

Approval Paper

Internal Antenna

Manufacturer: KYOCERA AVX COMPONENTS INCHEON

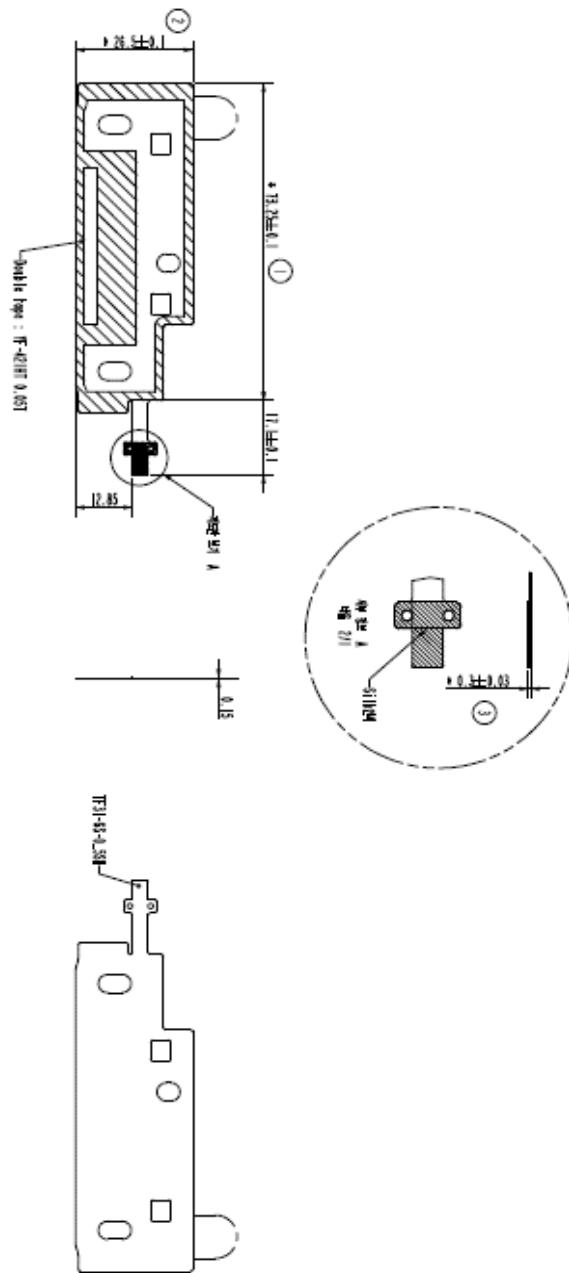
MODEL: BS3 HF_ANT_PS

PART No: MF740M-13F-R02

page2 ----- Specification

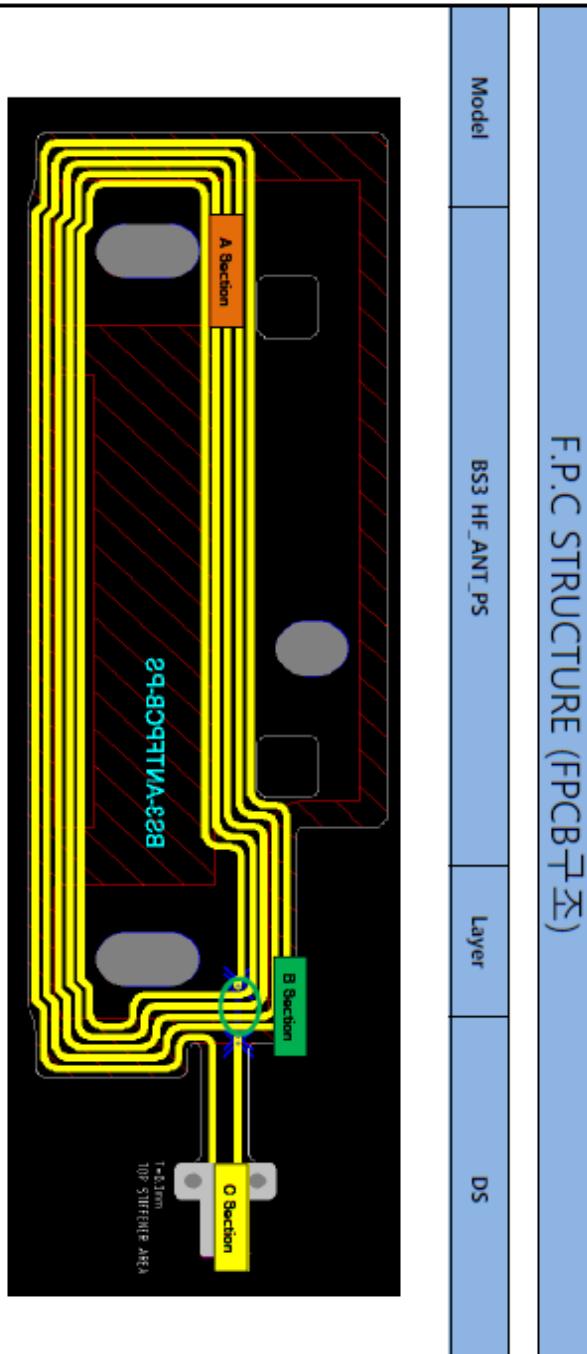
Drawing & Picture

DRAWING NUMBER - REFERENCE DRAWING		EXPLANATION	NOT	REV D
A		1st Revision	REV A	



TOLERANCE	GEOMETRIC DIMENSIONAL TOLERANCE		SCALE : 1:1 (in mm)	SUPPLEMENT
	1	1		
1. 10.0	1	1		GEOMETRY NOT TO BE SUPERIMPOSED ON ALL OTHER TOLERANCES
2. 11.15 ± 0.05	±0.05	±0.05		NOT TO BE SUPERIMPOSED ON ALL OTHER TOLERANCES
3. 13.35 ± 0.05	±0.05	±0.05		NOT TO BE SUPERIMPOSED ON ALL OTHER TOLERANCES
4. 0.15 ± 0.05	±0.05	±0.05		NOT TO BE SUPERIMPOSED ON ALL OTHER TOLERANCES
5. 0.441.3 ± 0.05	±0.05	±0.05		NOT TO BE SUPERIMPOSED ON ALL OTHER TOLERANCES
6. 0.5 ± 0.05	±0.05	±0.05		NOT TO BE SUPERIMPOSED ON ALL OTHER TOLERANCES
7. 2.0 ± 0.05	±0.05	±0.05		NOT TO BE SUPERIMPOSED ON ALL OTHER TOLERANCES
8. 2.0 ± 0.05	±0.05	±0.05		NOT TO BE SUPERIMPOSED ON ALL OTHER TOLERANCES

F.P.C STRUCTURE (FPCB 구조)



Layer	Item	Specification	A Section	B Section	C Section	품명	업체명
XXX	PAPER	PAPER		125.0		CPW(PESC_OST1207 (WHITE))	오성
XXX	TAPE	Adhesive		50.0		4972 (0.05T)	TESA
XXX	Kapton	Polyimide		125.0		5MIL (ADH 40um)	HANWHA
		Adhesive		40.0		HGCS-C850L	
C/S	Overlay	Polyimide	12.5	12.5	12.5	1/2MIL (ADH 25um)	HGCS-A505L(Y)
		Adhesive	25.0	25.0	25.0		HANWHA
	Cu Plate	Cu Plate	10.0			Cu Plate	Cu Plate
		Copper foil	36.0				
XXX	FCCL	Adhesive	15.0	15.0	15.0	1MIL 1OZ ED 3L 양면	HGS-L-D211EV
		Polyimide	25.0	25.0	25.0		HANWHA
S/S	Cu Plate	Copper foil	36.0	36.0	36.0		
	Cu Plate	Cu Plate	10.0	10.0	10.0	Cu Plate	Cu Plate
	Adhesive	25.0	25.0			1/2MIL (ADH 25um)	HANWHA
	Coverlay	Polyimide	12.5	12.5		HGCS-A505L(Y)	
AYER		1	2	1		SCM-500W(WHITE)	서울화학
Total Thickness		176.00	212.00	303.50		무전해 금도금	표면처리
Tolerance				0.31±0.03		NE: 3.7um, Au: MIN 0.03um	
※ PAPER 두께 제외							

All measurements were performed radiated and therefore additional antenna gain documentation is not required.