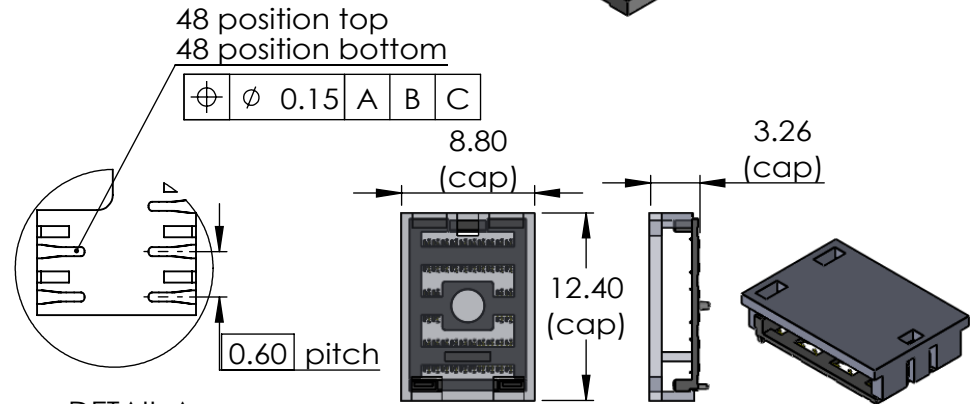
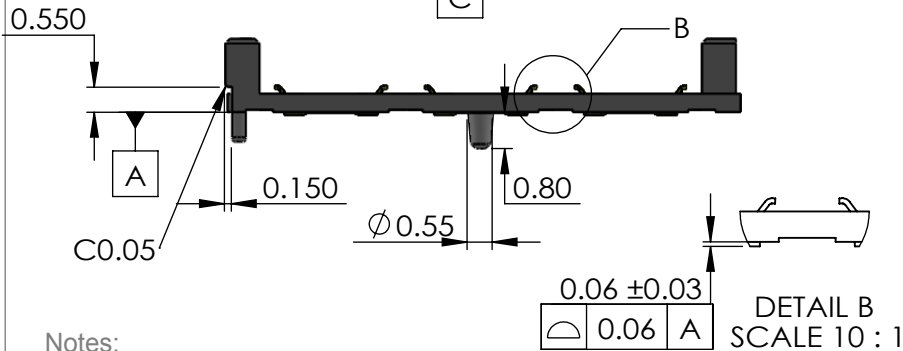
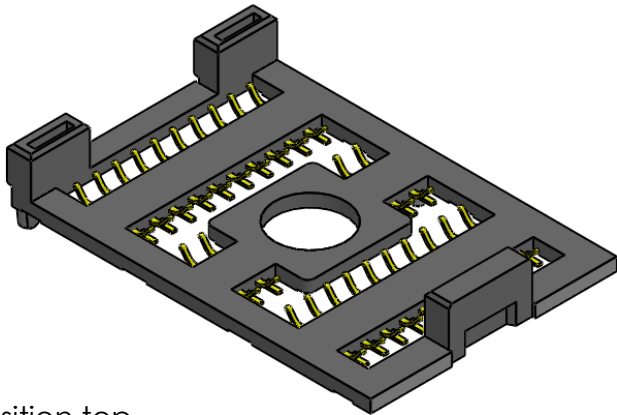
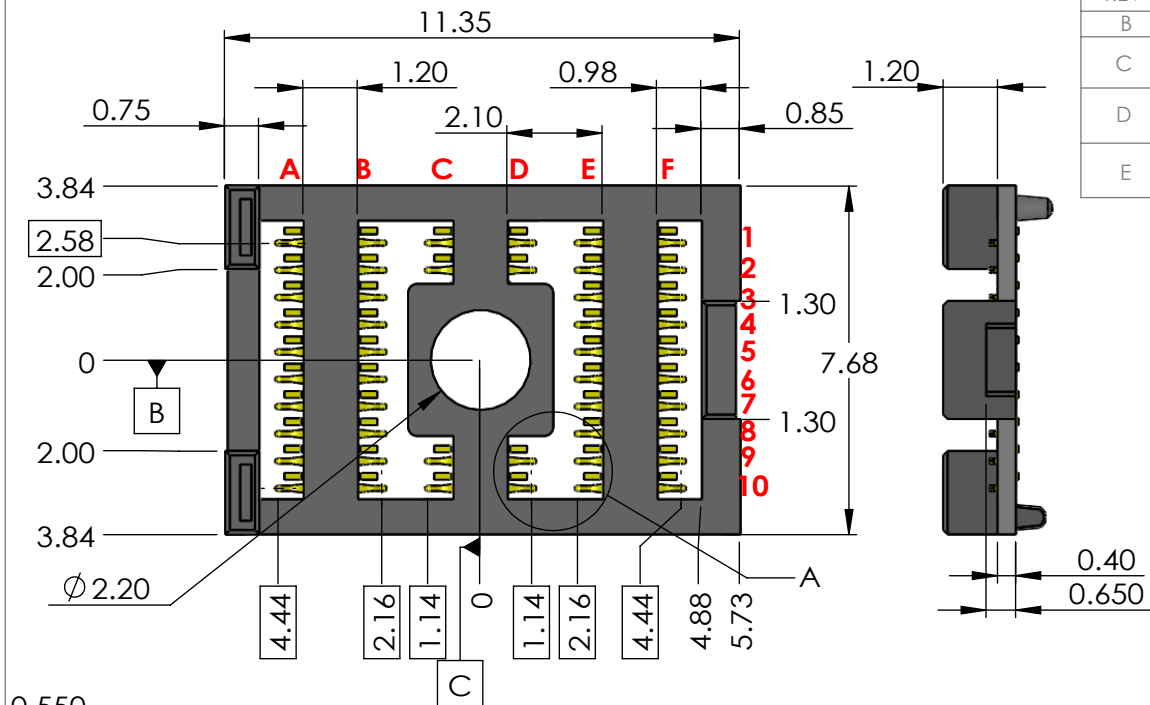


Revisions			
REV	ECN #	Description	Date
B	R20160002	Change the package from 1200pcs to 1000pcs	03/01-2016
C	R20160004	Change FPC pad dimensionsto center line & optimize metal stiffener dimensions	03/09-2016
D	R20160006	Increase housing height to 1.2 mm& revise connector size	03/29-2016
E	R20160007	Correct PCB footprint dimension, correct stiffener material from SUS301 to SUS304	04/06-2016



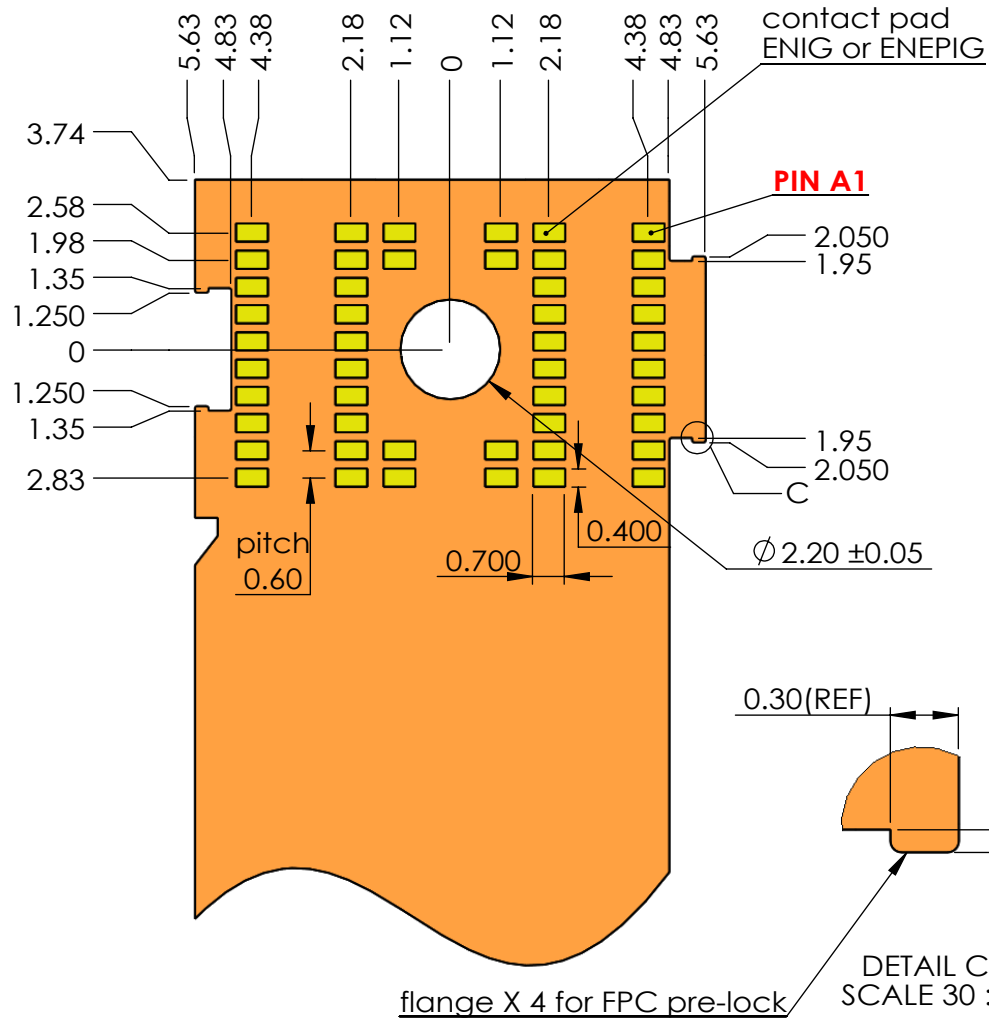
- Notes:
- Material:  
 Contacts: High performance copper alloy.  
 Housing: LCP resin, Glass fiber filled, UL94V-0 rated, black color.  
 Plating: 5 u" min gold plated on contact tip, gold flash on soldertail area, 70  $\pm$  30 u" nickel underplated.
  - This product compliants with European Union directives of RoHS requirements.
  - The product can withstand exposure peak temperature 260C for 10 sec in SMT soldering process.
  - Recommended stencil thickness no thinner than 0.1mm, solder past opening no less than pad size.

DIMENSIONS ARE IN mm TOLERANCES (unless otherwise specified):	
ANGULAR:	$\pm 2$ degree
LINEAR:	.X $\pm 0.15$
	.XX $\pm 0.08$
	.XXX $\pm 0.04$
MATERIAL	See note 1
FINISH	gold

	NAME	DATE
DRAWN	Jason Wu	11/30-2015
CHECKED	Gary Hsieh	11/30-2015
Appr	Gary Hsieh	11/30-2015
Release level	Production	
COMMENTS:	DO NOT SCALE DRAWING	
projection		

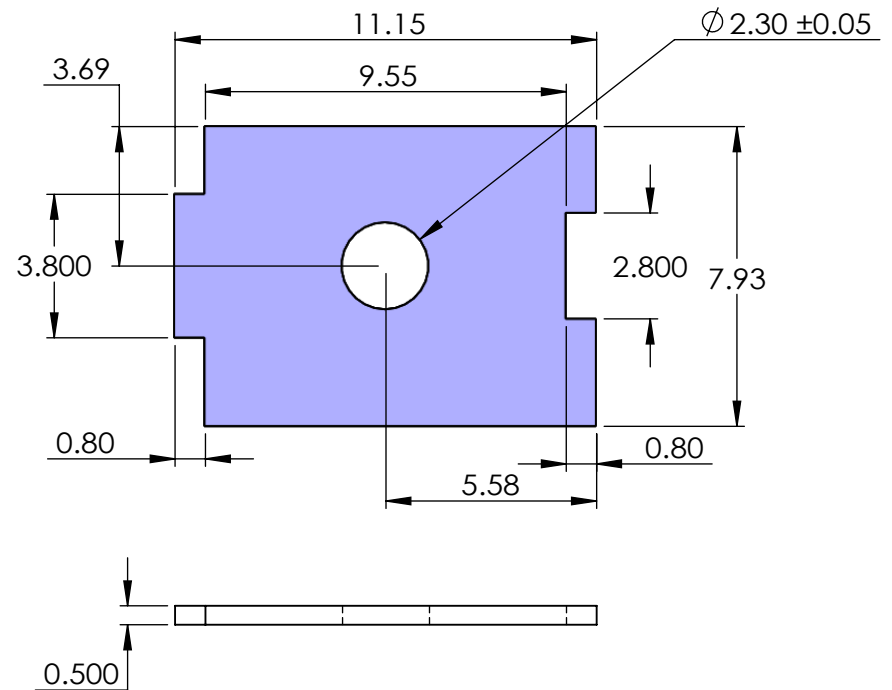
聯能科技 Unimicron Group	
Title: 48 pos X-Beam interposer (0.6 mm pitch, M2.0 screw)-with post	
SIZE	A
Neoconix P/N: XBM-D048C	
DWG. NO. XBGCB5009	
SCALE:5:1	WEIGHT:
SHEET 1 OF 6	

REV. E



## Recommend FPC footprint

- Note:
1. The stiffener is to align with connector housing when final assembly.
  2. The alignment tolerance for FPC & stiffener is  $\pm 0.075\text{mm}$ . (based on center of screw holes)



Material: SUS304

## Recommend FPC stiffener

DIMENSIONS ARE IN mm  
TOLERANCES (unless otherwise specified):

ANGULAR:  $\pm 2$  degree  
LINEAR: .X  $\pm 0.15$   
.XX  $\pm 0.08$   
.XXX  $\pm 0.04$

聯能科技 Unimicron Group

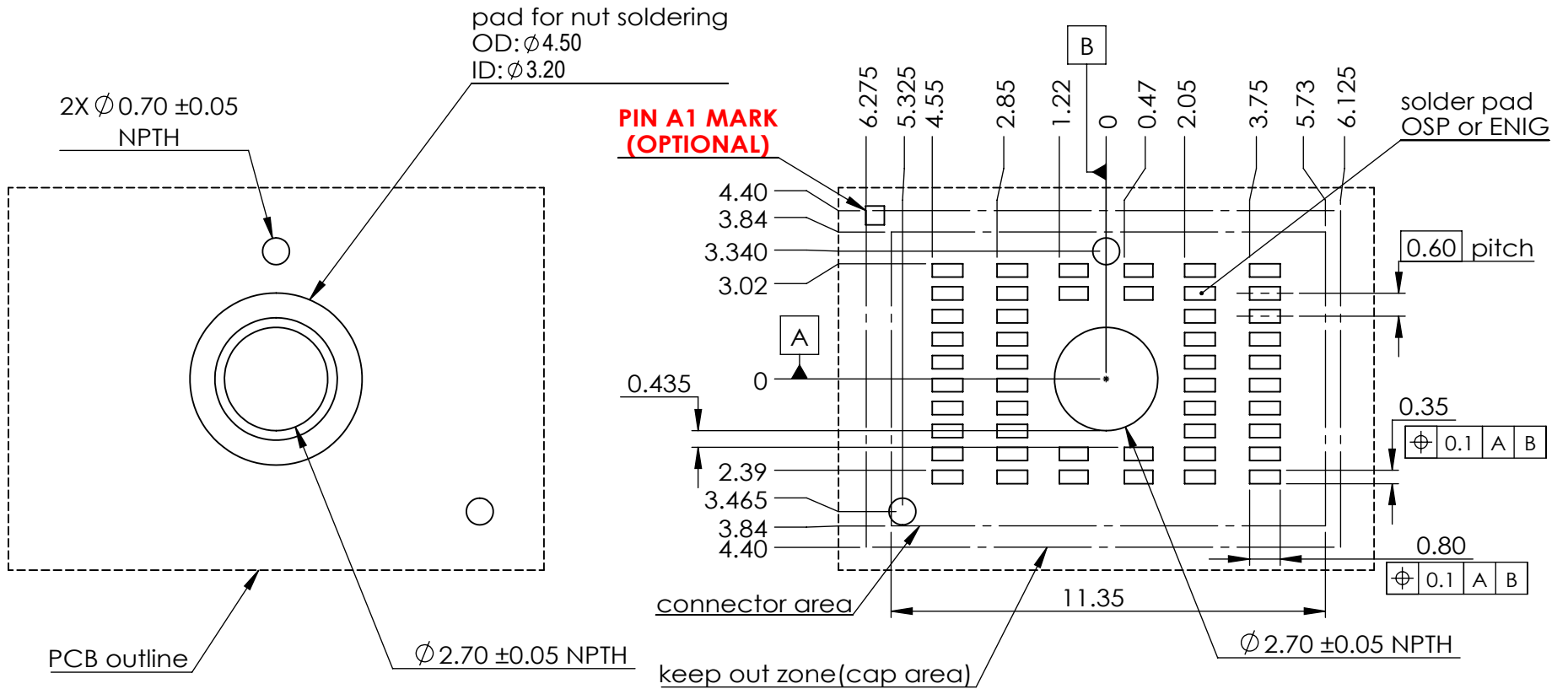
Title:  
48 pos X-Beam interposer (0.6 mm pitch, M2.0 screw)-with post

SIZE	<b>A</b>	Neoconix P/N: XBM-D048C DWG. NO. XBGCB5009	REV. E
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SCALE:5:1

WEIGHT:

SHEET 2 OF 6

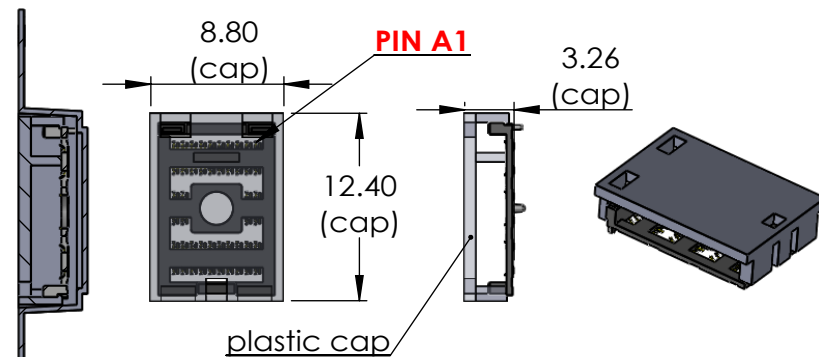
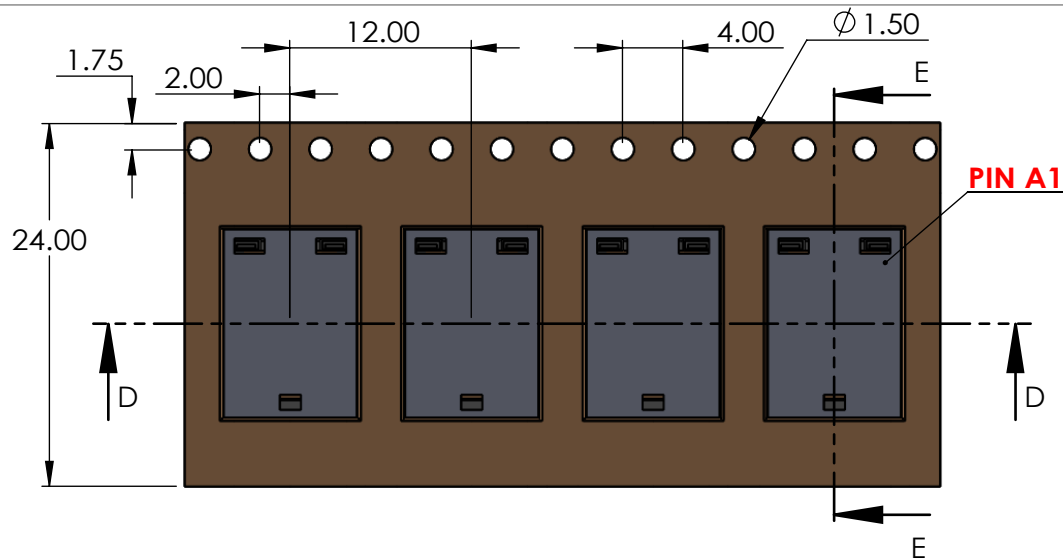


**Back side**

**Front side**

**Recommend PCB footprint**

DIMENSIONS ARE IN mm TOLERANCES (unless otherwise specified):  ANGULAR: ± 2 degree LINEAR: .X ±0.15 .XX ±0.08 .XXX ±0.04		<b>聯能科技 Unimicron Group</b>  Title: 48 pos X-Beam interposer (0.6 mm pitch, M2.0 screw)-with post	
SIZE <b>A</b>	<b>Neoconix P/N: XBM-D048C</b> DWG. NO. XBGCB5009	REV. E	SHEET 3 OF 6
SCALE:5:1	WEIGHT:		

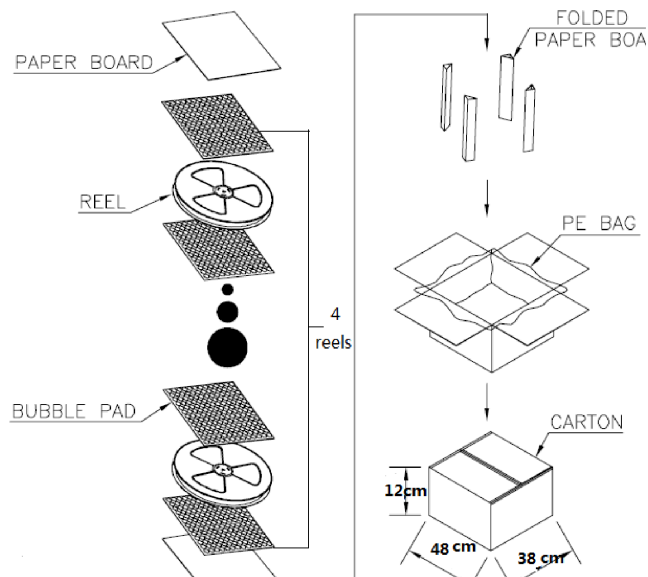


**Connector with cap**



SECTION D-D  
SCALE 2 : 1

**Tape & reel**



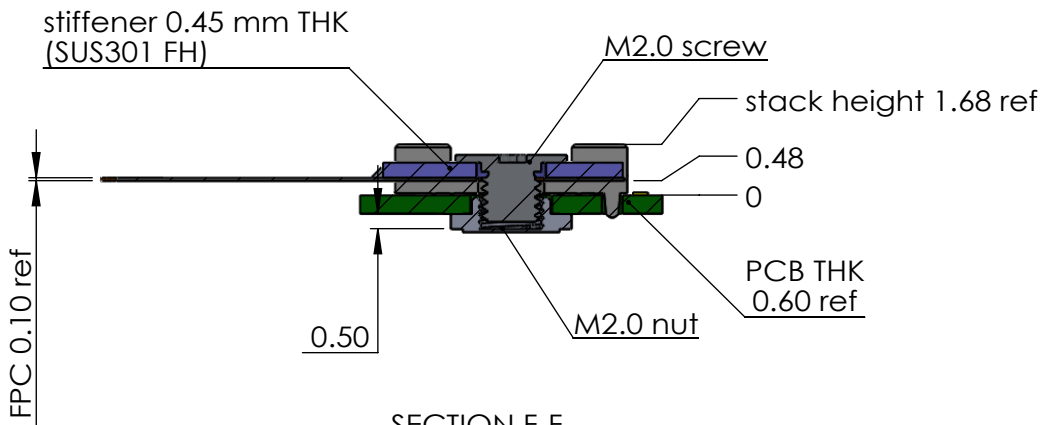
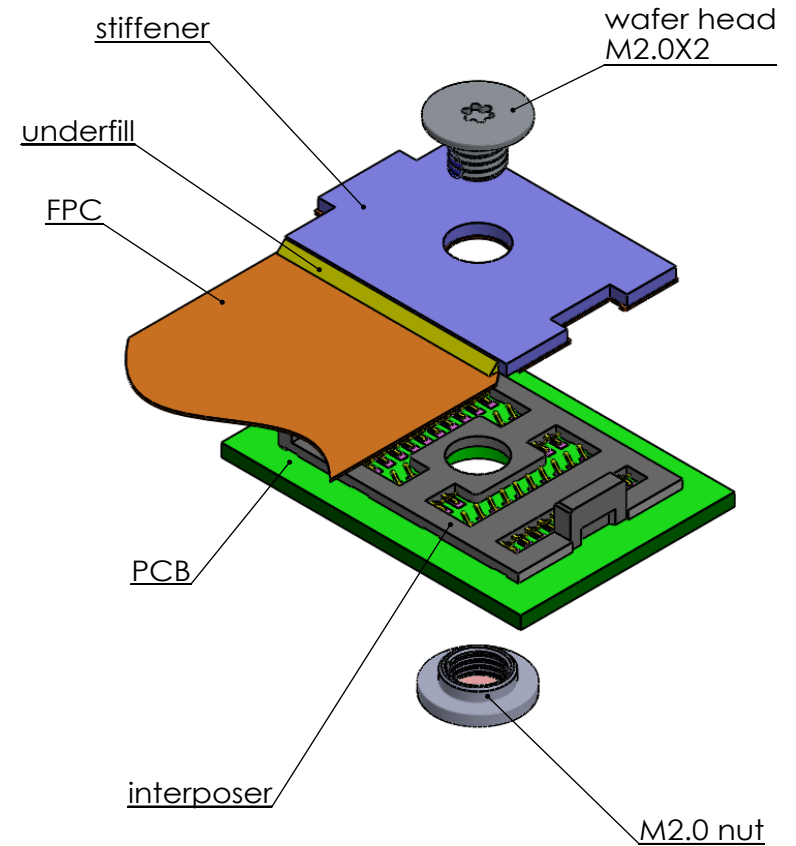
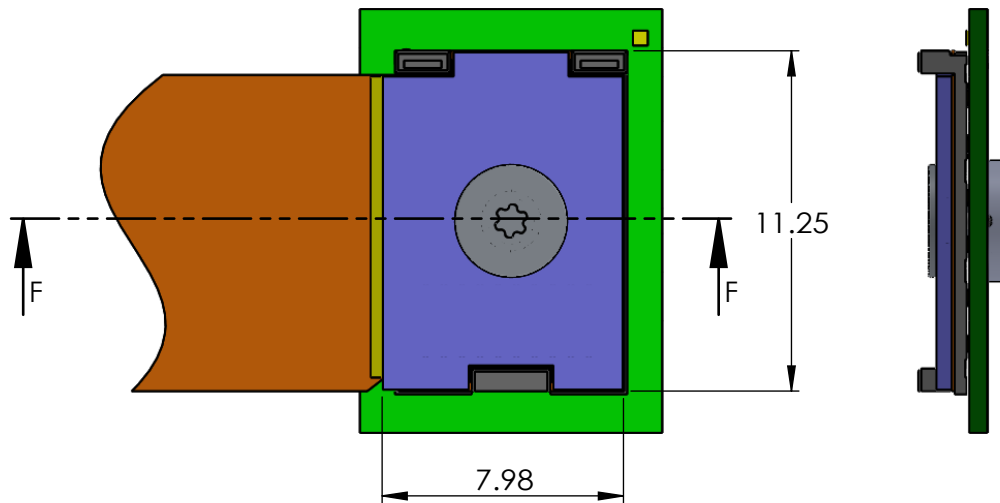
**Package**

1. 10 sprocket hole pitch cumulative tolerance  $\pm 0.20$ .
2. Carrier camber is within 1 mm in 250 mm.
3. Material : Transparent Polystyrene(PS).
4. All dimensions meet EIA-481-D requirements.
5. Thickness :  $0.30 \pm 0.05$ mm.
6. Packing length per 13" reel : 15.5 Meters.(RUR-24-3-XL)
7. Component load per 13" reel : 1000 pcs, 4 reel/carton (48cm\*38cm\*12cm),total 4000 pcs/carton.

聯能科技 Unimicron Group

Title:  
48 pos X-Beam interposer (0.6 mm pitch, M2.0 screw)-with post

SIZE	<b>A</b>	Neoconix P/N: XBM-D048C PART. NO. XBGC5009	REV. E
SCALE:5:1		WEIGHT:	SHEET 4 OF 6

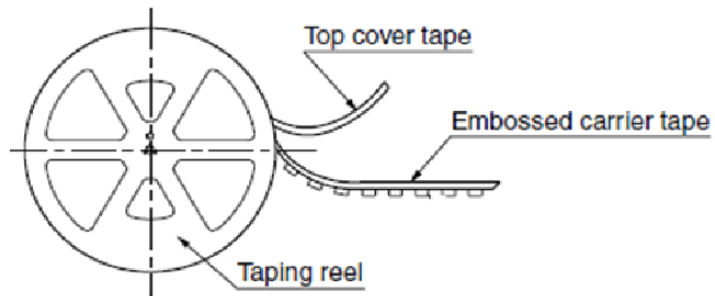


SECTION F-F  
SCALE 4 : 1

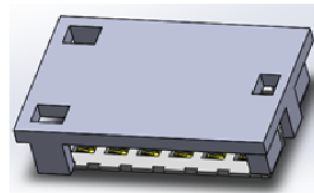
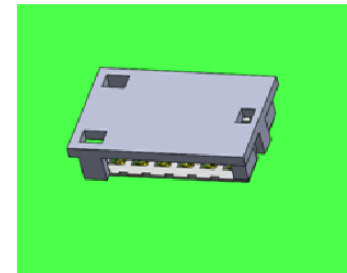
聯能科技 Unimicron Group

Title:  
48 pos X-Beam interposer (0.6 mm pitch, M2.0 screw)-with post

SIZE	<b>A</b>	Neoconix P/N: XBM-D048C DWG. NO. XBGCB5009	REV. E
SCALE:5:1		WEIGHT:	SHEET 5 OF 6

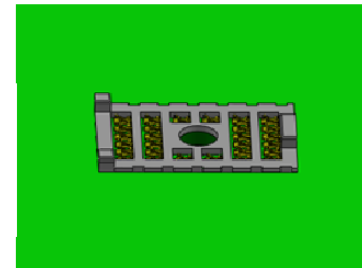


SMT

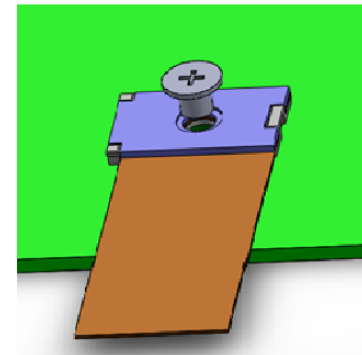


Connector with cap

Remove cap  
before FPC  
assy



Place FPC &  
screw lock



- Tape & reel or tray package for auto-SMT process on board.

## package and assembly process

聯能科技 Unimicron Group

Title:  
48 pos X-Beam interposer (0.6  
mm pitch, M2.0 screw)-with post

SIZE	<b>A</b>	Neoconix P/N: XBM-D048C DWG. NO. XBGCB5009	REV. E
SCALE:5:1		WEIGHT:	SHEET 6 OF 6