EDGE CARD CONNECTOR
FOR FAN MODULE

APPLICATION MANUAL

Report No.   IS-201811-001
Product Name: EDGE CARD CONNECTOR FOR FAN MODULE
Issue Date: Feb 04, 2020

Revision Description

Revision	Revision History	DATE
1.0	Initial release.	Nov 07, 2018
2.0	Part No.update	Feb 04, 2020

1. INTRODUCTION

1.1   EDGE CARD CONNECTOR FOR FAN MODULE GFMF01 series assembly concept is shown in Figure 1 and sectional view shown in Figure 2

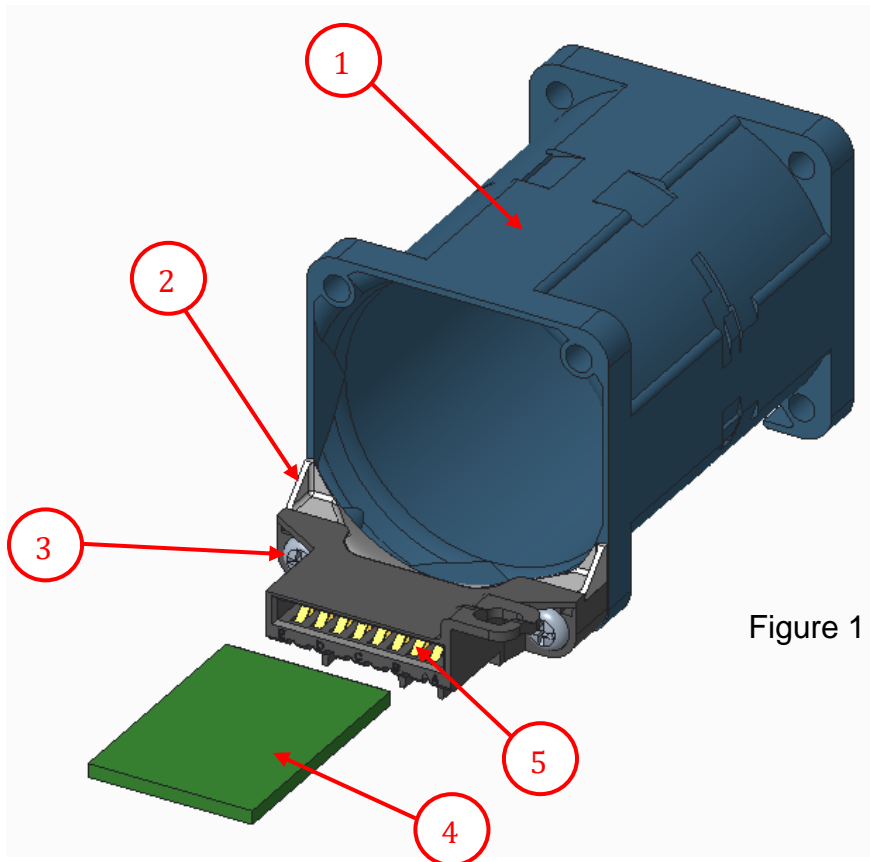1.2   EDGE CARD CONNECTOR FOR SMART FAN MODULE GFMF04 series assembly concept is shown in Figure 3 and sectional view shown in Figure 4

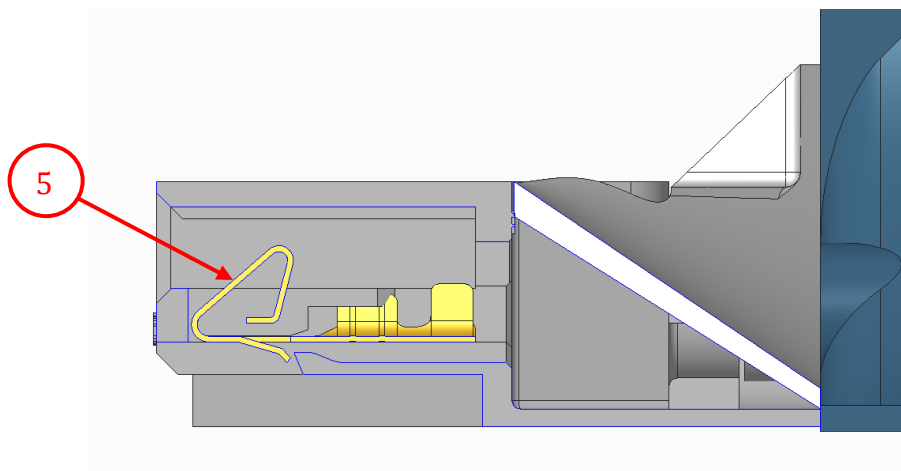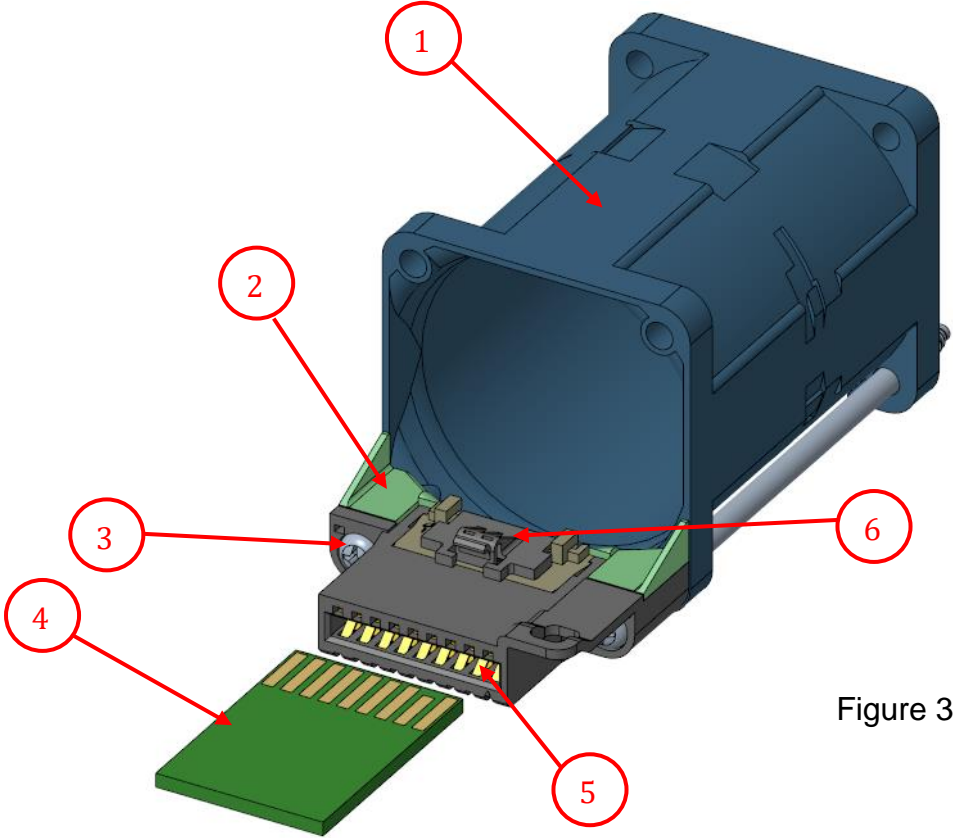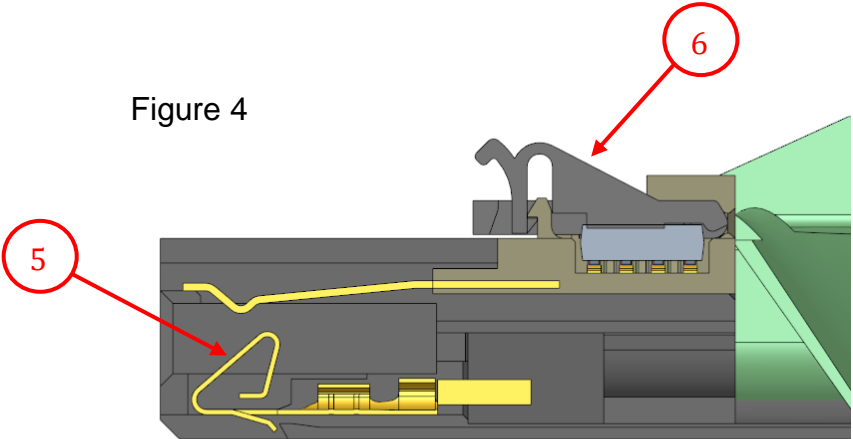Figure 1

Figure 2

Figure 3

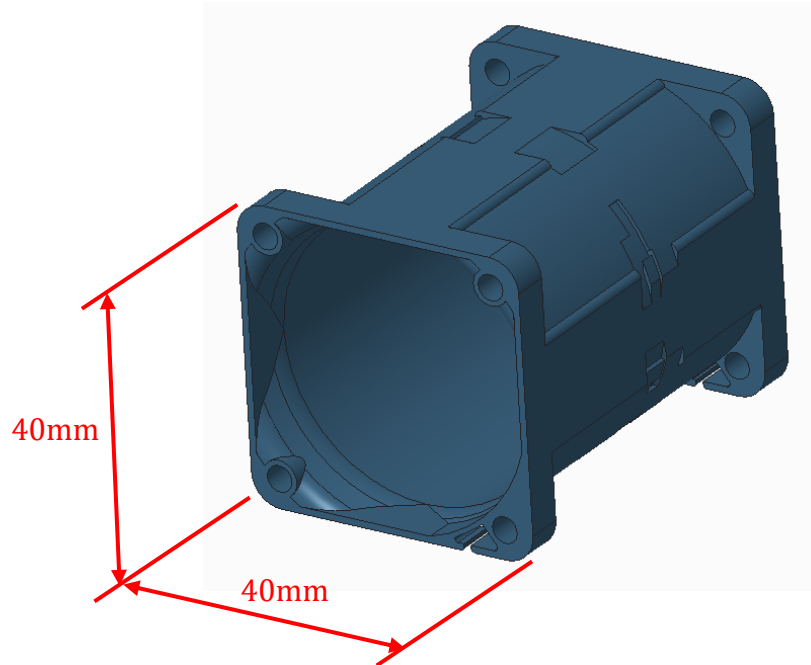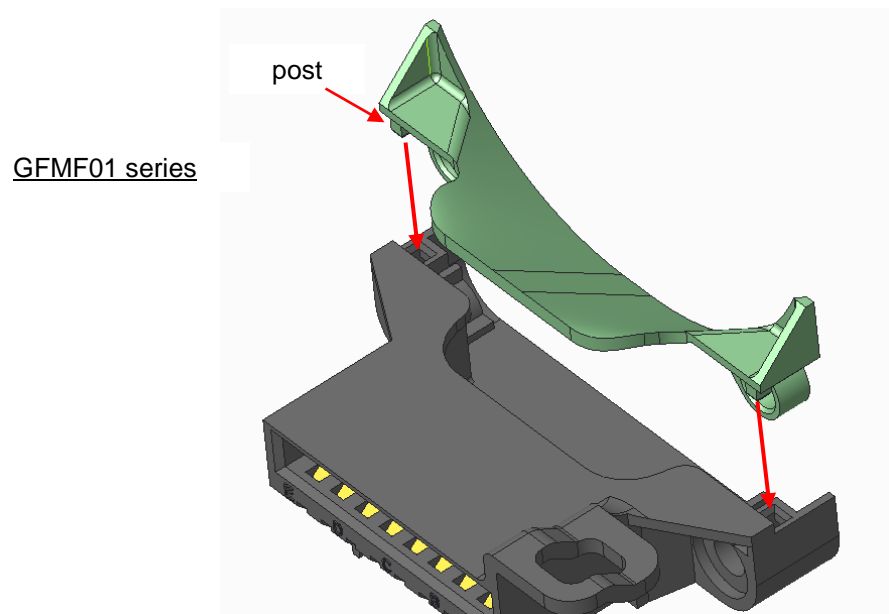Figure 4

2. DESCRIPTION
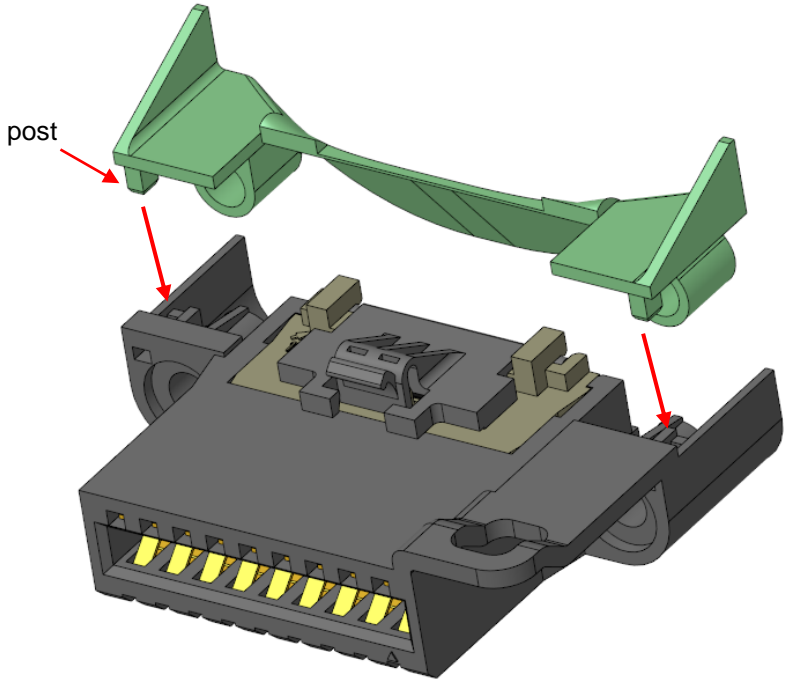
2.1　①　：　Fan

Type：40mm x 40mm screw hole pitch 32mm

40mm

40mm

2.2　②：Cover

Note：The post of cover must insert into the holes.

post

GFMF01 series

GFMF04 series

post

2.3 ③：Tapping screw

Type： Tapping screw round/button/pan head

Ø5.5mm
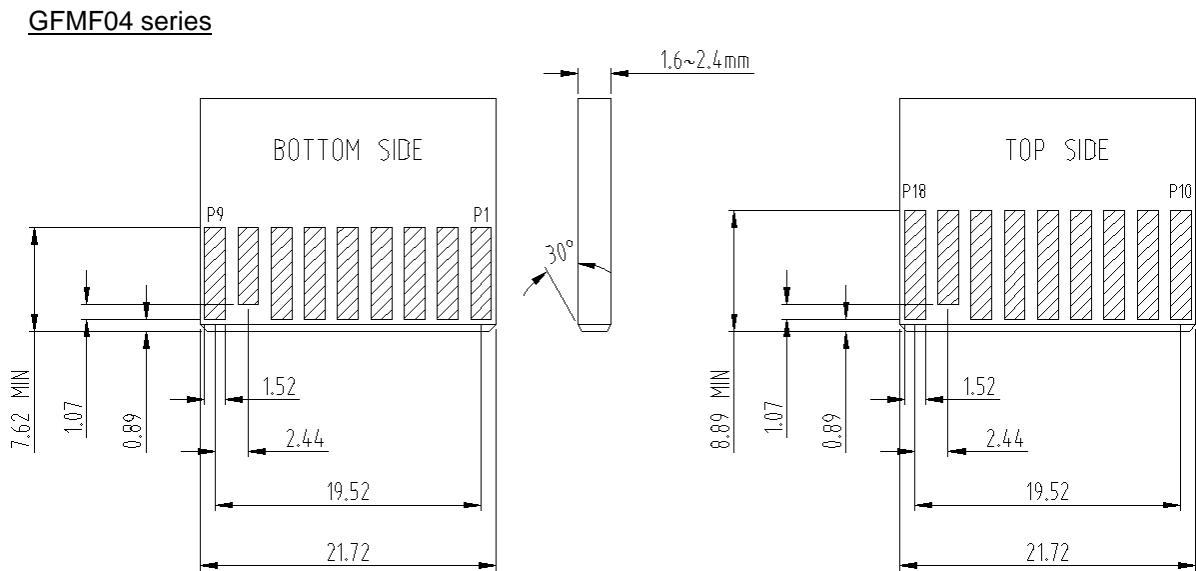
M3

Head   Shank   Threads
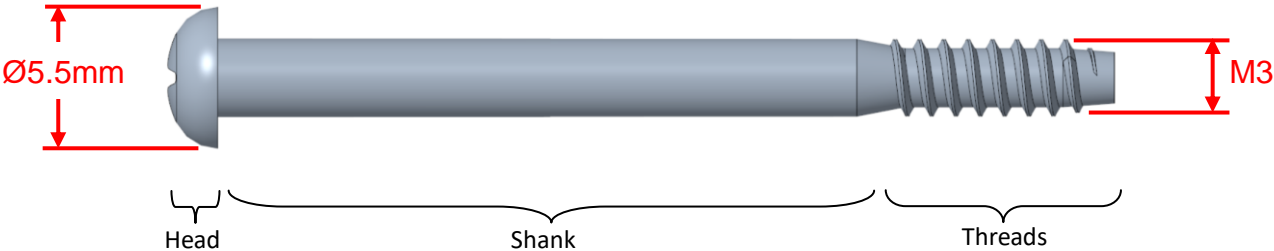
2.4 ④ ： PCB

Note：The detail dimension please refer to the customer drawing.
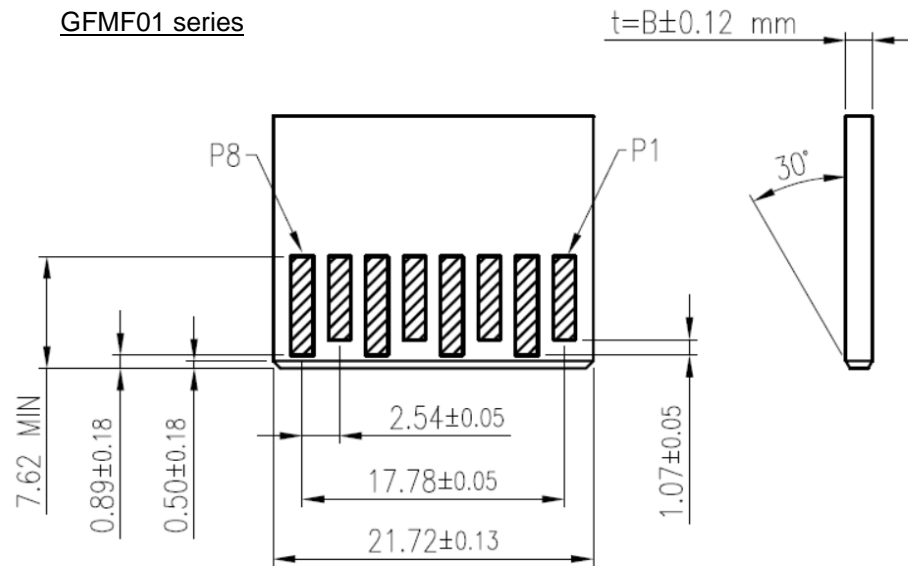
GFMF01 series

PCB LAYOUT CONTACT SIDE

GFMF04 series

PCB LAYOUT

2.5 ⑤ ：Terminal

GFMF01 series

Assembly direction

Latch release

GFMF01 series

✕

GFMF04 series

Assembly direction

Latch release
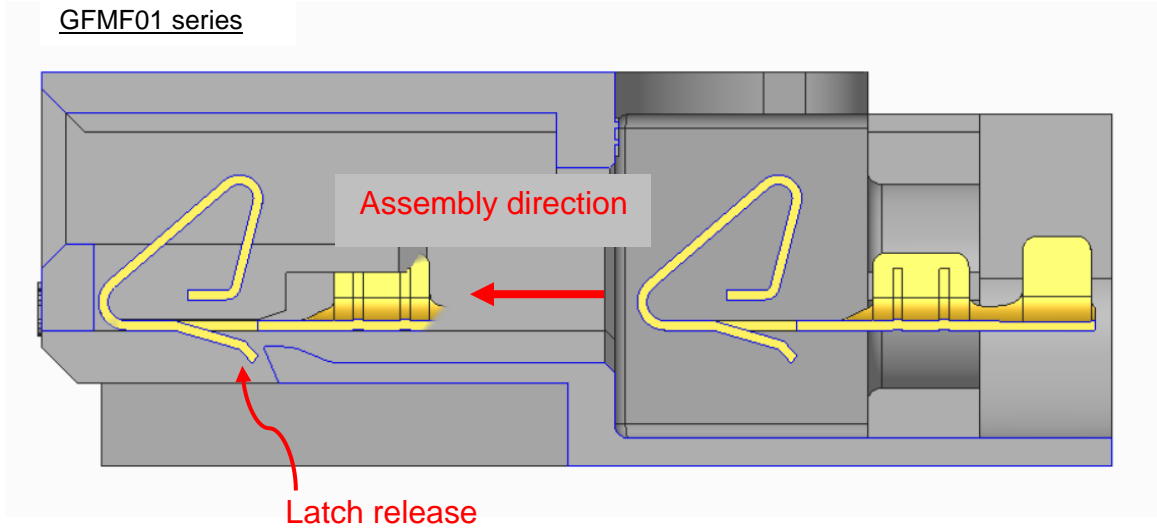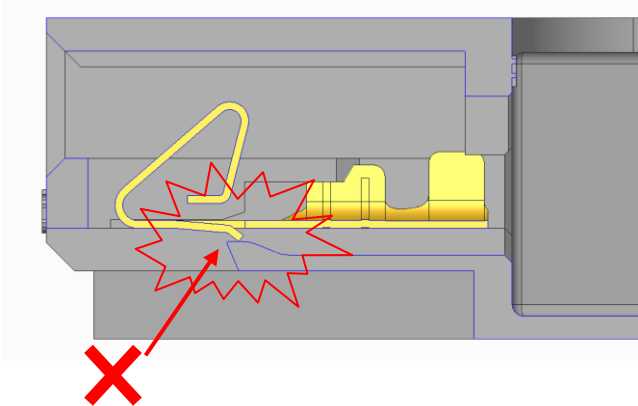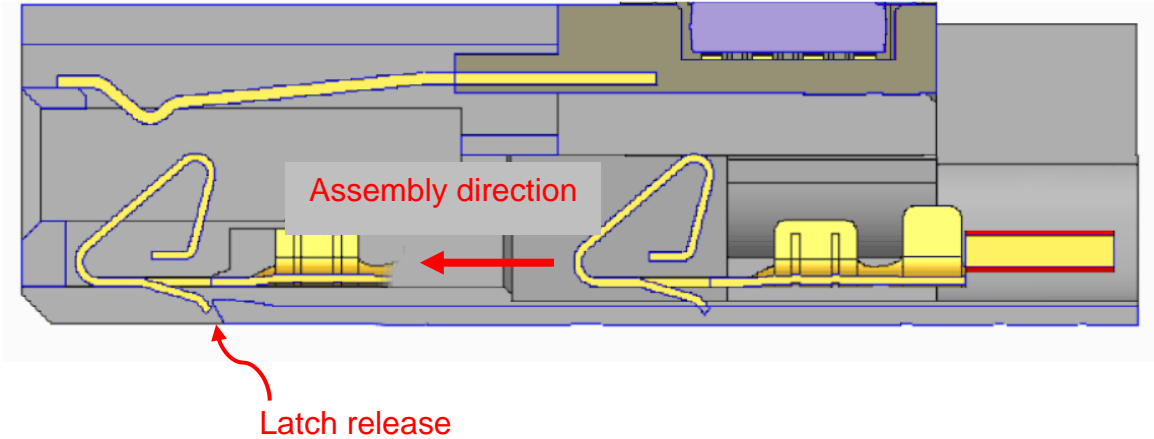
GFMF04 series

2.6 ⑥：Chip set module (GFMF04 series only)

　　　2.6.1 Make sure the chip set is in the correct position before closing the cover.

　　　2.6.2 Chip set's detail information please refer to the maker specification.

Chip type ：SO8

STEP 1

Pin 1 location

STEP 2

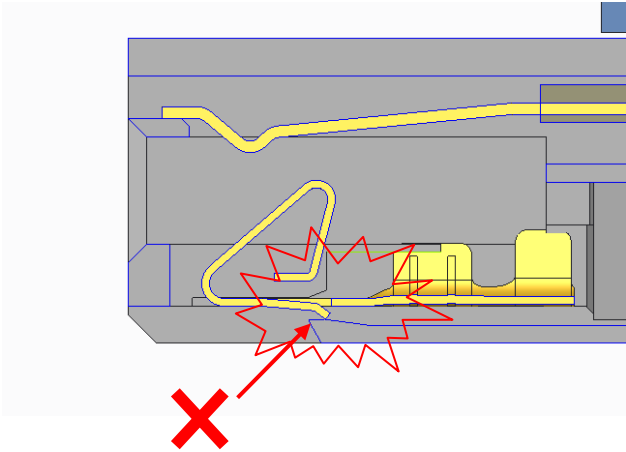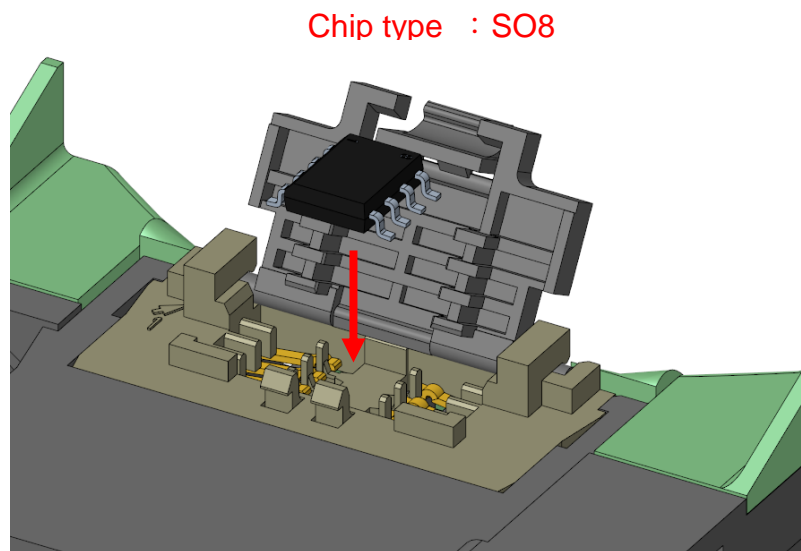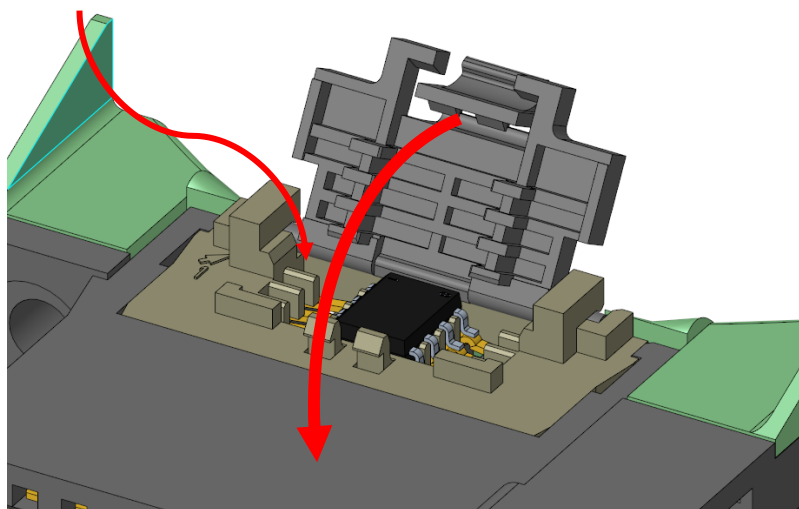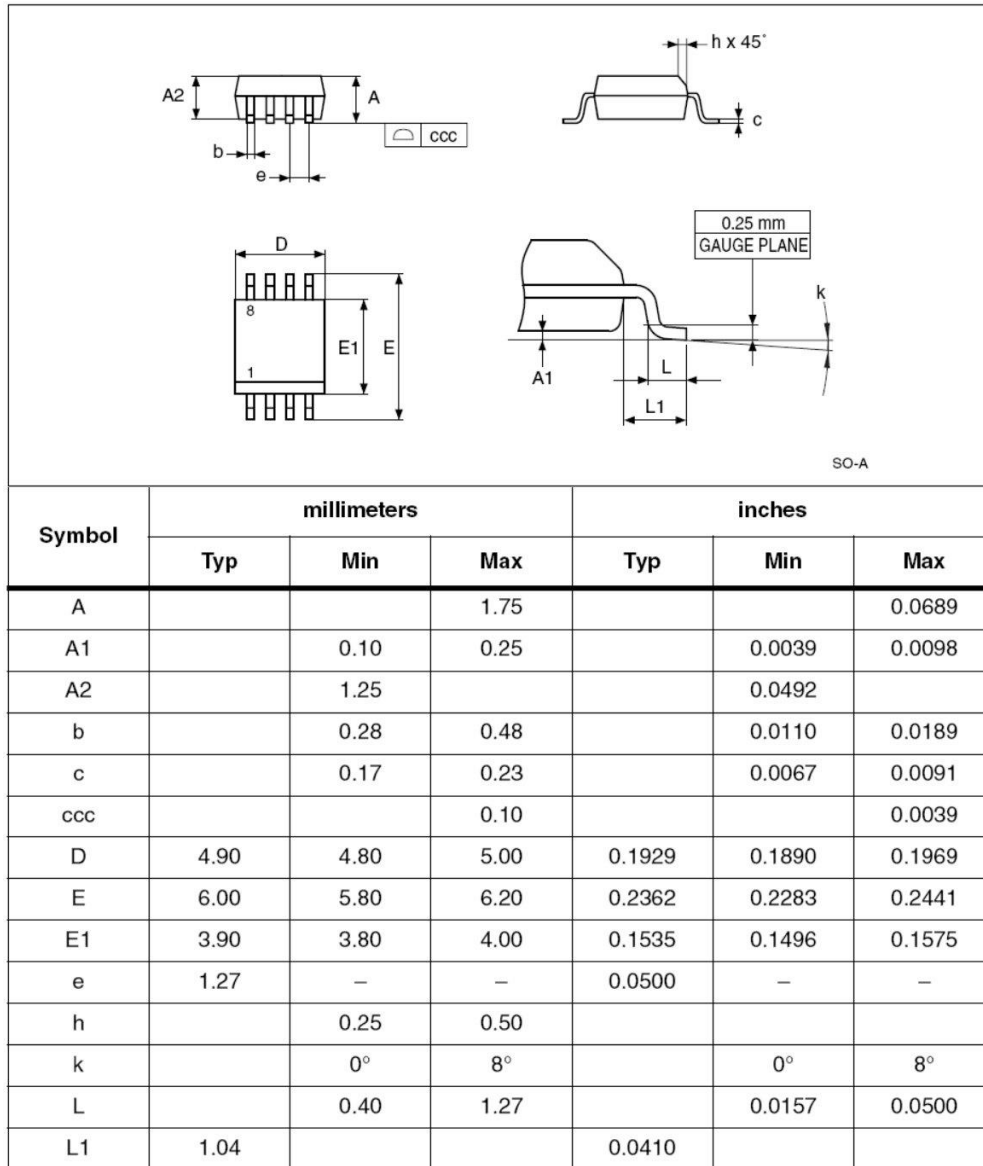| Symbol	millimeters			inches		
	Typ	Min	Max	Typ	Min	Max
A			1.75			0.0689
A1		0.10	0.25		0.0039	0.0098
A2		1.25			0.0492	
b		0.28	0.48		0.0110	0.0189
c		0.17	0.23		0.0067	0.0091
ccc			0.10			0.0039
D	4.90	4.80	5.00	0.1929	0.1890	0.1969
E	6.00	5.80	6.20	0.2362	0.2283	0.2441
E1	3.90	3.80	4.00	0.1535	0.1496	0.1575
e	1.27	–	–	0.0500	–	–
h		0.25	0.50			
k		0°	8°		0°	8°
L		0.40	1.27		0.0157	0.0500
L1	1.04			0.0410		

3. Note

3.1　The wires used in the terminals　：　AWG 28 ~ AWG 22

3.2　Product current rating　：　4 A maximum.

3.3　The Smart fan module is currently only available for SO8 chip set.