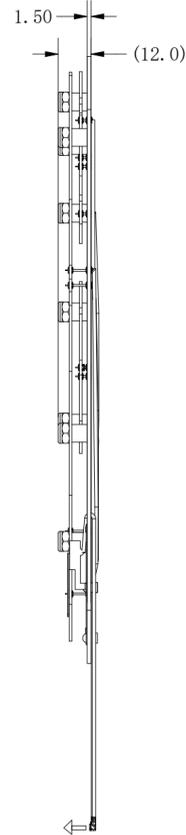
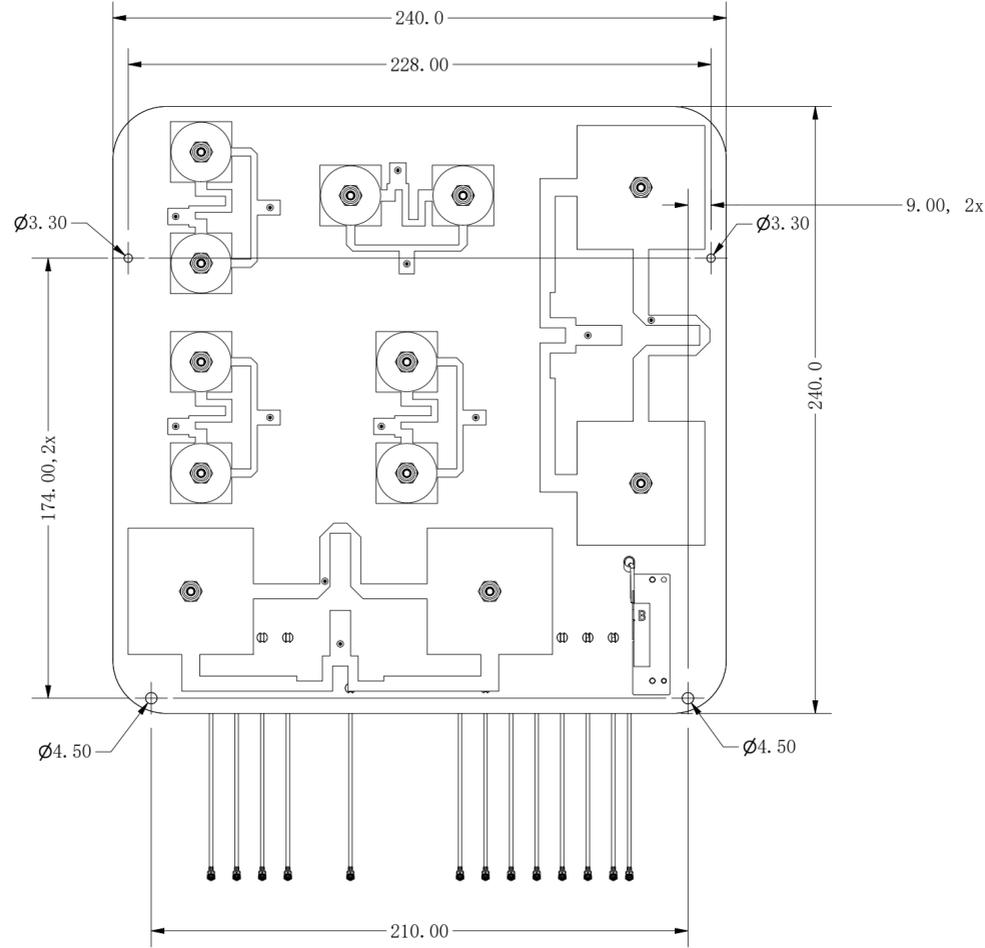
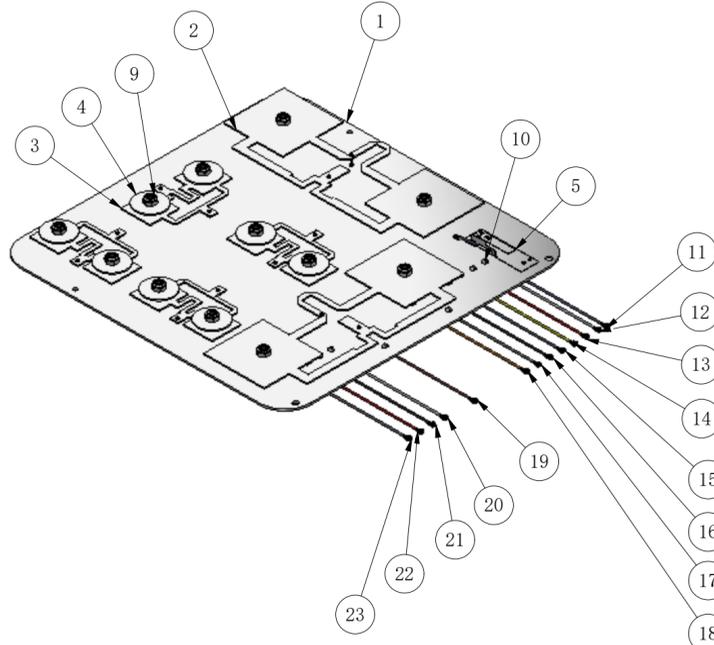
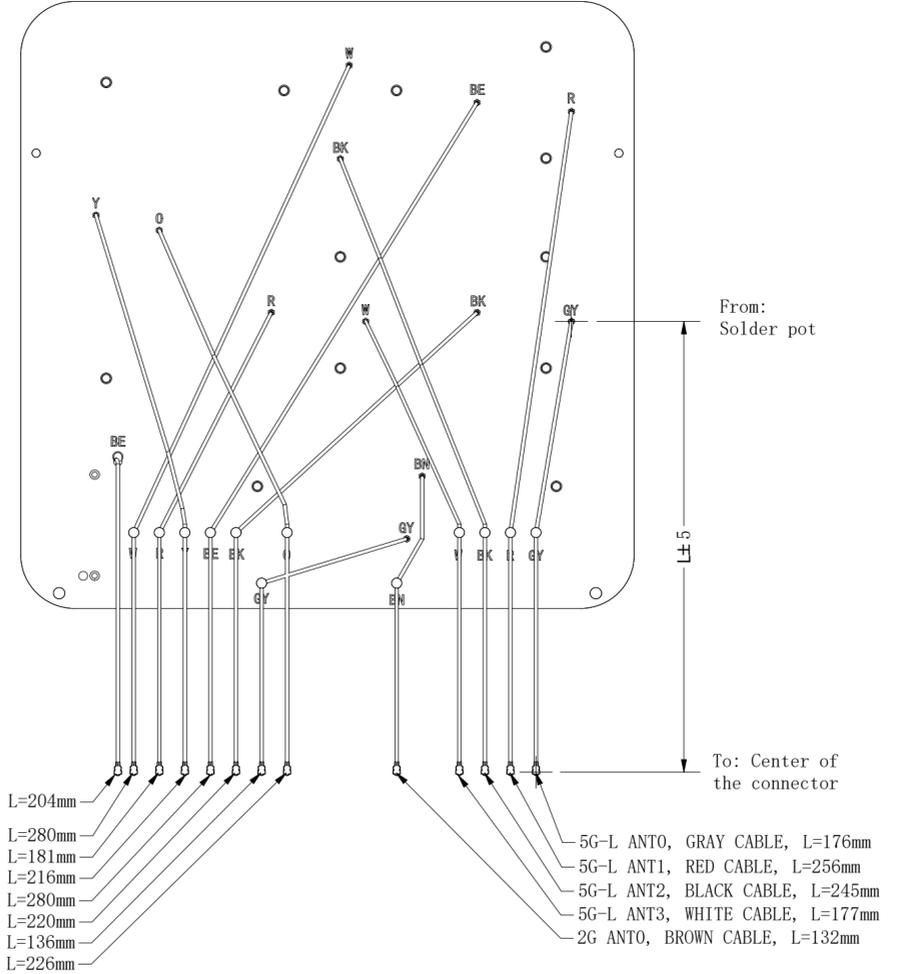


REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
1.0	First release	Jun. 19/2024	JZ
2.0	1. Add BT antenna 2. Define cable colors for different ports	Nov. 18/2024	JZ
3.0	1. Define the connector orientation; 2. Updated the cable routing and length	Nov. 27/2024	JZ
4.0	Add the dimensioning of the cable length	May. 30/2025	JZ



Connector orientation, 13 ports



BOM LIST			
ITEM	QTY	PART NAME	DESCRIPTION
1	1	Base plate ass'y	A11050, T=1.5mm, w/studs, B8709
2	2	2G Ant element	A11050, T=1.0mm, 2400-2490MHz, patch
3	4	5G Ant element	A11050, T=1.0mm, 5150-5850MHz, patch
4	8	Disc	A11050, T=1.0mm, B8709
5	1	BT Ant element	SUS430, Ni plated, T=0.4mm, 2400-2490MHz
6	4	WASHER	NYLON, 7.0mm OD, 6mm H
7	8	WASHER	NYLON, 7.0mm OD, 2mm H
8	8	WASHER	NYLON, 7.0mm OD, 3mm H
9	12	SELF-LOCKING NUT	NUT, HEX, M3, NYLOC
10	12	CABLE CLIP	Cable clip, FOR 1.37CABLE, WHITE
11	1	Cable ass'y BT ANT	1.370D low loss cable, Blue color, L,U.FL con.
12	1	Cable ass'y 5G ANT	1.370D low loss cable, White color, L,U.FL con.
13	1	Cable ass'y 5G ANT	1.370D low loss cable, Red color, L,U.FL con.
14	1	Cable ass'y 2G ANT	1.370D low loss cable, Yellow color, L,U.FL con.
15	1	Cable ass'y 5G ANT	1.370D low loss cable, Blue color, L,U.FL con.
16	1	Cable ass'y 5G ANT	1.370D low loss cable, Black color, L,U.FL con.
17	1	Cable ass'y 2G ANT	1.370D low loss cable, Gray color, L,U.FL con.
18	1	Cable ass'y 2G ANT	1.370D low loss cable, Orange color, L,U.FL con.
19	1	Cable ass'y 2G ANT	1.370D low loss cable, Brown color, L,U.FL con.
20	1	Cable ass'y 5G ANT	1.370D low loss cable, White color, L,U.FL con.
21	1	Cable ass'y 5G ANT	1.370D low loss cable, Black color, L,U.FL con.
22	1	Cable ass'y 5G ANT	1.370D low loss cable, Red color, L,U.FL con.
23	1	Cable ass'y 5G ANT	1.370D low loss cable, Gray color, L,U.FL con.

- Note:
- An [X] dim identifies a key characteristic, a (X)dimension is for information purposes only and no tolerance is implied.
  - U.FL Compatible Plug Angle:  
 Cable Length<100mm ±45°  
 Cable Length:100~200mm: ±90°  
 Cable Length>200mm :Will Not Be Controlled
  - All materials shall be ROHS compliant.
  - Antenna configuration: 4x 2G WiFi, 8x 5G WiFi. 1x BT

FOR TOLERANCES NOT SPECIFIED USE: unit: mm [X.X ±0.3] [X.XX ±0.20] METRIC: mm	DRAWN <b>JZ</b>	DATE <b>2024/6/19</b>	<p>PROPRIETARY DATA</p> <p>THE INFORMATION CONTAINED IN THIS DOCUMENT IS OF A PROPRIETARY NATURE AND MAY NOT BE USED OR REPRODUCED WITHOUT THE EXPRESSED WRITTEN PERMISSION OF AOT INC.</p>
	CHECKED	DATE	
	APPROVED	DATE	
	CUSTOMER:		
PROJECT: <b>B8709</b>	DESCRIPTION: <b>ANTENNA ASS'Y, 4X 2.4G WiFi, 8x 5G WiFi, 1x BT</b>		PN: <b>ANT-B8709-ZT01</b>
	SIZE <b>C</b>	SCALE <b>1:1</b>	SHEET <b>1 OF 1</b>