

REV.	ECN NO./DESCRIPTION	DATE
B	NDR220087	11/01'22
C	NDR220087	11/01'22
D	NDR220087	01/12'23

NOTES:

1.MATERIAL SPECIFICATION:

1-1.HOUSING: LCP,BLACK UL94V-0;

1-2.CONTACT: COPPER ALLOY ;

2.PLATING SPECIFICATION:

2-1.CONTACT: NICKEL 50u"MIN.UNDER PLATING OVER ALL.

Au 1u" MIN PLATING ON SOLDER AREA SEE TABLE.

Au 2u" MIN PLATING ON CONTACT AREA.

3.ELECTRICAL PERFORMANCE:

3-1.CURRENT RATING: 1.5A/PIN MAX.

3-2.INSULATION RESISTANCE: DC 500V 100MΩ.

3-3.DIELECTRIC WITHSTAND VOLTAGE: 500V AC FOR 1 min.

4.MECHANICAL PERFORMANCE:

4-1.CONTACT NORMAL FORCE: INITIAL 40GF Min/PIN;

PREEE DOWN 0.35mm: AFTER 5000 CYCLES TEST: 30GF Min/PIN;

PREEE DOWN 0.45mm: AFTER 5000 CYCLES TEST: 30GF Min/PIN;

PREEE DOWN 0.55mm: AFTER 3000 CYCLES TEST: 30GF Min/PIN;

4-2.COMPRESSION LIFE:

Press down 0.35mm: 5000 CYCLES;

Press down 0.45mm: 5000 CYCLES;

Press down 0.55mm: 3000 CYCLES;

5.IR REFLOW:

5-1.THE PEAK TEMPERATURE ON THE BOARD SHALL
MAINTAIN 10±1 SECONDS AT 260±5°C.

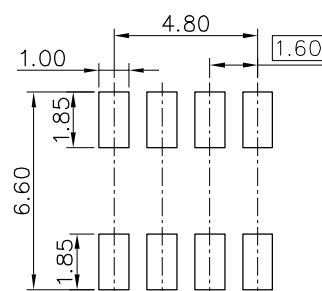
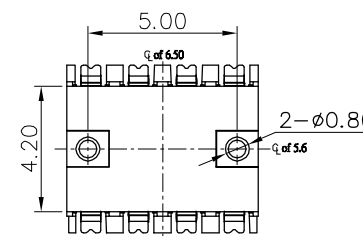
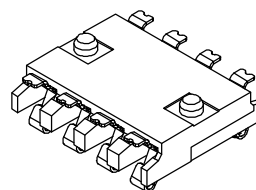
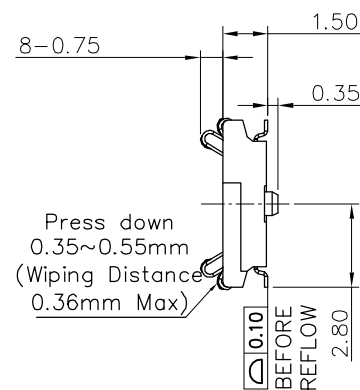
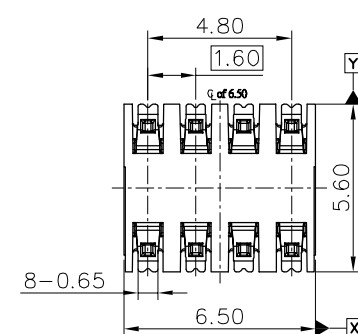
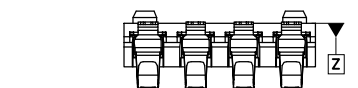
6.RECOMMEND STENCIL THICKNESS : 0.12mm~0.15mm.

7.HSF COMPLIANT(RoHS 2.0,HF,PFOS)

8.PRODUCT NUMBER NOTE:

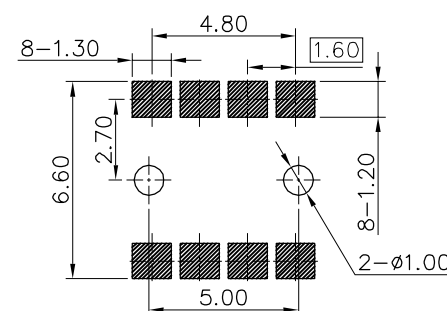
ABTBA018-P001A61C

CONNECT
CUSTOMER CODE
PACKAGE TYPE
SERIAL NUMBER
P: HF COMPLIANT
PRODUCT CODE
PRODUCT TYPE
FINISHED PRODUCT




RECOMMENDED GOLDFINGER DIMENSION

TOLERANCE: ± 0.05
GOLDFINGER PAD(GOLD PLATING 2u" MIN)

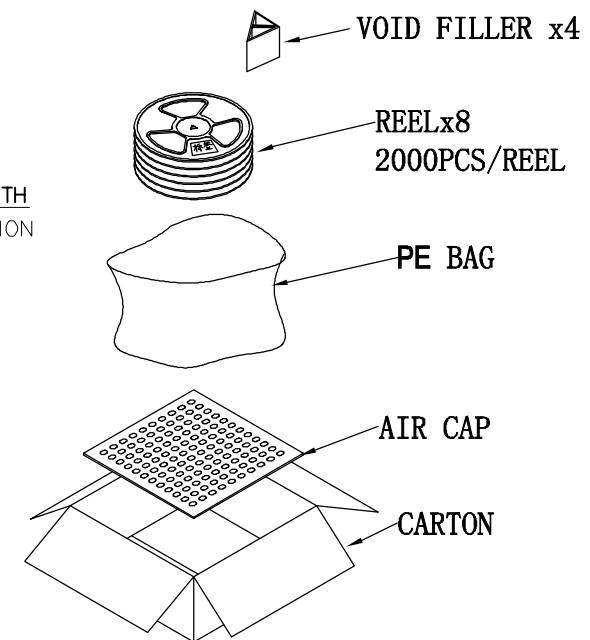
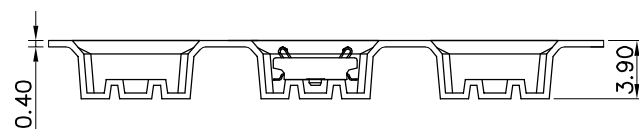
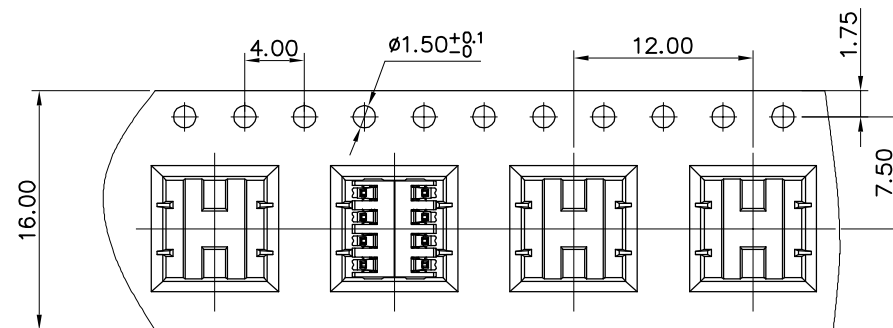
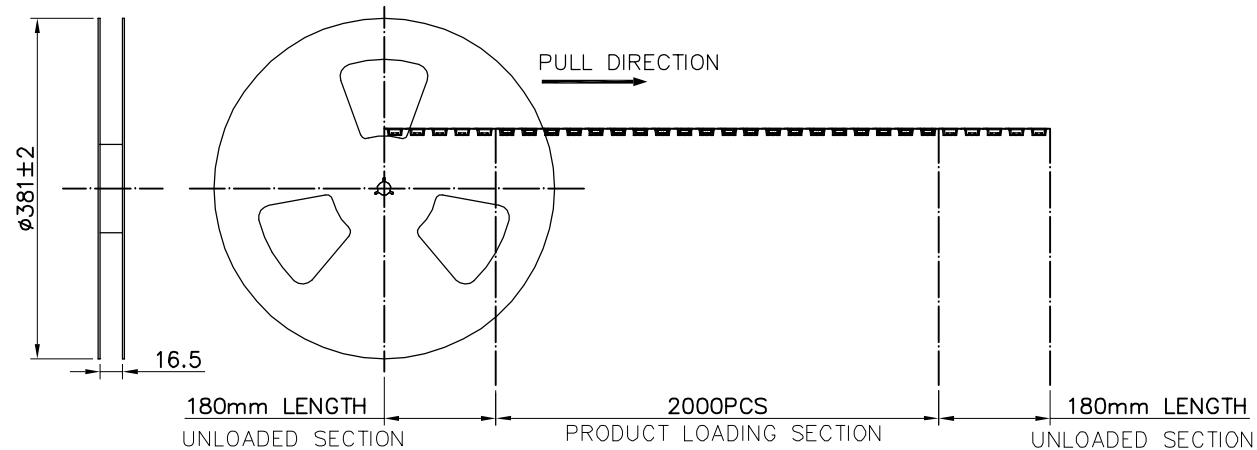


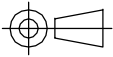
RECOMMENDED PCB LAYOUT(TOP VIEW)

TOLERANCE: ± 0.05
PCB PAD (GOLD PLATING 1~3u")

GENERAL TOLERANCES UNLESS SPECIFIED		PART NO. ABTBA018-P001A61C	LOTES			
X± 0.35	X.°± 3°	APPROVED BY Grando Zhang 01/12'23	TITLE Spring BTB			
XX± 0.25	X.°± 2°					
XXX±0.15	XX.°± 1°	CHECKED BY Xuliang Yan 01/12'23	DWG NO. GAP-ABTBA018			
CUSTOMER DRAWING						
SIZE	UNITS	DRAWN BY		SHEET	SCALE	REV
A4	MM[INCH]	Johnson Jiang 01/12'23		1 / 2	4:1	D

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.X ± 0.35	X° ± 3°	APPROVED BY Grando Zhang 01/12'23	TITLE Spring BTB		
.XX ± 0.25	X° ± 2°		DWG NO. GAP-ABTBA018		
.XXX ± 0.15	XX° ± 1°				
CUSTOMER DRAWING		CHECKED BY Xuliang Yan 01/12'23	 SHEET 2 / 2		
SIZE A4	UNITS MM[INCH]	DRAWN BY Johnson Jiang 01/12'23			
			SCALE 2:1	REV D	