



EMPL-21S1

mPCIe to Single Isolated 2.5GbE LAN Module

HIGHLIGHT FEATURES

- Intel i226 controller
- Single isolated 2.5GbE LAN port
- Complies with EN61000-4-5 2kV surge protection
- Complies with IEC 60950-1 : 2005 + A1 : 2009 + A2 : 2013 2kV HiPOT protection
- Complies with EN61000-4-2 (ESD) Air-15kV, Contact-8kV
- Flexible daughter board with cable to fit into different system
- Optional terminal mounting hole or bracket for daughter board
- Optional Industrial Temperature (-40°C to 85°C) support

SPECIFICATIONS

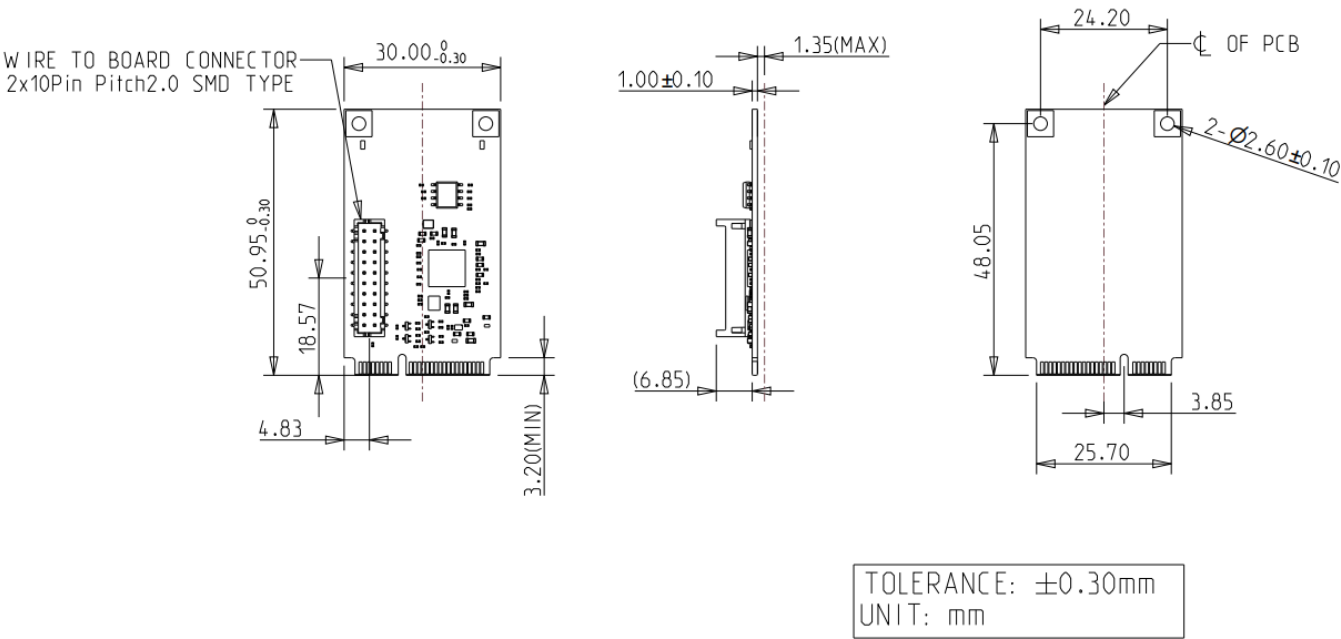
Model Name	EMPL-21S1
Module Type	mPCIe to Single Isolated 2.5GbE LAN Module
Form Factor	mPCIe
Function	LAN
Input I/F	PCI Express 2.1 x1
Output I/F	2.5GbE LAN
Output Port	1
Output Connector	RJ45
Max. Power Consumption	1.86W (3.3V, 564.7mA)
Dimension (W x L x H/mm)	Main Board : 30 x 50.9 x 9.2 Daughter Board : 59.5 x 30 x 17.32
Temperature	Operation : S/T 0°C ~ 70°C ; 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 (64bit), and above version Linux (igc) : Kernel 5.x version
Warranty	3 Years
Notes	• Please download driver from Intel official website. • Linux Kernel rebuild is needed (modify igc driver) if version < 5.16.18.

ORDER INFO.

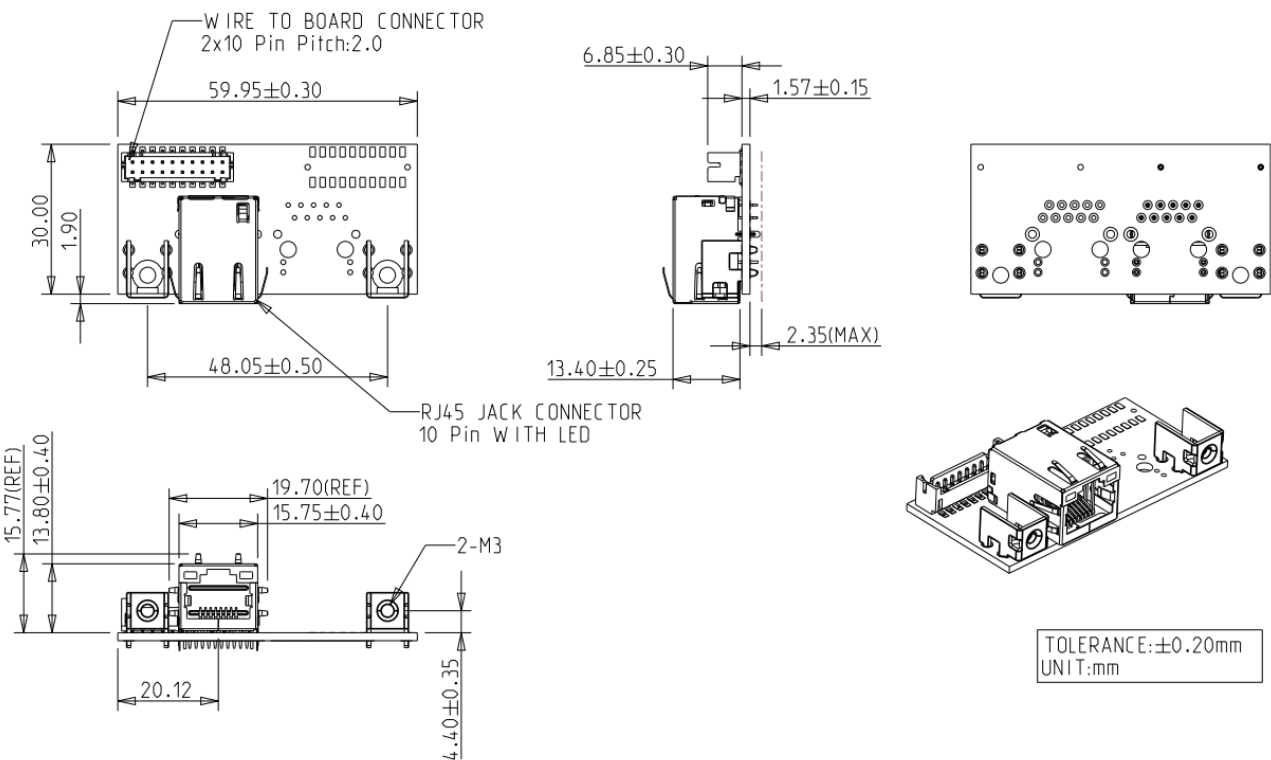
P/N	Description
EMPL-21S1-C1	mPCIe to Single Isolated 2.5GbE LAN Module, i226-LM, Mounting Hole / Standard Temperature
EMPL-21S1-W1	mPCIe to Single Isolated 2.5GbE LAN Module, i226-IT, Mounting Hole / Wide Temperature
EMPL-21S1-C2	mPCIe to Single Isolated 2.5GbE LAN Module, i226-LM, Bracket / Standard Temperature
EMPL-21S1-W2	mPCIe to Single Isolated 2.5GbE LAN Module, i226-IT, Bracket / Wide Temperature

MECHANICAL DRAWING

Main Board

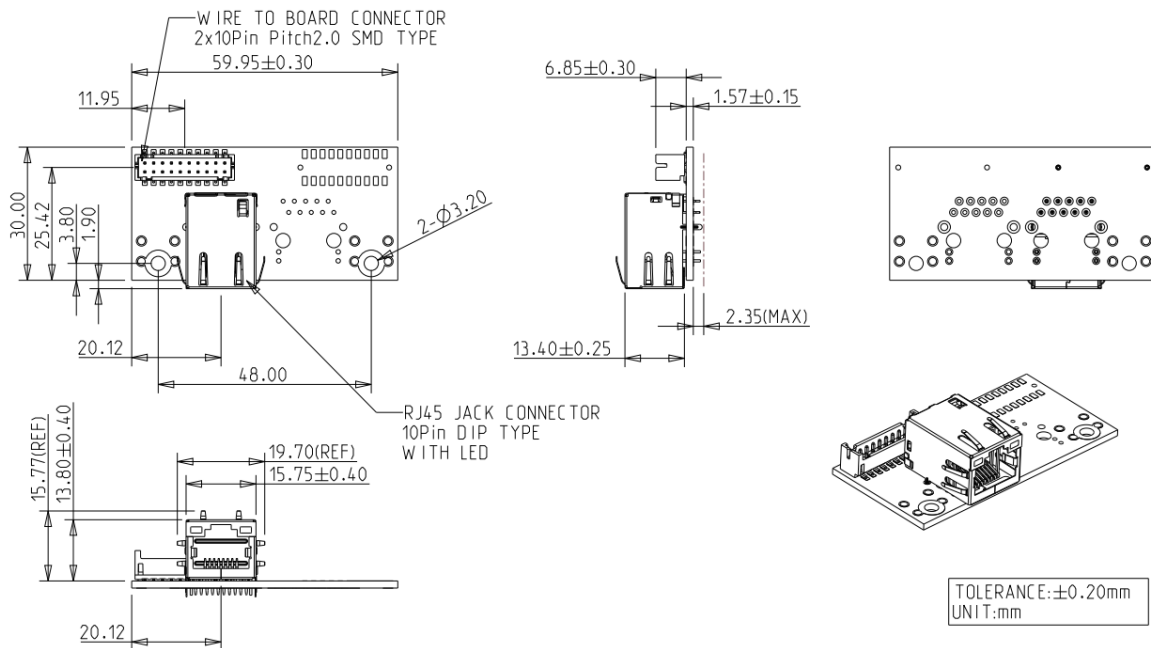


EMPL-21S1-C1 / W1 Daughter Board

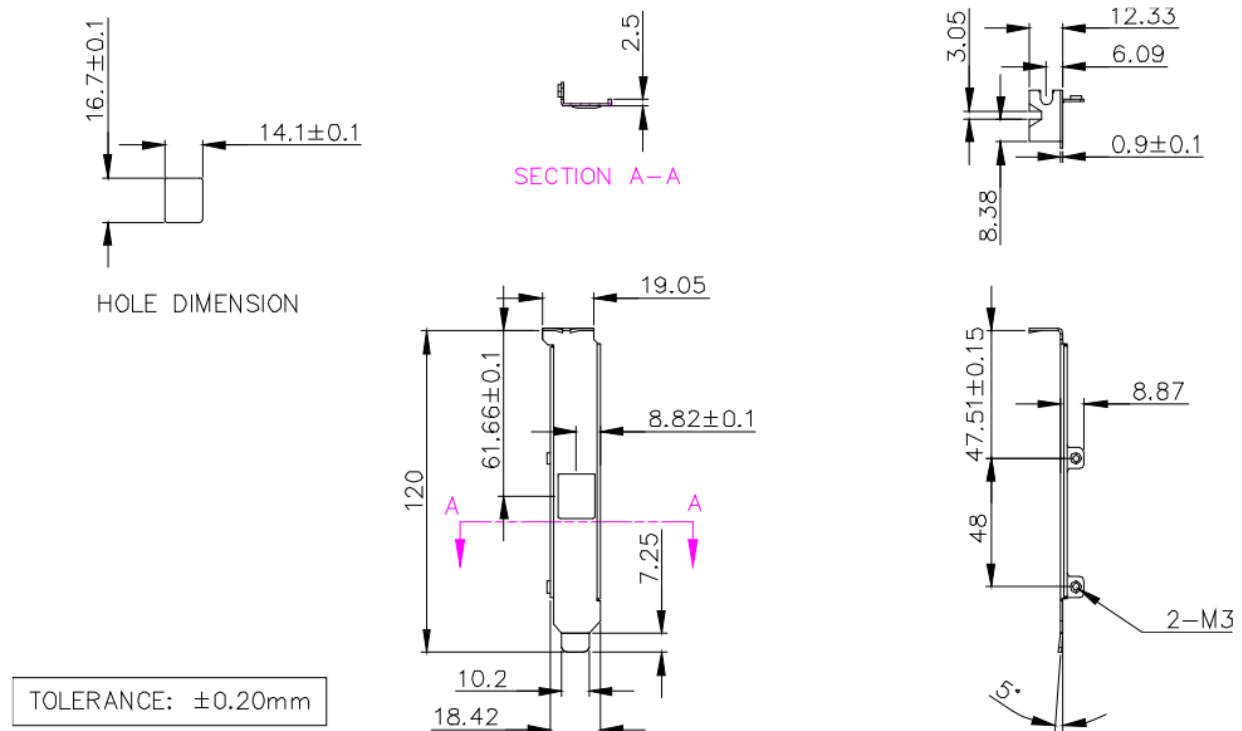


MECHANICAL DRAWING

EMPL-21S1-C2 / W2 Daughter Board



Bracket



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