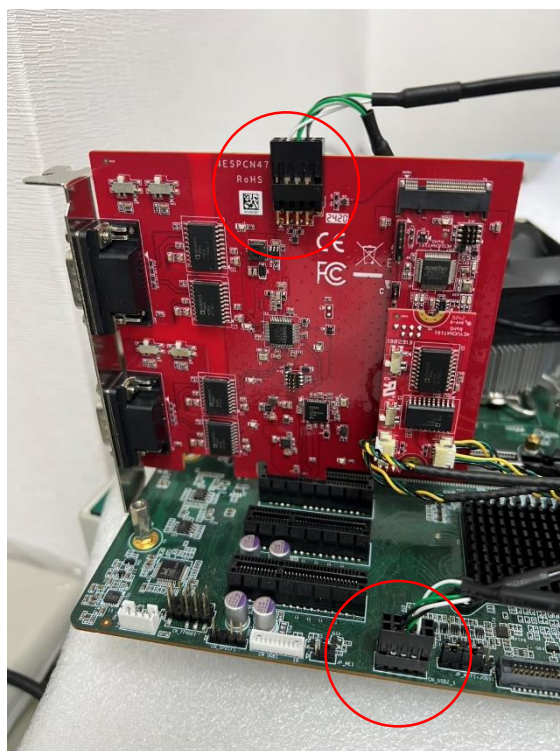
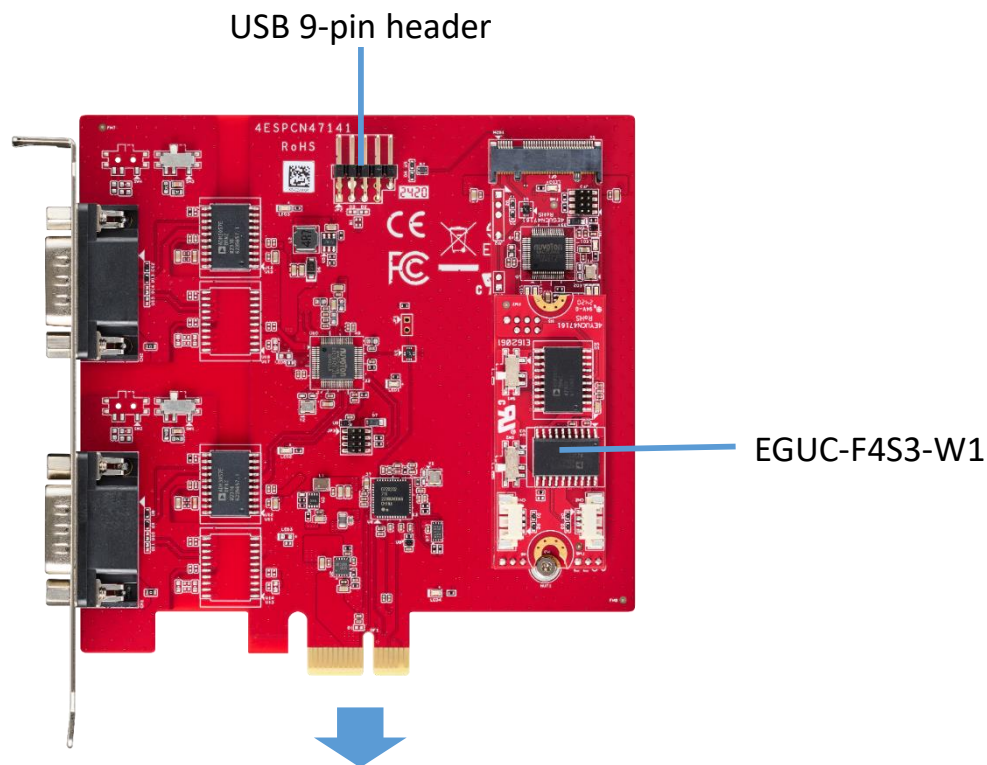
CAN DB9 Connector Pin Define (CN2)	
1	NC
2	CAN1L
3	GND
4	NC
5	Shielding GND
6	GND
7	CAN1-H
8	NC
9	NC

External USB Pin Define (For M.2 Slot)	
1	NC
2	NC
3	D1-
4	D2-
5	D1+
6	D2+
7	GND
8	GND
10	NC

Combination with EGUC-F2S3/F4S3

Install EGUC-F2S3/F4S3 on M.2 slot (USB interface) can expand 2-4 more CAN ports.

Must connect a USB cable (not included) into the 9-pin USB header to provide USB 2.0 signal for the M.2 slot.



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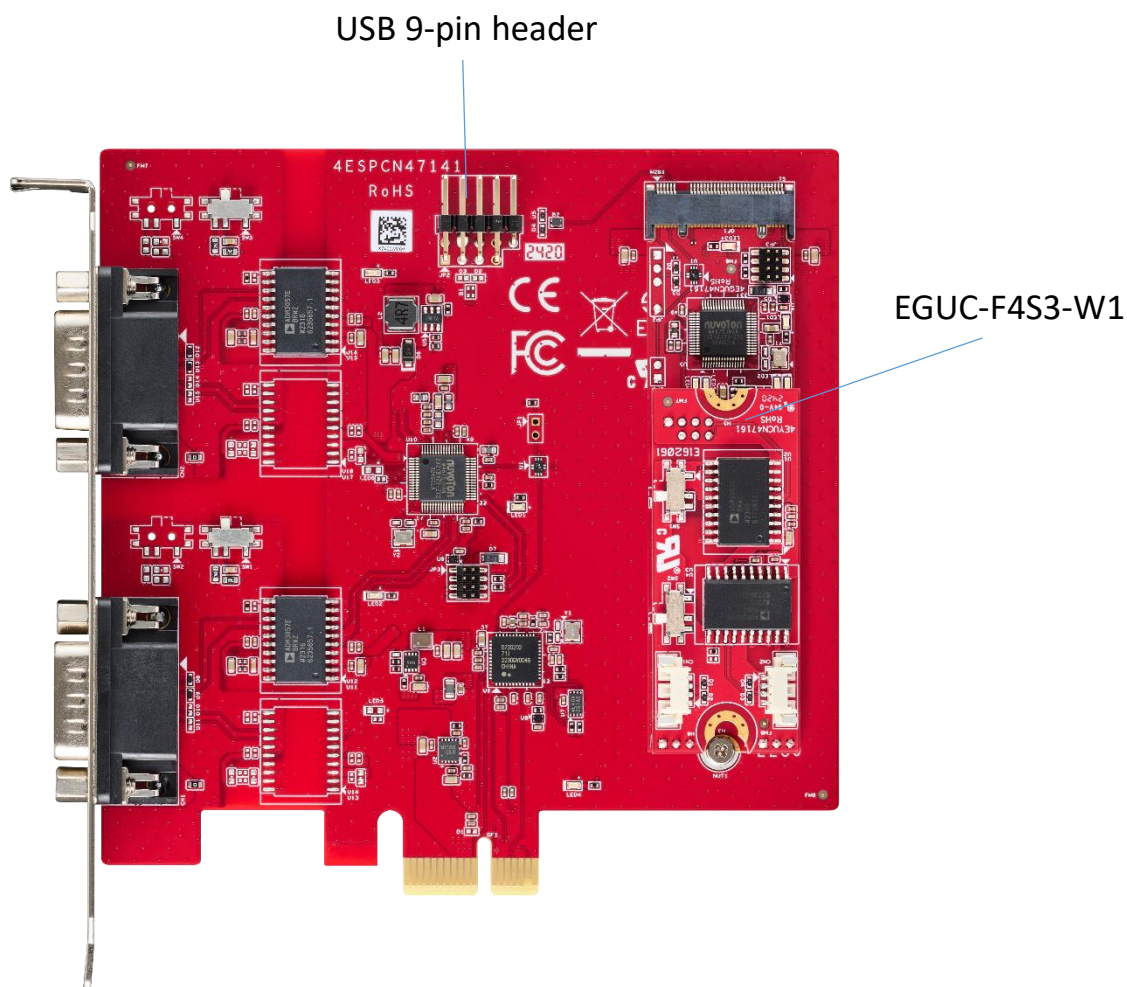
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