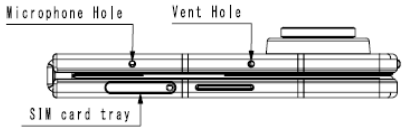
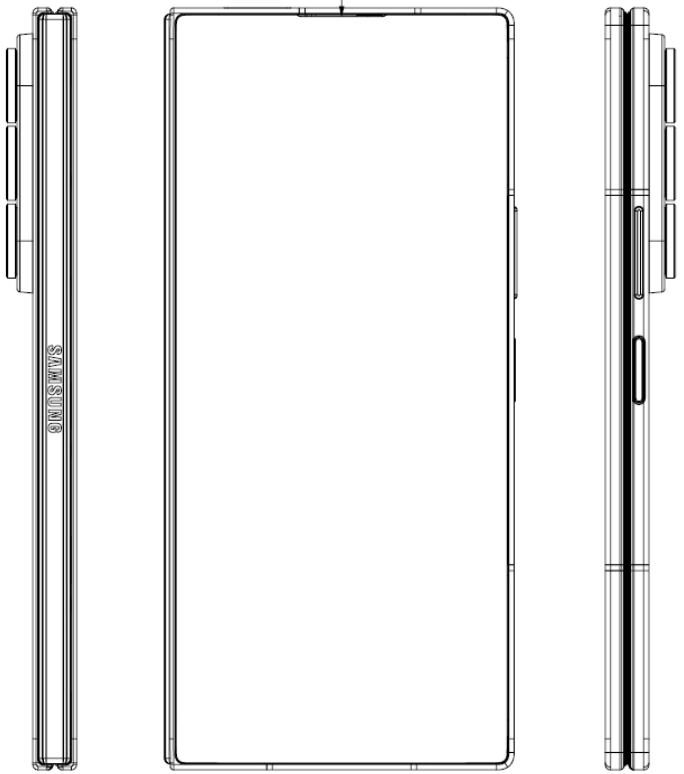
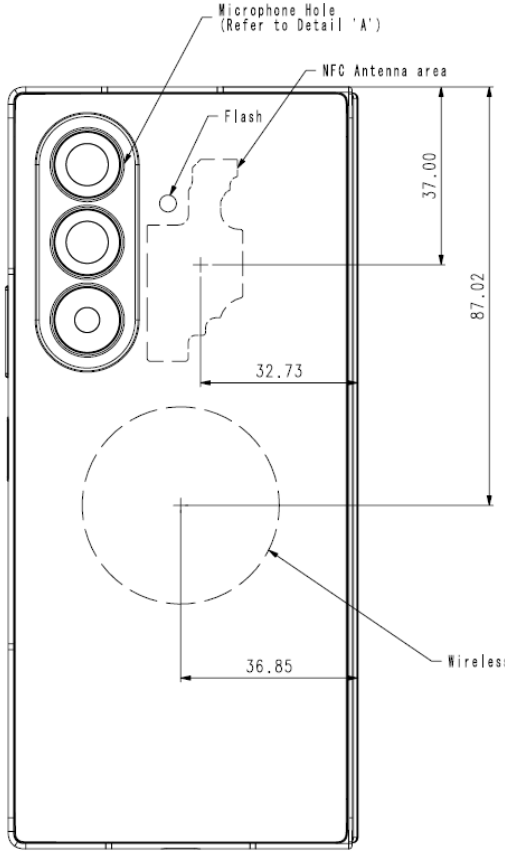
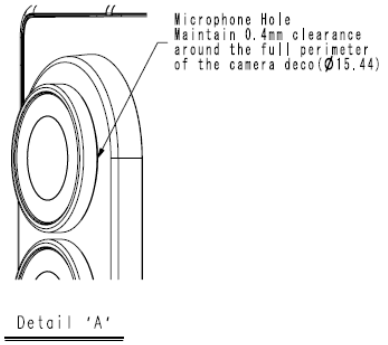
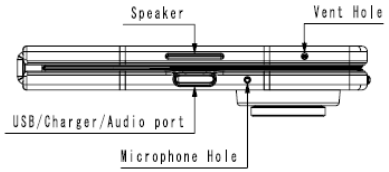










[NOTE]

1. Do not block ports (USB/Charger/Audio port)
2. Do not block holes (Microphone, Speaker, Vent)
3. Do not block the image features (Camera, Flash)
4. Do not obstruct NFC Antenna and wireless charging coil area with metal or other conductive material

Projection: 3rd ANGLE	SAMSUNG	Scale: None; Size S; Unit: mm; Sheet No.: 1/1	Model: Galaxy Fold8 Ultra

☐ MPP Cover Guide #1

① Magnet Position (d_{shift} : 7.8mm)

- Magnet center is offset 7.8mm below device center.

② Cover Thickness ($d_{z,1}$: 1.25~1.89T) ($d_{z,1} = d_{z,2} + d_m + d_{z,3} + d_{z,air}$)

- Q8 devices are designed for Qi2 standard at 1.25~1.89T
- $d_{z,1}$ includes the air gap between the device and cover.
- The sum of $d_{z,air}$ and $d_{z,3}$ shall be 0.3T,

  and adjustable within this range.

③ Thickness of Magnet ↔ Cover Surface ($d_{z,2}$: 0.35~0.75T)

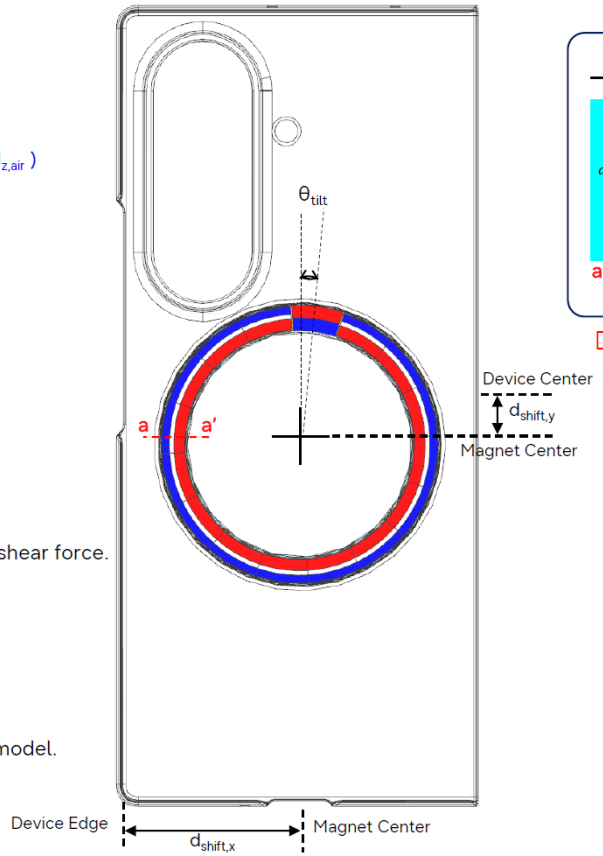
- Design required **0.39T** to maintain ideal

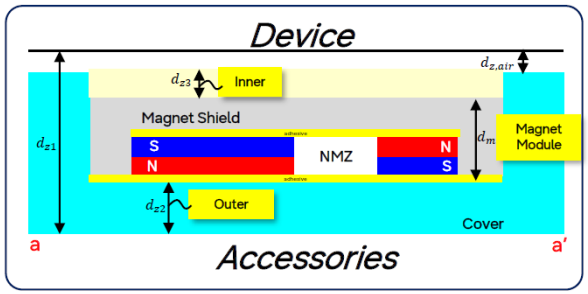
  magnetic coupling with accessories.
- Maximum 0.75T to be maintained to control pull force / shear force.

④ Tilt Angle of 'A' Magnet (θ_{tilt})

- 'A' magnet is located between SPCC slit;

  see 'Magnet Characteristics' page for details.
- θ_{tilt} may vary depending on the hall IC position of each model.





☐ Key Dimension

	Spec
θ_{tilt} (Tol. ±1°)	7.5°
$d_{shift,y}$	7.8 mm
$d_{shift,x}$	35.88 mm
$d_{z,1}$	1.25 ~ 1.89mm
$d_{z,2}$	0.35 ~ 0.75 mm (Max 0.75mm, minus tol. only)
$d_{z,3}+d_{z,air}$	0.3 mm

Projection: 3rd ANGLE	SAMSUNG	Scale: None / Size: S / Unit: mm / Sheet No.: 1/1	Model: Galaxy Fold8 Ultra

☐ MPP Cover Guide #2

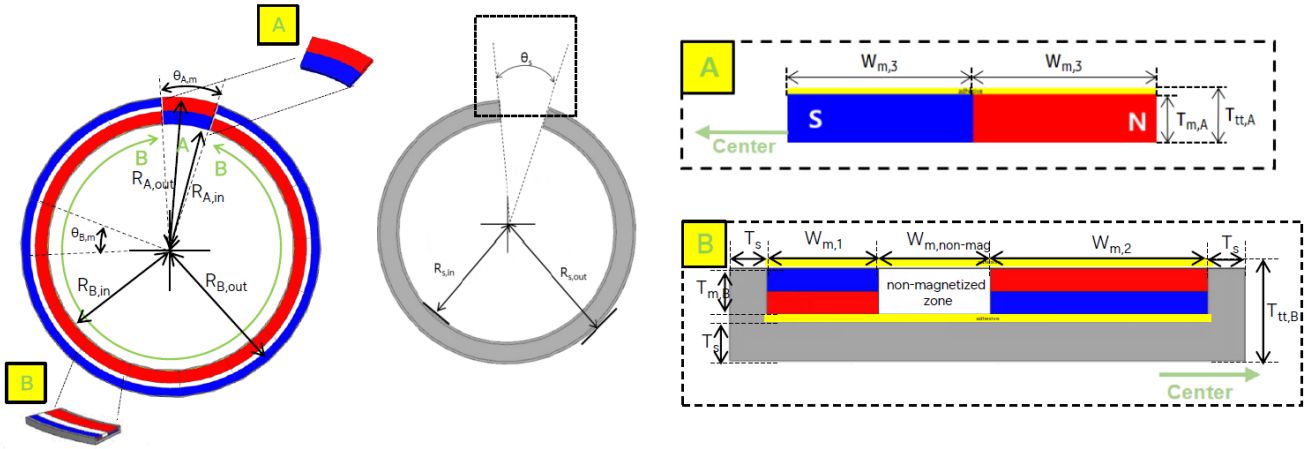
① 'A' Magnet is designed to prevent bridging in SPCC slit : Epoxy Coating & $\theta_{A,m}$ (21.5 °)

② Magnetized zone : Magnetized zone of 'B' Magnet is Asymmetric

③ 'A' and 'B' Magnet have different thickness : $T_{m,A}$ (0.7T) , $T_{m,B}$ (0.3T)

④ Magnet Shield Thickness and Material : T_s : 0.2T / SPCC (EGI)

⑤ Total Thickness : Ttt,A / Ttt,B includes adshesive applied to the cover



☐ Key Dimension (Magnet Shield)

Material	SPCC (EGI)
θ_s	22.5°
$R_{s,in}$	22.8 mm
$R_{s,out}$	27.95 mm
Magnet Shield Width ($R_{s,out} - R_{s,in}$)	5.15mm
T_s	0.2 mm

☐ Key Dimension (Magnet)

	Spec
Magnet Grade (Surface Finish)	A : N55SH (Epoxy) B : N55SH (Ni)
$\theta_{A,m}$ / $\theta_{B,m}$	A : 21.5° B : 22.5°
$R_{A,in}$ / $R_{A,out}$	22.8 / 27.95 mm
$R_{B,in}$ / $R_{B,out}$	23.0 / 27.75 mm
$W_{m,1}$	1.6 mm
$W_{m,non-mag}$	0.9 mm
$W_{m,2}$	2.25 mm
$W_{m,3}$	2.575 mm
Magnet Width	A: 5.15 mm B : 4.75 mm
T_{adh} (magnet ↔ cover)	0.05 mm
$T_{m,A}$	0.7 mm
$T_{m,B}$	0.3 mm
T_{adh} (magnet ↔ SPCC)	0.05 mm
$T_{tt,A}$	0.75 mm
$T_{tt,B}$	0.6 mm

Projection: 3rd ANGLE	SAMSUNG	Scale: None Size: S Unit: mm Sheet No.: 1/1	Model: Galaxy Fold8 Ultra