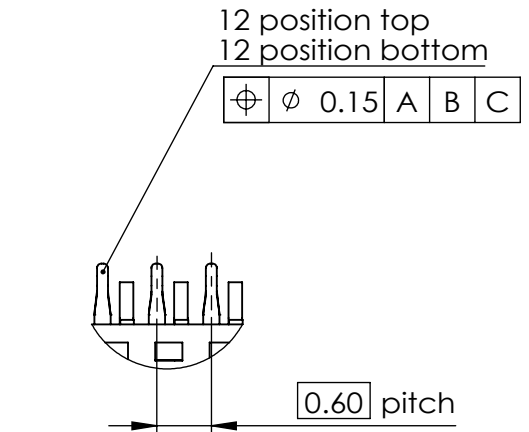
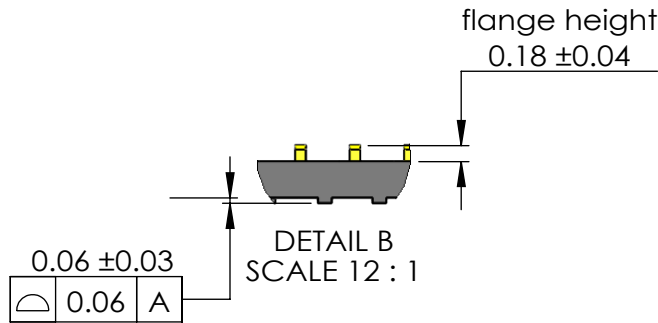
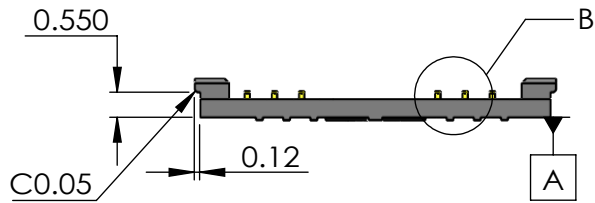
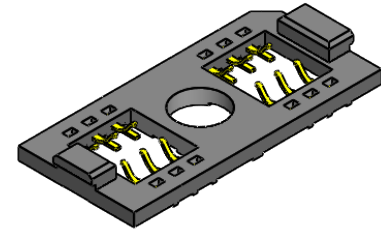
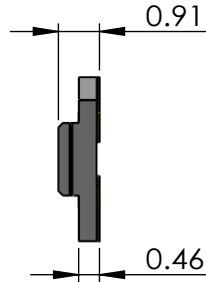
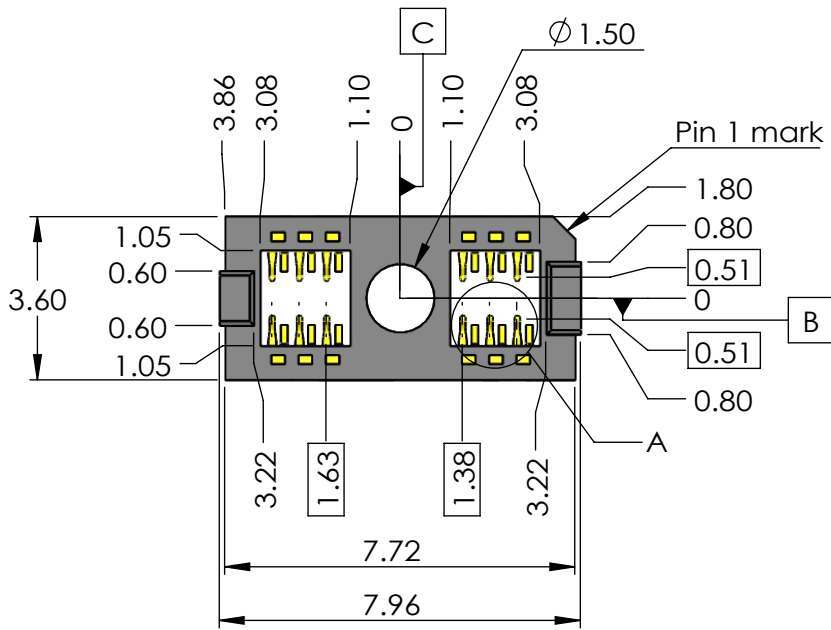


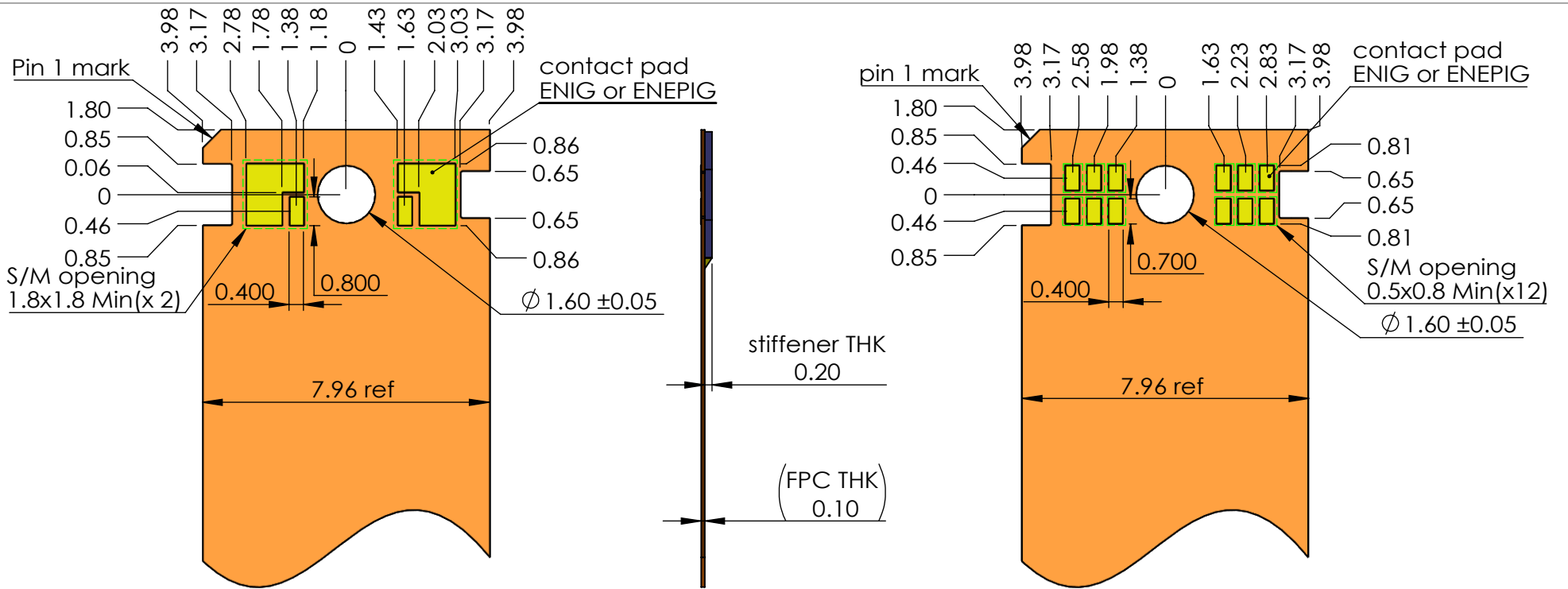
Revisions			
REV	ECN #	Description	Date
6		Update flange position, update FPC & PCB footprint size and position, add pinA1 mark on the PCB.	05/23-2016
7		Add soldermask opening	08/11-2017
8		Update housing appearance to compliant with real part	09/12-2022



- 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 ± 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.
  - Component load per 13" reel : 1200 pcs, 4 reel/carton (48cm\*38cm\*12cm)

## Neoconix PN:XBM-D012A

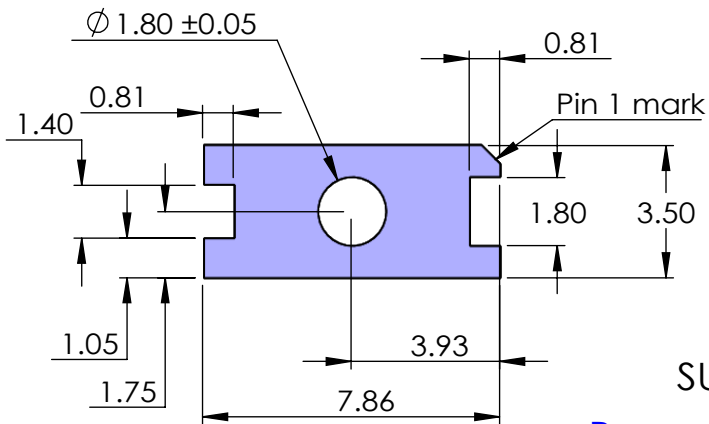
DIMENSIONS ARE IN mm TOLERANCES (unless otherwise specified):		NAME	DATE	Neoconix/Unimicron		
ANGULAR: ± 2 degree LINEAR: .X ±0.15 .XX ±0.08 .XXX ±0.04		DRAWN	Jason Wu			09/12-2022
		CHECKED	Gary Hsieh			09/12-2022
		Appr	Gary Hsieh			
MATERIAL See note 1		Release level		Title: 12 pos X-Beam interposer (0.6 mm pitch, M1.2 screw)		
FINISH gold		COMMENTS: DO NOT SCALE DRAWING		projection	SIZE A	
				SCALE: 5:1	WG. NO. XBGCAA001	
				WARRANTY:	REV. 8	
				SHEET 1 OF 6		



0.5 ounce copper x 2 layer  
for 5 A power application

for signal application

### Recommend FPC footprint



SUS301 H or SUS304

### Recommend FPC stiffener

Note:

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

DIMENSIONS ARE IN mm  
TOLERANCES (unless otherwise specified):

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

Neoconix/Unimicron

Title:  
12 pos X-Beam interposer  
(0.6 mm pitch, M1.2 screw)

SIZE **A**

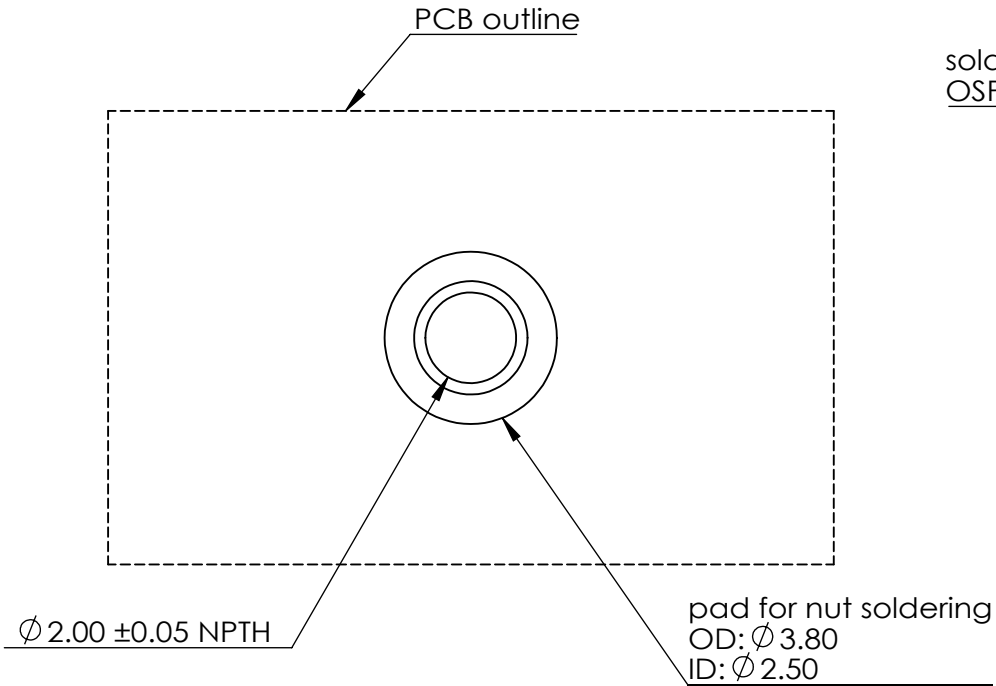
DWG. NO. XBGCAA001

REV.  
8

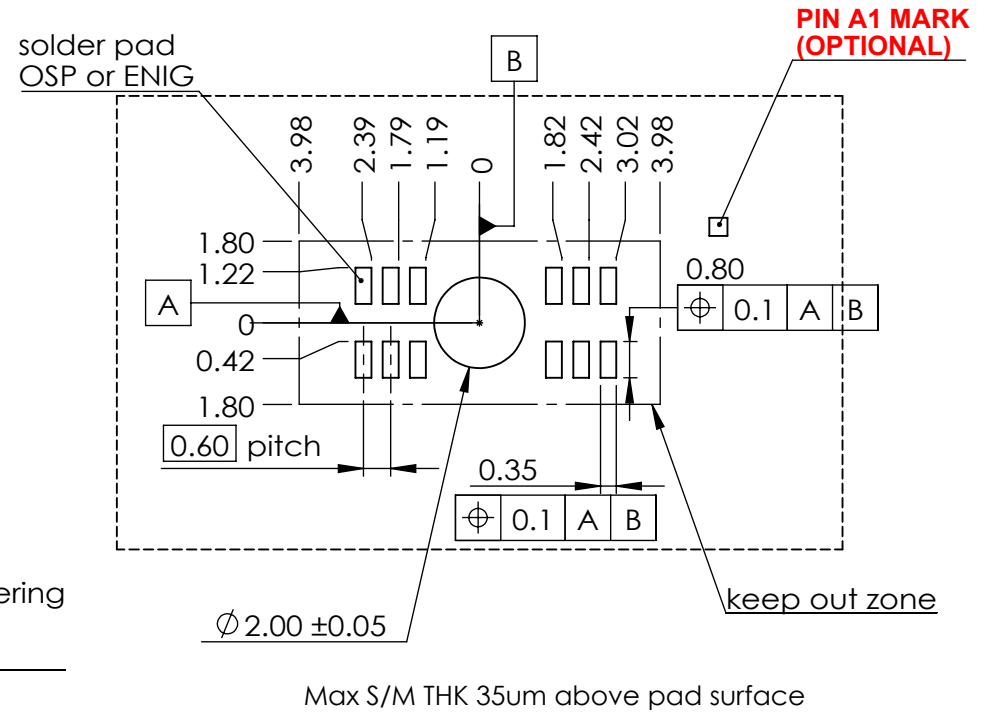
SCALE:5:1

WEIGHT:

SHEET 2 OF 6



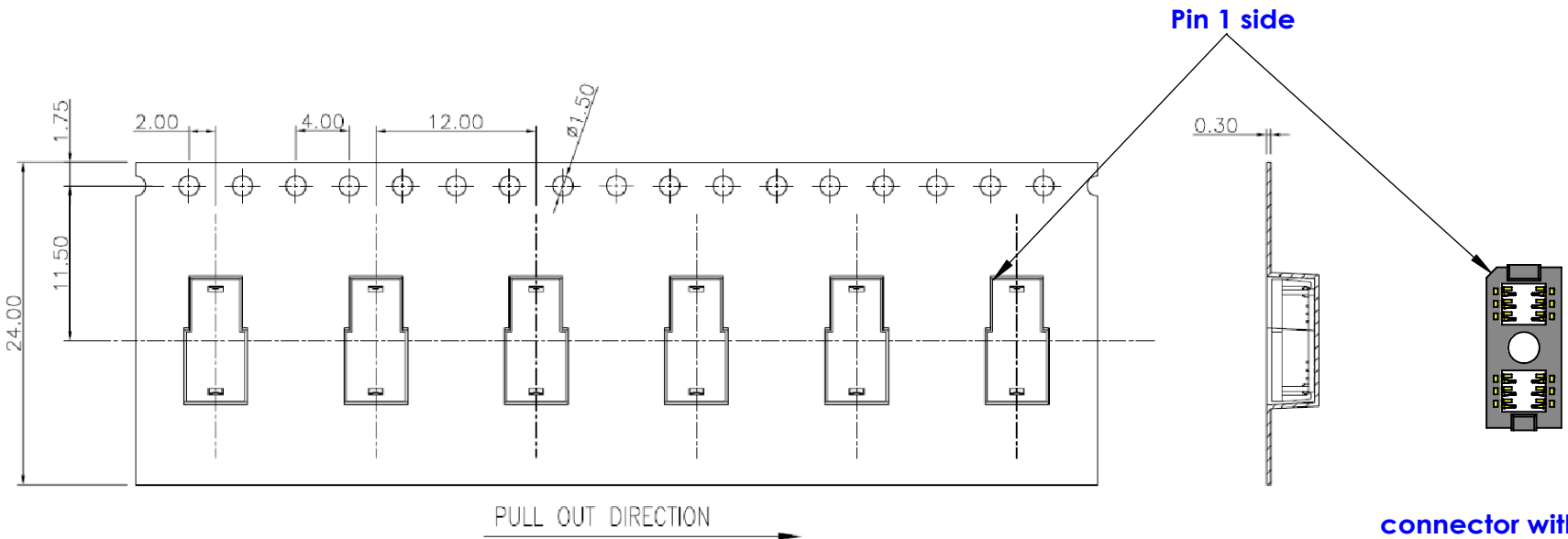
**Back side**



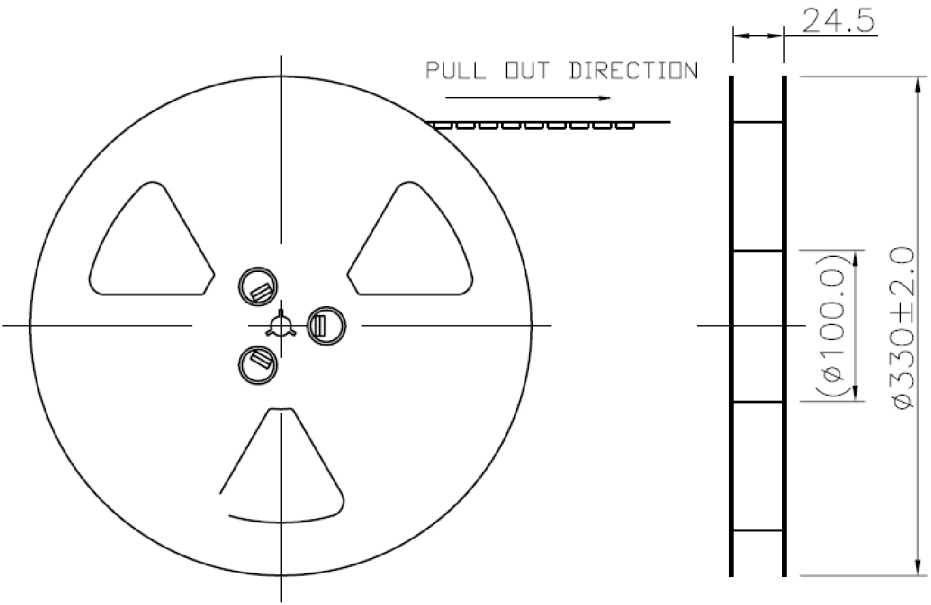
**Front side**

**Recommend PCB footprint**

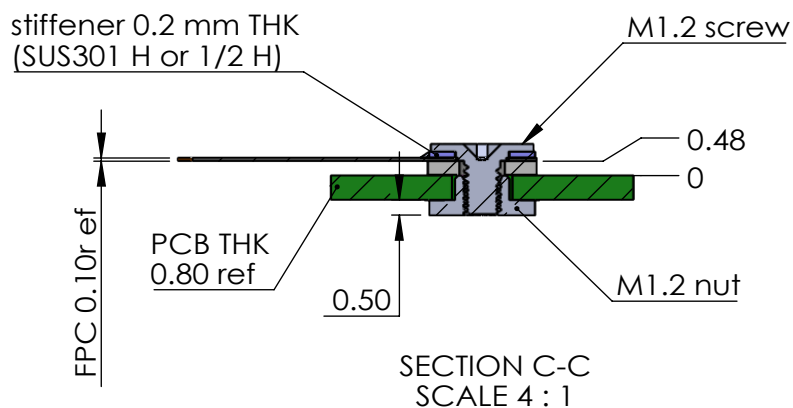
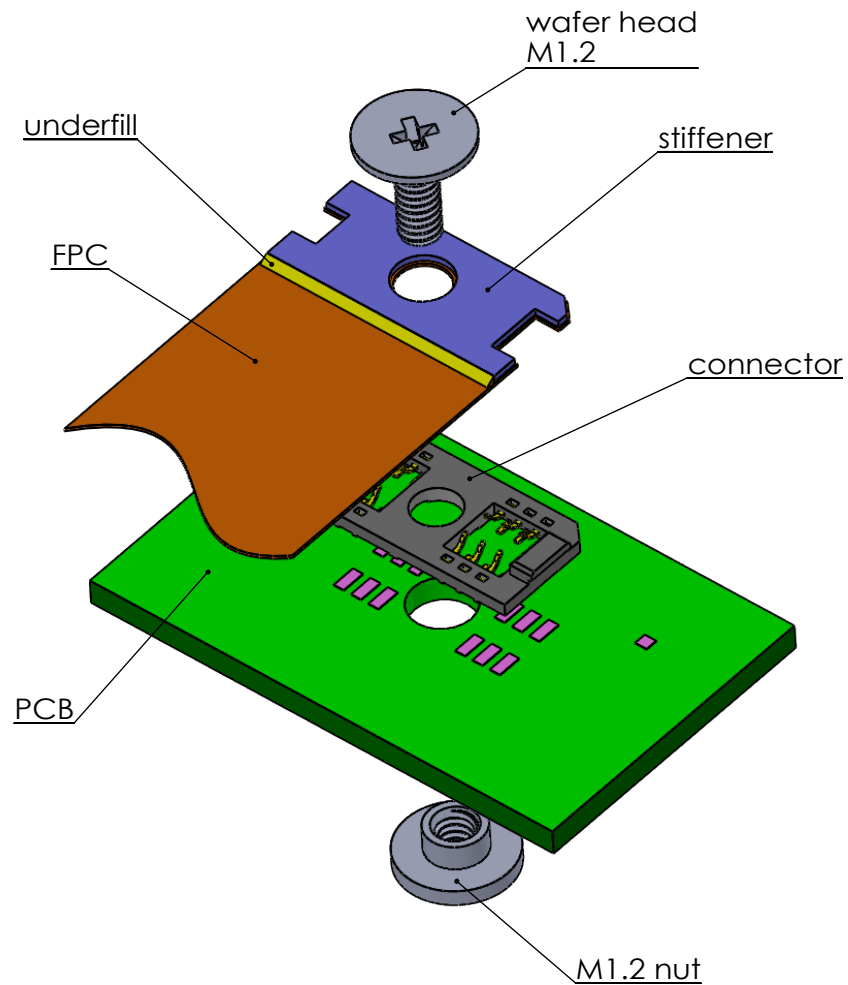
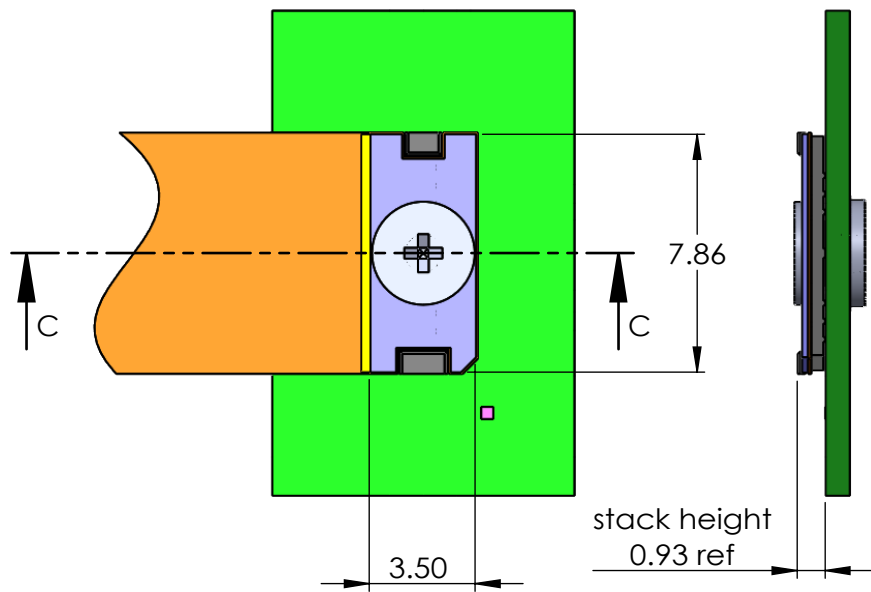
DIMENSIONS ARE IN mm TOLERANCES (unless otherwise specified): ANGULAR: $\pm 2$ degree LINEAR: .X $\pm 0.15$ .XX $\pm 0.08$ .XXX $\pm 0.04$		<b>Neoconix/Unimicron</b> Title: 12 pos X-Beam interposer (0.6 mm pitch, M1.2 screw)	
SIZE	<b>A</b>	DWG. NO.	XBGCAA001
SCALE:	5:1	WEIGHT:	
			REV. 8
			SHEET 3 OF 6



connector without cap



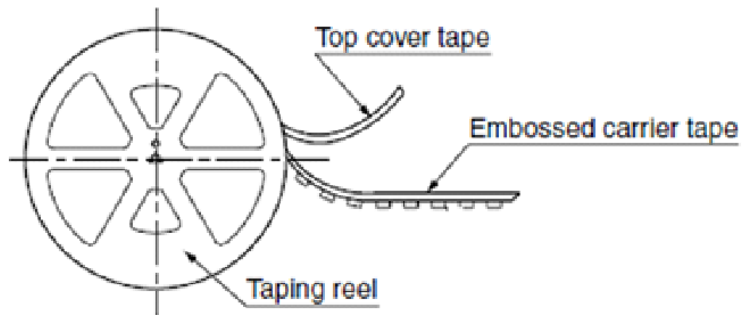
DIMENSIONS ARE IN mm TOLERANCES (unless otherwise specified): ANGULAR: ± 2 degree LINEAR: .X ±0.15 .XX ±0.08 .XXX ±0.04		<b>Neoconix/Unimicron</b> Title: 12 pos X-Beam interposer (0.6 mm pitch, M1.2 screw)	
SIZE	<b>A</b>	DWG. NO.	XBGCAA001
SCALE:5:1		WEIGHT:	REV. 8
		SHEET 4 OF 6	



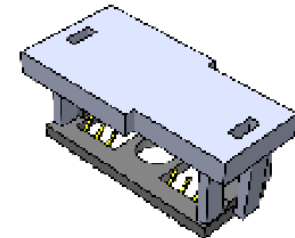
Neoconix/Unimicron

Title:  
12 pos X-Beam interposer  
(0.6 mm pitch, M1.2 screw)

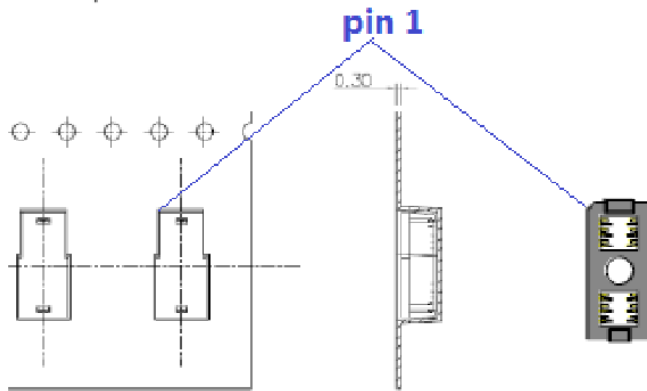
SIZE	<b>A</b>	DWG. NO.	XBGCAA001	REV.	8
SCALE:5:1		WEIGHT:		SHEET 5 OF 6	



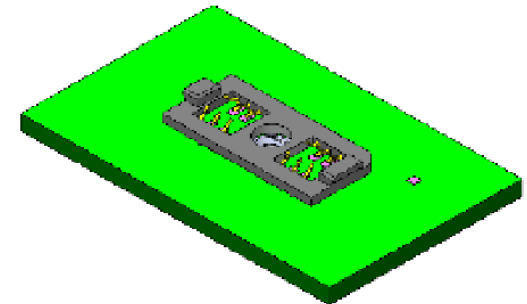
SMT



Connector with cap

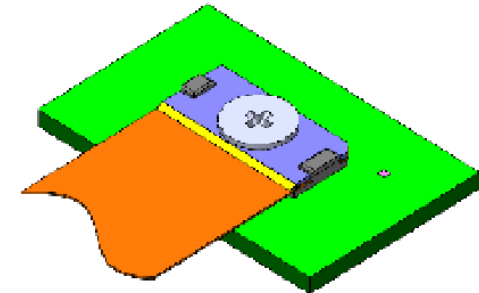


Remove cap  
before FPC  
assy



connector without cap

Place FPC &  
screw lock



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

## package and assembly process

Neoconix/Unimicron

Title:  
12 pos X-Beam interposer  
(0.6 mm pitch, M1.2 screw)

SIZE **A**

DWG. NO. XBGCAA001

REV.  
8

SCALE:5:1

WEIGHT:

SHEET 6 OF 6