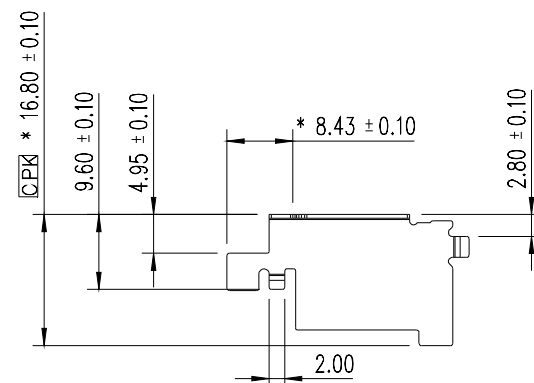
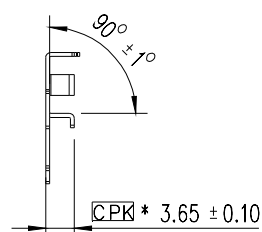
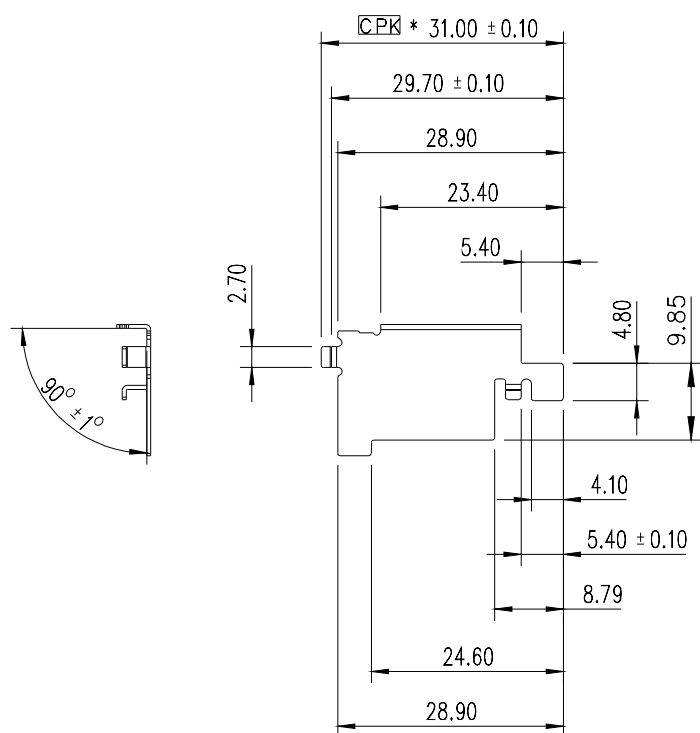
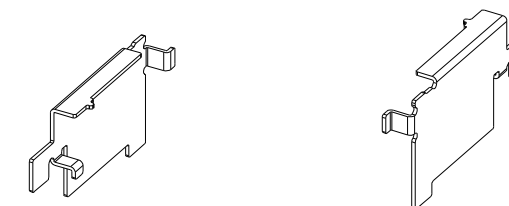
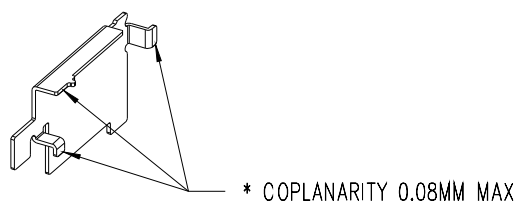
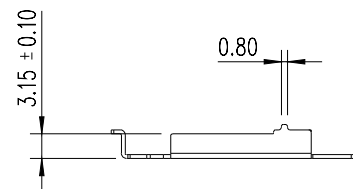


ITEM	CORP.	P/N
1	Space X	S00038810
2	WNC	81XPAD15.GAO
		3S.005FT.111

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



NOTES :

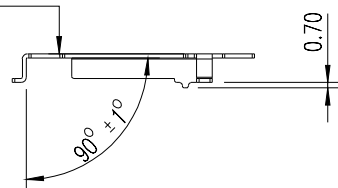
- GENERAL:
 - 3D DATABASE FEATURES TAKE PRECEDENCE OVER 2D DRAWINGS, REFER TO 3D DATABASE FILE.
 - DIMENSIONING AND TOLERANCING ARE PER ASME Y14.5-1994.

GENERAL 3D DATABASE TOLERANCE						
ANGULAR : ±0.5°						
LINEAR : APPLY AS SHOWN BELOW						
DIM.(mm)	0-10	10-40	40-80	80-120	120-200	200-300
TOLERANCE	±0.05	±0.07	±0.1	±0.15	±0.20	±0.30
PER ADDITIONAL 100 ±0.1						

- MATERIAL:
 - THICKNESS:0.5mm , STEEL SUS-304 PER JIS G4313.
 - ELECTROPLAT Ni 50u".
- EXPOSED EDGES SHALL BE CONDITIONED FOR HANDLING WITH INDUSTRY STANDARD BURR NO GREATER THAN 10% OF MATERIAL THICKNESS.
- BURR ON INSIDE.
- NO CORROSION, DIRT, RUST, GREASE, AND WATER STAIN ON SURFACES INDICATED.
- UNLESS OTHERWISE EVERY SPECIFIED, ALL ROUNDS INNER ARE R0.2 MAX.
- QUALIFICATION:
 - "*" INDICATES THE KEY DIMENSIONS.
 - "CPK" INDICATES DIMENSIONS AND/OR CRITERIA WHICH MUST BE CONTROLLED THROUGH S.P.C. METHODS AND MAINTAIN A CPK VALUE OF 1.33.
- PRODUCT INCOME BY TAPE & REEL PACKAGE AND STICK P/N LABEL ON IT.
- TEST REQUIREMENTS:

TEST ITEM	TEST SPEC.	TEST CONDITION	CRITERIA
1 HIGH TEMPERATURE TEST	70°C / 72 Hr -> AT ROOM TEMP./2hr.	IEC60068-2-2(E_WNC_0537)	NO CRACK, PEELING, DEFFOMATION, WRINKLE, DISCOLORATION, RUST
2 LOW TEMPERATURE TEST	-20°C / 72 Hr -> AT ROOM TEMP./2hr.	IEC60068-2-1(E_WNC_0536)	NO CRACK, PEELING, DEFFOMATION, WRINKLE, DISCOLORATION, RUST
3 THERMAL SHOCK TEST	-20°C/Hr -> +25°C/5min. -> 70°C/Hr -> +25°C/5min. * 20 CYCLE	IEC60068-2-14(E_WNC_0416)	NO CRACK, PEELING, DEFFOMATION, WRINKLE, DISCOLORATION, RUST
4 HIGH TEMPERATURE & HIGH HUMIDITY TEST	70 °C / 90% HUMIDITY/ 72 Hr. -> AT ROOM TEMP./2hr	IEC60068-2-78(E_WNC_0417)	NO CRACK, PEELING, DEFFOMATION, WRINKLE, DISCOLORATION, RUST
5 SALT SPRAY TEST	5% SALT CONCENTRATION / 35°C / 48 HOURS	ASTM B117-73	NO CORROSION OR CRYSTALLIZATION ON THE SAMPLE SURFACE
6 SOLDERABILITY TEST-SMT	DEFECT-FREE CONTINUOUS SOLDER COATING>95%	IEC60068-2-20	MEET SPEC.

COPLANARITY 0.15MM MAX



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN mm AND TOLERANCES ARE: INTEGER DIMENSIONS ± 0.2 1 PLACE DECIMAL ± 0.1 2 PLACE DECIMALS ± 0.05 ANGULAR DIMENSIONS ± 1° HOLES UNDER Ø 5.00 ± 0.05		THIRD ANGLE PROJECTION 		WNC 啓碁科技股份有限公司 Wistron NeWeb Corp. 20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan, R.O.C. Tel: 886-3-6667799 Fax: 886-3-5788726	
DRAWN GAVIN YANG M/D/Y 02/22/24		SIZE A3		DWG TITLE ANTENNA, WIFI 2/5G_2, XPAD-N1	
ENGR GAVIN YANG M/D/Y 02/22/24		SCALE 1/1		SHEET 2 OF 3	
APVD M/D/Y		DWG NO. 3S.005FT.111		REV D	

1

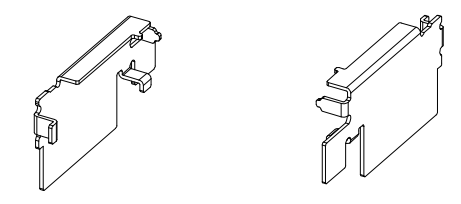
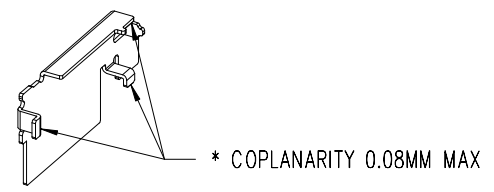
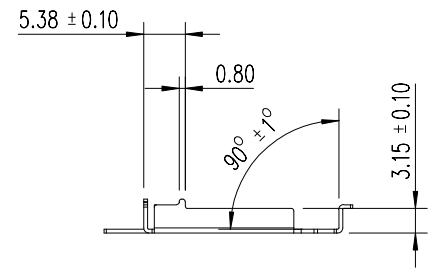
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WNC CONFIDENTIAL

ITEM	CORP.	P/N
1	Space X	S00038811
2	WNC	81XPAD15.GAN
		3S.005FR.111

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

A

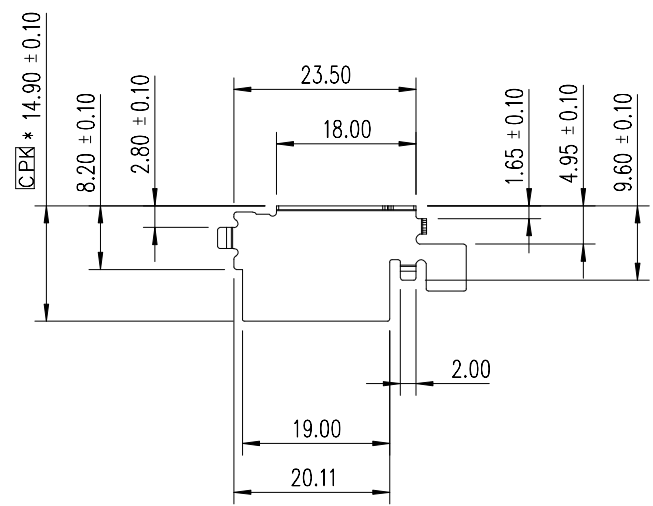
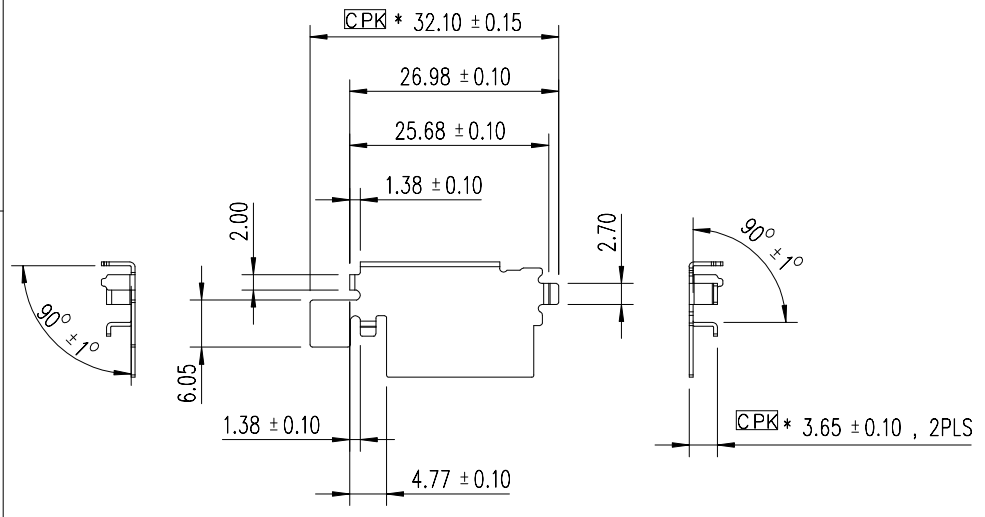


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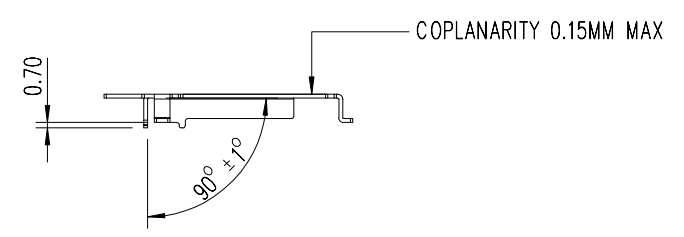
- NOTES :
- GENERAL:
 - 3D DATABASE FEATURES TAKE PRECEDENCE OVER 2D DRAWINGS, REFER TO 3D DATABASE FILE.
 - DIMENSIONING AND TOLERANCING ARE PER ASME Y14.5-1994.

GENERAL 3D DATABASE TOLERANCE						
ANGULAR : ±0.5°						
LINEAR : APPLY AS SHOWN BELOW						
DIM.(mm)	0-10	10-40	40-80	80-120	120-200	200-300
TOLERANCE	±0.05	±0.07	±0.1	±0.15	±0.20	±0.30
PER ADDITIONAL 100 ±0.1						

- MATERIAL:
 - THICKNESS: 0.5mm , STEEL SUS-304 PER JIS G4313.
 - ELECTROPLAT Ni 50u".
- EXPOSED EDGES SHALL BE CONDITIONED FOR HANDLING WITH INDUSTRY STANDARD BURR NO GREATER THAN 10% OF MATERIAL THICKNESS.
- BURR ON INSIDE.
- NO CORROSION, DIRT, RUST, GREASE, AND WATER STAIN ON SURFACES INDICATED.
- UNLESS OTHERWISE EVERY SPECIFIED, ALL ROUNDS INNER ARE R0.2 MAX.
- QUALIFICATION:
 - "*" INDICATES THE KEY DIMENSIONS.
 - "CPK" INDICATES DIMENSIONS AND/OR CRITERIA WHICH MUST BE CONTROLLED THROUGH S.P.C. METHODS AND MAINTAIN A CPK VALUE OF 1.33.
- PRODUCT INCOME BY TAPE & REEL PACKAGE AND STICK P/N LABEL ON IT.
- TEST REQUIREMENTS:



B



TEST ITEM	TEST SPEC.	TEST CONDITION	CRITERIA
1 HIGH TEMPERATURE TEST	70°C / 72 Hr -> AT ROOM TEMP./2hr.	IEC60068-2-2(E_WNC_0537)	NO CRACK, PEELING, DEFFOMATION, WRINKLE, DISCOLORATION, RUST
2 LOW TEMPERATURE TEST	-20°C / 72 Hr -> AT ROOM TEMP./2hr.	IEC60068-2-1(E_WNC_0536)	NO CRACK, PEELING, DEFFOMATION, WRINKLE, DISCOLORATION, RUST
3 THERMAL SHOCK TEST	-20°C/Hr -> +25°C/5min. -> 70°C/Hr -> +25°C/5min. * 20 CYCLE	IEC60068-2-14(E_WNC_0416)	NO CRACK, PEELING, DEFFOMATION, WRINKLE, DISCOLORATION, RUST
4 HIGH TEMPERATURE & HIGH HUMIDITY TEST	70 °C / 90% HUMIDITY/ 72 Hr. -> AT ROOM TEMP./2hr	IEC60068-2-78(E_WNC_0417)	NO CRACK, PEELING, DEFFOMATION, WRINKLE, DISCOLORATION, RUST
5 SALT SPRAY TEST	5% SALT CONCENTRATION / 35°C / 48 HOURS	ASTM B117-73	NO CORROSION OR CRYSTALLIZATION ON THE SAMPLE SURFACE
6 SOLDERABILITY TEST-SMT	DEFECT-FREE CONTINUOUS SOLDER COATING>95%	IEC60068-2-20	MEET SPEC.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN mm AND TOLERANCES ARE: INTEGER DIMENSIONS ± 0.2 1 PLACE DECIMAL ± 0.1 2 PLACE DECIMALS ± 0.05 ANGULAR DIMENSIONS ± 1° HOLES UNDER Ø 5.00 ± 0.05		THIRD ANGLE PROJECTION 		 啓碁科技股份有限公司 20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan, R.O.C. Tel: 886-3-6667799 Fax: 886-3-5788726	
DRAWN GAVIN YANG M/D/Y 02/22/24		SIZE DWG NO.		ANTENNA, WIFI 2/5G_1, XPAD-N1	
ENGR GAVIN YANG M/D/Y 02/22/24		A3		3S.005FR.111	
APVD M/D/Y		SCALE 1/1		SHEET 1 OF 3	

1

2

B

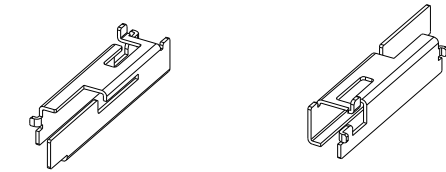
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2

WNC CONFIDENTIAL

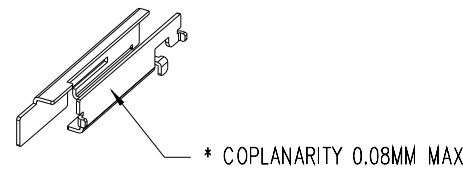
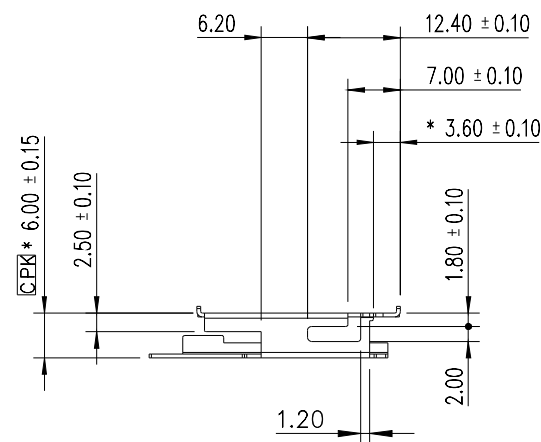
ITEM	CORP.	P/N
1	Space X	S00038812
2	WNC	81XPAD15.GAP
		3S.005FU.111

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



A

A



NOTES :

- GENERAL:
 - 3D DATABASE FEATURES TAKE PRECEDENCE OVER 2D DRAWINGS, REFER TO 3D DATABASE FILE.
 - DIMENSIONING AND TOLERANCING ARE PER ASME Y14.5-1994.

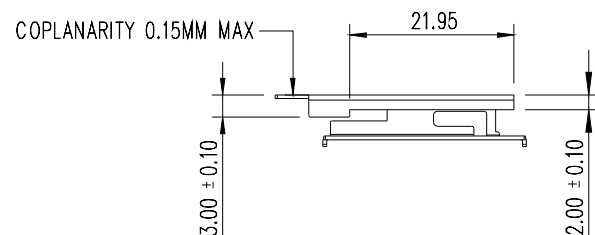
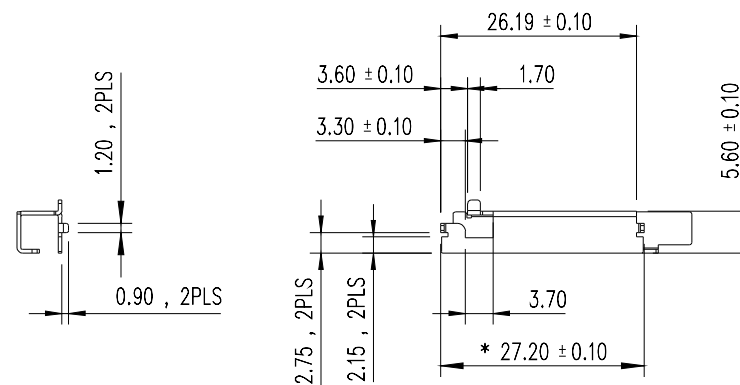
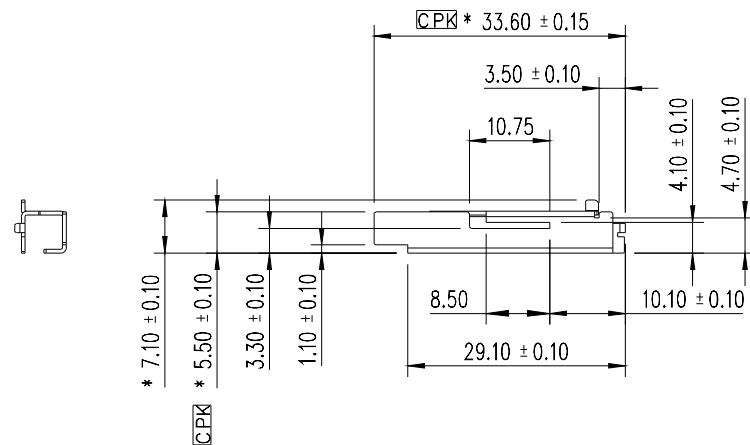
GENERAL 3D DATABASE TOLERANCE						
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LINEAR : APPLY AS SHOWN BELOW						
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PER ADDITIONAL 100 ±0.1						

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- TEST REQUIREMENTS:

TEST ITEM	TEST SPEC.	TEST CONDITION	CRITERIA
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5 SALT SPRAY TEST	5% SALT CONCENTRATION / 35°C / 48 HOURS	ASTM B117-73	NO CORROSION OR CRYSTALLIZATION ON THE SAMPLE SURFACE
6 SOLDERABILITY TEST-SMT	DEFECT-FREE CONTINUOUS SOLDER COATING>95%	IEC60068-2-20	MEET SPEC.

B

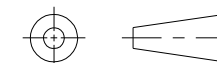
B



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN mm AND TOLERANCES ARE:

INTEGER DIMENSIONS	± 0.2
1 PLACE DECIMAL	± 0.1
2 PLACE DECIMALS	± 0.05
ANGULAR DIMENSIONS	± 1°
HOLES UNDER Ø 5.00	± 0.05

THIRD ANGLE PROJECTION



WNC 啓碁科技股份有限公司
 Wistron NeWeb Corp.
 20 Park Avenue II, Hsinchu Science Park,
 Hsinchu 308, Taiwan, R.O.C.
 Tel: 886-3-6667799 Fax: 886-3-5788726

DWG TITLE

ANTENNA, WIFI 2/5G_3, XPAD-N1

DRAWN	GAVIN YANG	M/D/Y	02/22/24	SIZE	DWG NO.	REV
ENGR	GAVIN YANG	M/D/Y	02/22/24	A3	3S.005FU.111	D
APVD		M/D/Y		SCALE	1/1	SHEET 3 OF 3

1

2