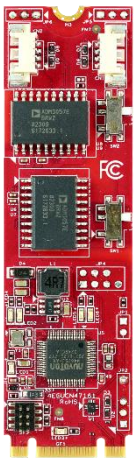


EGUC-F2S3

M.2 2280 to Dual Isolated CAN FD Module

HIGHLIGHT FEATURES

- Baud rate up to 5 / 10 / 20 / 50 / 100 / 125 / 250 / 500 (default) / 800 / 1000K
- Data rate up to 2 / 4 / 5Mbps (*Notes)
- CAN 2.0 up to 7,800 frame/s (RX baud rate 1M, EID, 8byte data)
- CAN FD up to 6,000 frame/s (RX baud rate 1M, data rate 5M, EID, 64byte data)
- Supports CAN message acceptance filter, listen-only mode
- Keeps configuration after hardware reboot
- Additional driver to support Linux SocketCAN
- Termination resistor enabled / disabled by jumper
- Complaint with ISO 11898-2 : 2016 (CAN FD)
- Complaint with EN61000-4-2 (ESD) Air-15kV, Contact-8kV
- Complies with IEC 60950-1 : 2005 + A1 : 2009 + A2 : 2013 2.5kV HiPOT protection
- Industrial Temperature (-40˚C to 85˚C) support

SPECIFICATIONS

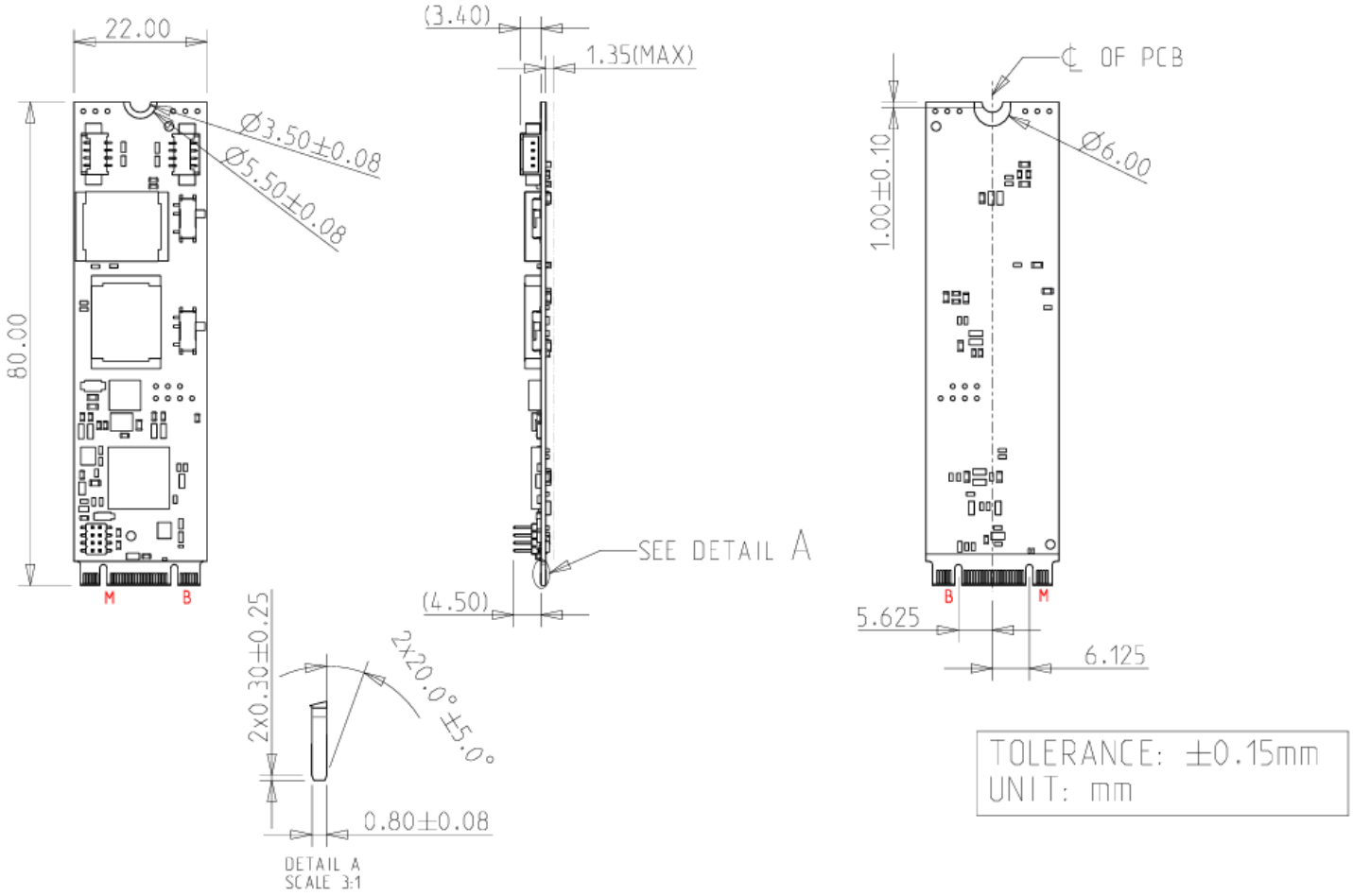
Model Name	EGUC-F2S3
Module Type	M.2 2280 to Dual Isolated CAN FD
Form Factor	M.2 2280 B+M key
Function	CAN FD
Input I/F	USB 2.0 High Speed (480Mbps)
Output I/F	CAN FD
Output Port	2
Output Connector	DB-9
Max. Power Consumption	3.3 W (3.3V, 1000mA)
Dimension (W x L x H/mm)	22 x 80 x 5.55
Temperature	Operation : 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), and above version Linux : Kernel 2.6 and above (Native CDC-ACM driver), Kernel 2.6.38 and above (SocketCAN Driver), 32/64bit
Warranty	3 Years
Notes	*Data rate limitation : • 2M supports normal rate 100K and above • 4M / 5M supports normal rate 250K and above

ORDER INFO.

P/N	Description
EGUC-F2S3-W1	M.2 2280 to Dual Isolated CAN FD Module
EGUC-F2S3-W2	M.2 2280 to Dual Isolated CAN FD Module with USB Pin header

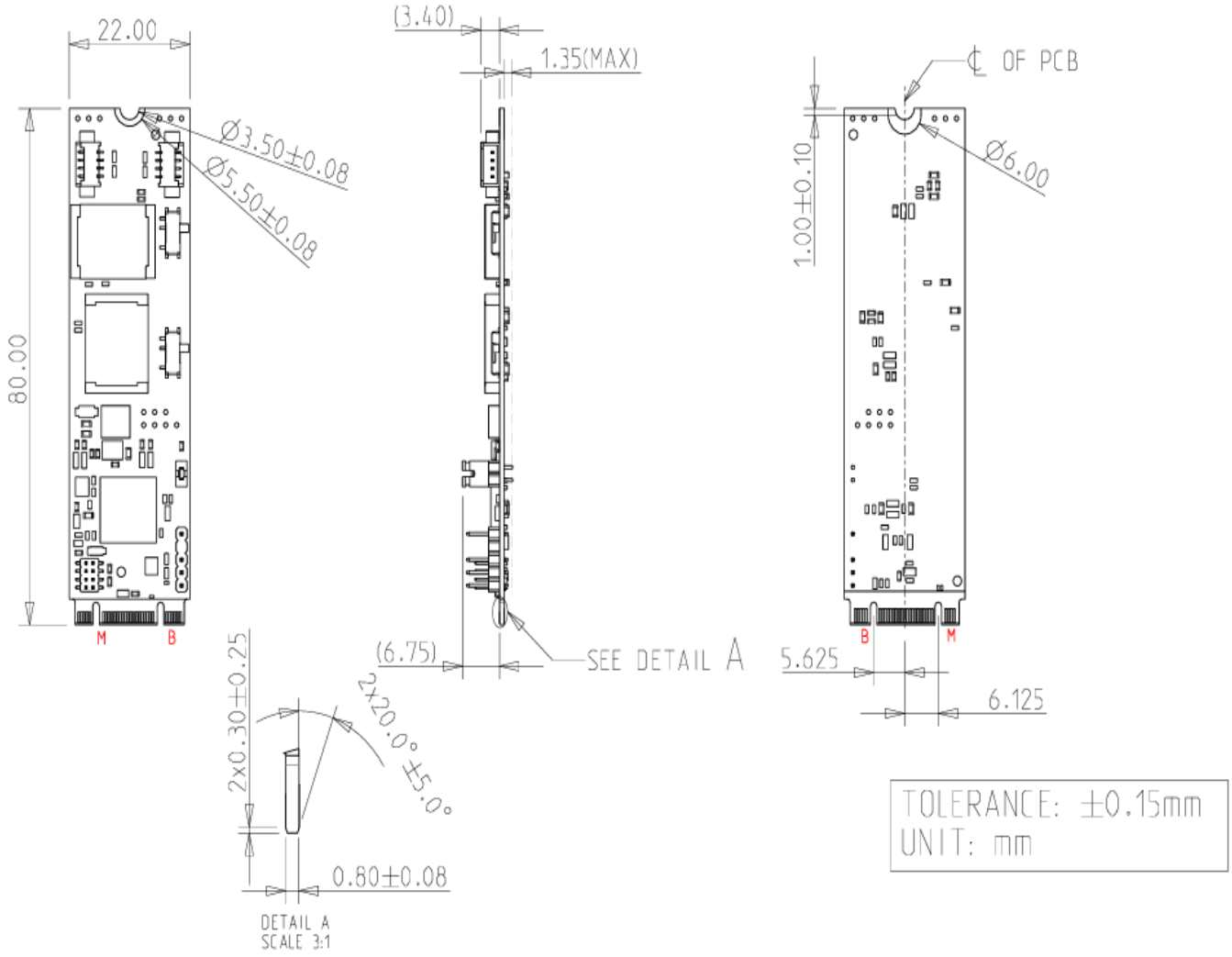
MECHANICAL DRAWING

EGUC-F2S3-W1



MECHANICAL DRAWING

EGUC-F2S3-W2



PIN DEFINE

CAN DB9 Connector Pin Define	
1	NC
2	CAN-L
3	GND
4	NC
5	NC
6	NC
7	CAN-H
8	NC
9	NC

CAN Connector Pin Define	
1	NC
2	CAN-H
3	CAN-L
4	GND

USB Connector Pin Define	
1	NC
2	D-
3	D+
4	GND

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