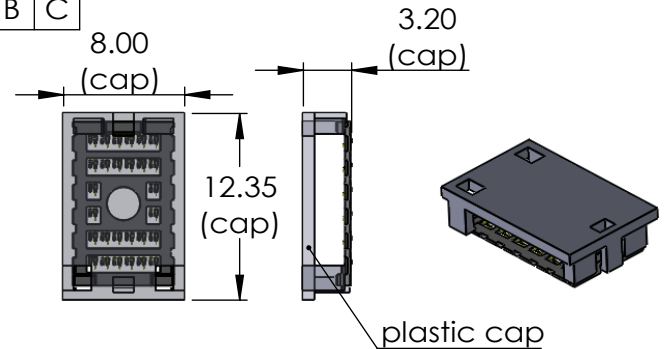
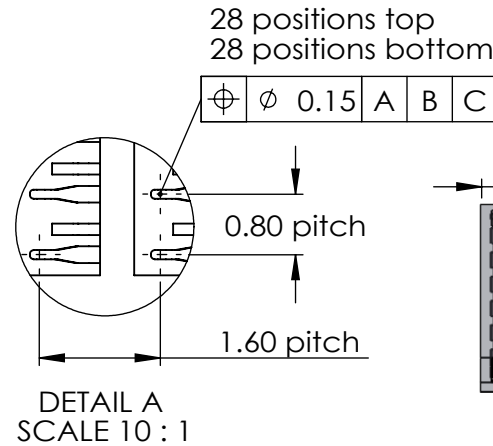
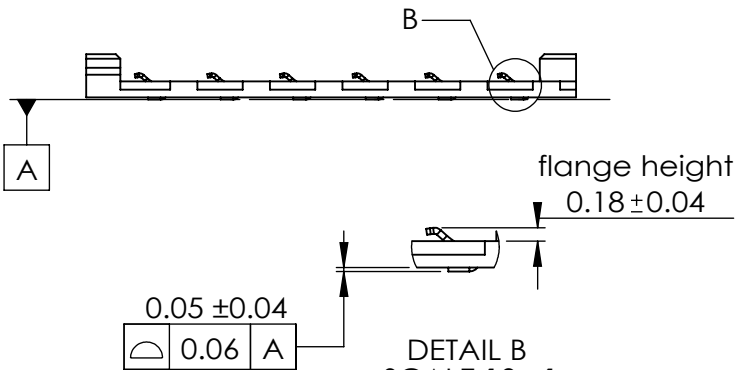
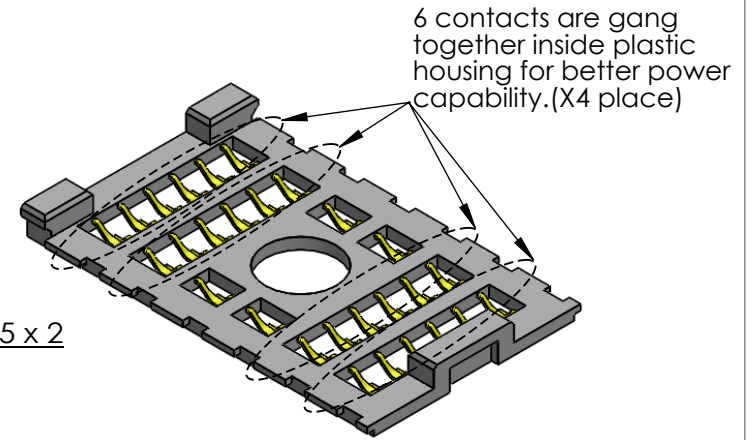
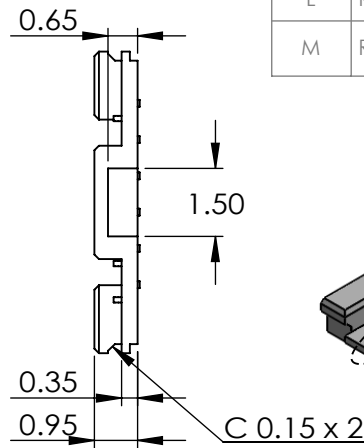
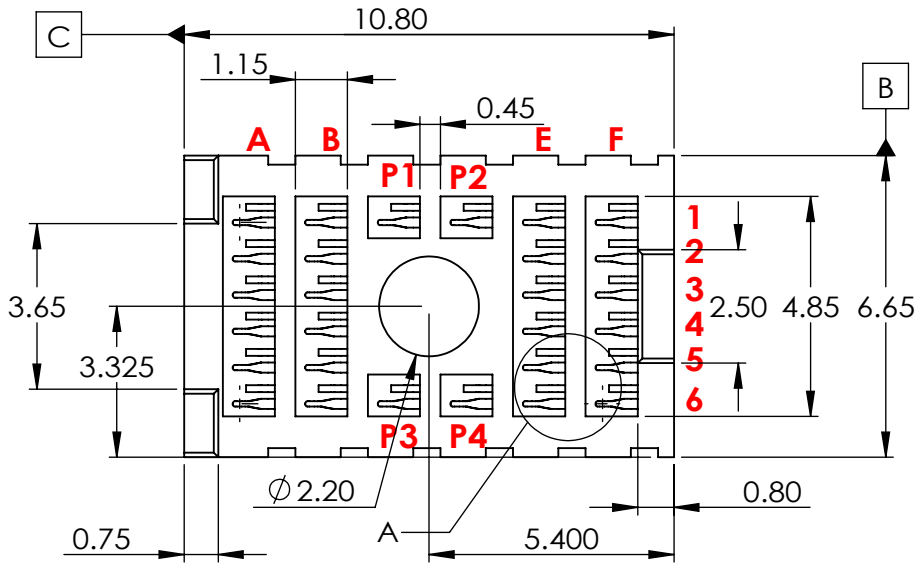


Revisions			
REV	ECN #	Description	Date
K	R20150010	Update Note 4 & Change Tape & Reel Color to Transparent	12/11-2015
L	R20150012	Increase recommend PCB pad size for better power rating	12/23-2015
M	R20160024	Remove counterbore feature from stiffener	10/18-2016

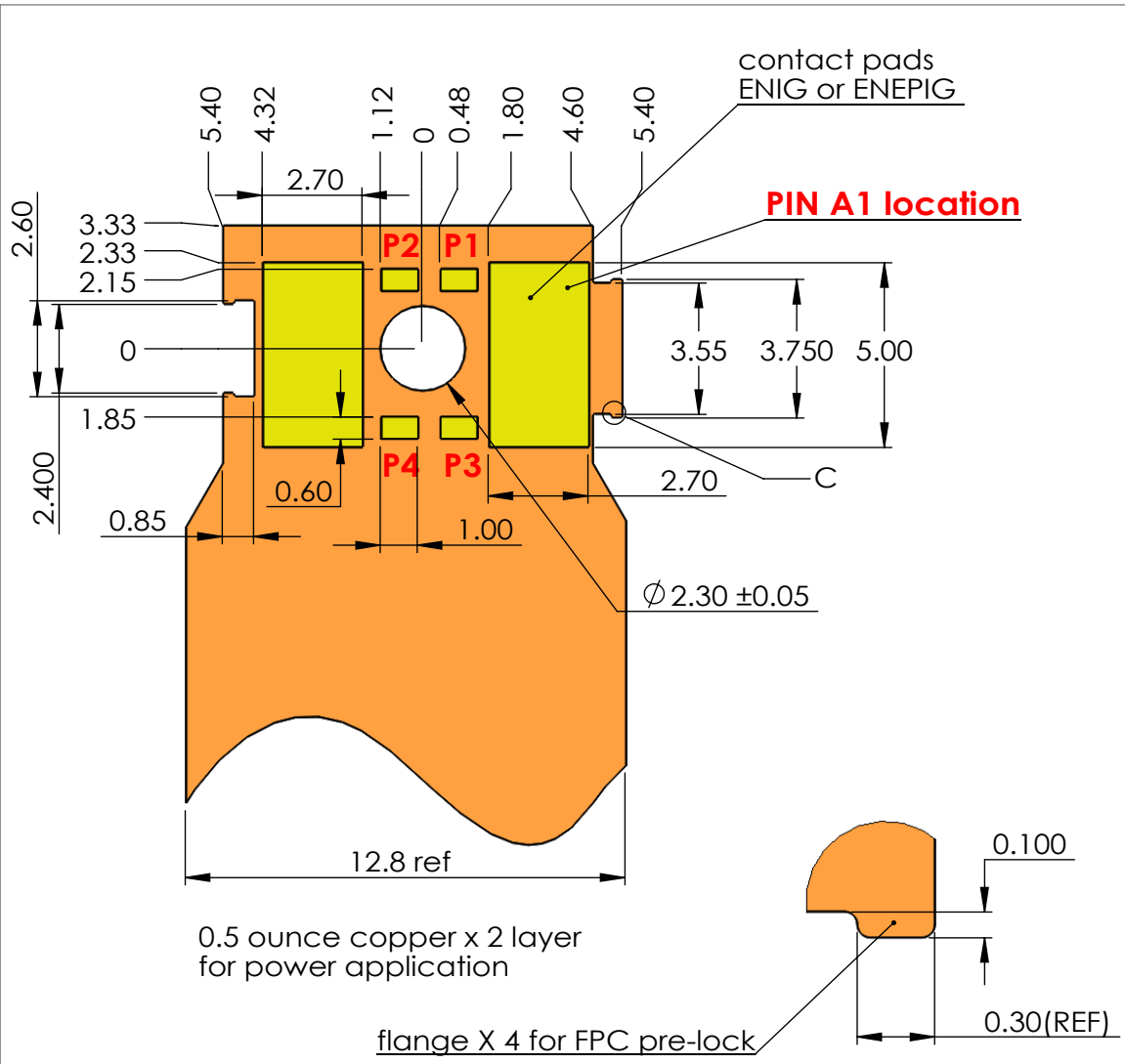


- Notes:
- Material:
    - Contacts: High performance copper alloy.
    - Housing: LCP resin, Glass fiber filled, UL94V-0 rated, black color.
    - Plating: 5 u" min gold plated on contact tip, gold flash on solder tail area, 70 ± 30 u" nickel underplated.
  - This product complies with European Union 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 recommend pad size.

**Connector with cap**

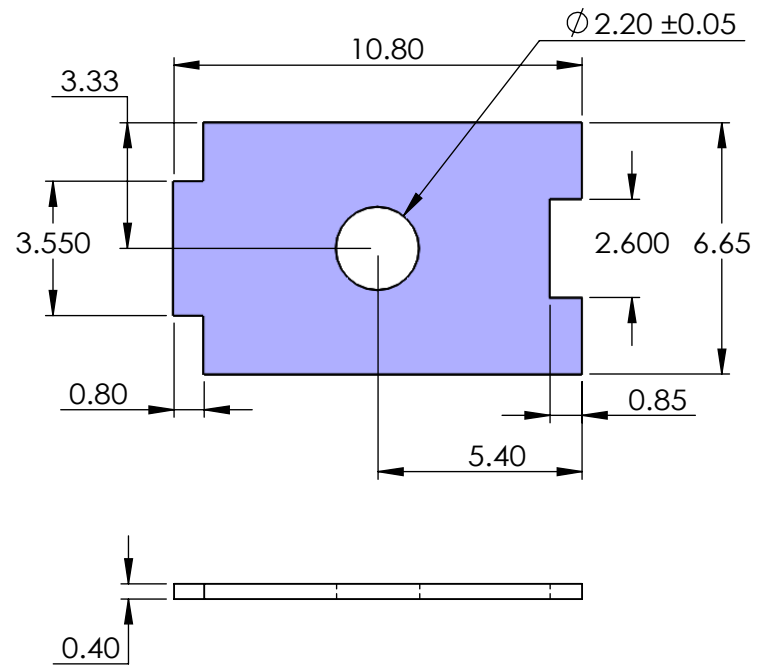
**NCX P/N: XBM-G028A**

DIMENSIONS ARE IN mm TOLERANCES (unless otherwise specified):  ANGULAR: ± 2 degree LINEAR: .X ±0.15 .XX ±0.08 .XXX ±0.04	NAME	DATE	<b>聯能科技 Unimicron Group</b>  Title: 28 pos power connector (0.8X1.6mm pitch)			
	DRAWN	Jason Wu			12/23-2015	
	CHECKED	Gary Hsieh			12/23-2015	
	Appr	Gary Hsieh			12/23-2015	
Release level	Production					
MATERIAL	see note 1	COMMENTS:	projection	SIZE <b>A</b>	DWG. NO. XBGCB5001	REV. M
FINISH	gold	DO NOT SCALE DRAWING		SCALE: 5:1	WEIGHT:	SHEET 1 OF 6



**Recommend FPC footprint**

DETAIL C  
SCALE 35 : 1



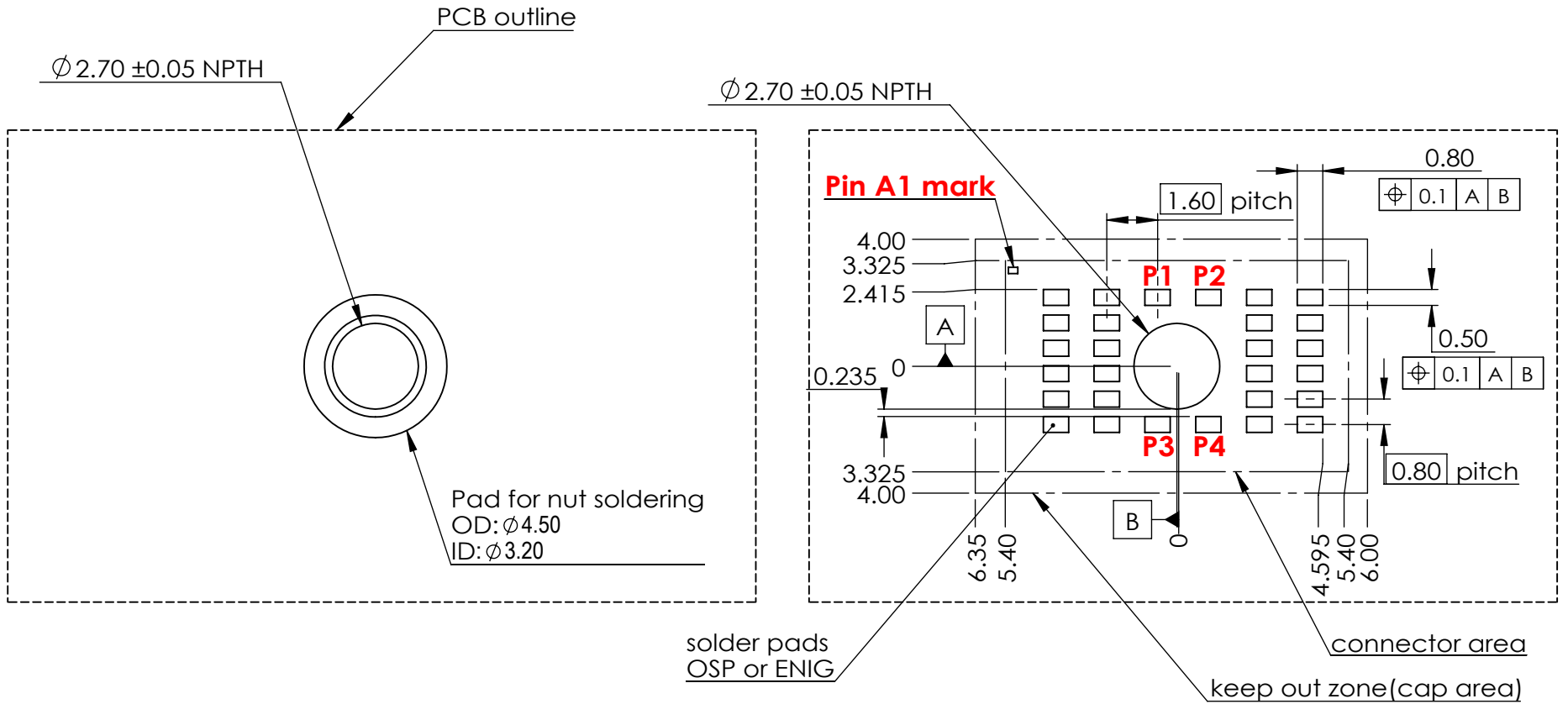
**NCX P/N: XBM-G028A**

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

DIMENSIONS ARE IN mm  
TOLERANCES (unless otherwise specified):

ANGULAR: ± 2 degree  
LINEAR: .X ±0.15  
.XX ±0.08  
.XXX ±0.04

聯能科技 Unimicron Group		
Title: 28 pos power connector (0.8X1.6mm pitch)		
SIZE <b>A</b>	DWG. NO. XBGCB5001	REV. M
SCALE:5:1	WEIGHT:	SHEET 2 OF 6



Max S/M THK 35um above pad surface

PCB back side

PCB front side

Recommend PCB footprint

NCX P/N: XBM-G028A

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:  
28 pos power connector  
(0.8X1.6mm pitch)

SIZE A

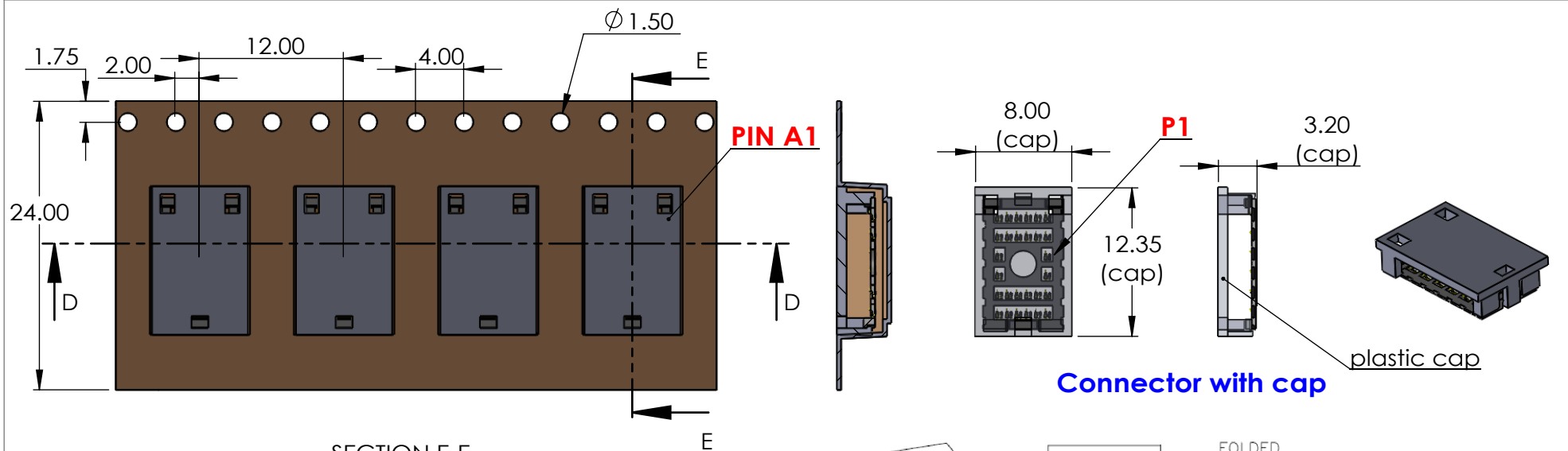
DWG. NO. XBGCB5001

REV. M

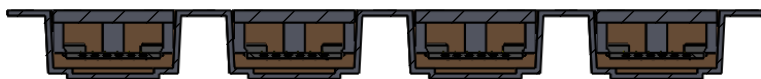
SCALE:5:1

WEIGHT:

SHEET 3 OF 6

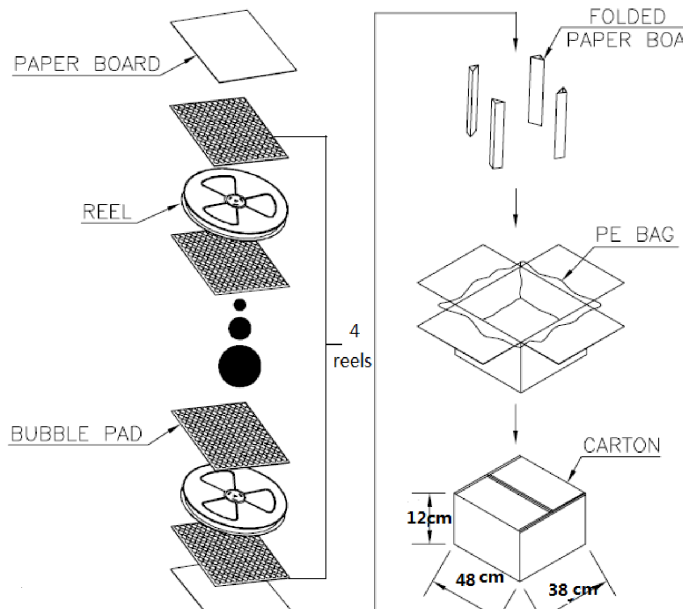


SECTION E-E  
SCALE 2 : 1



SECTION D-D  
SCALE 2 : 1

**Tape & reel**



**Packaging**

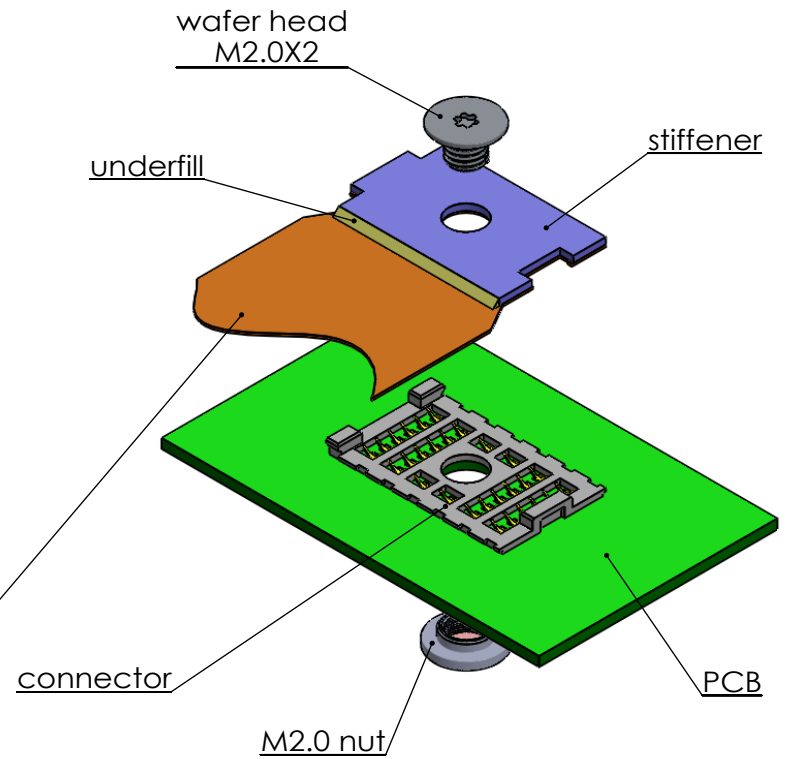
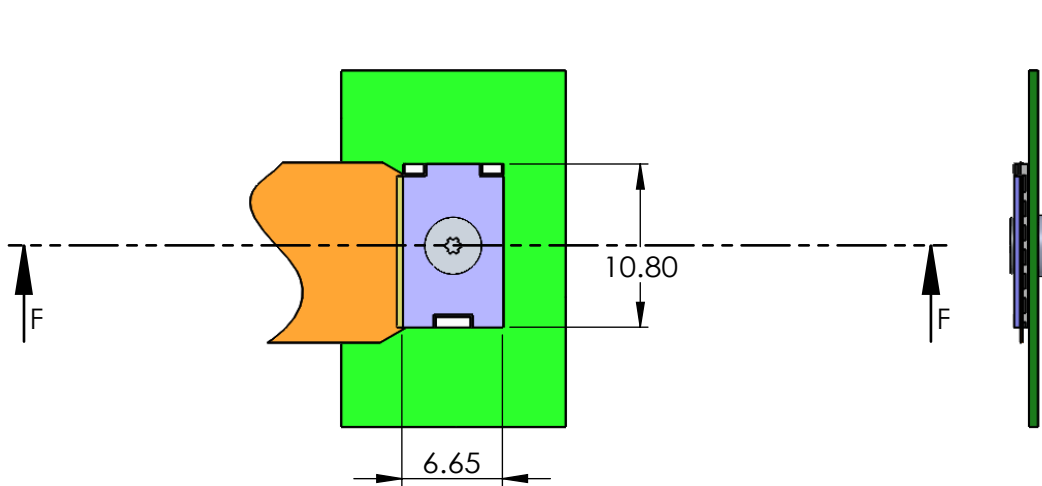
**NCX P/N: XBM-G028A**

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 : 1200 pcs, 4 reel/carton (48cm\*38cm\*12cm), total 4800 pcs/carton.

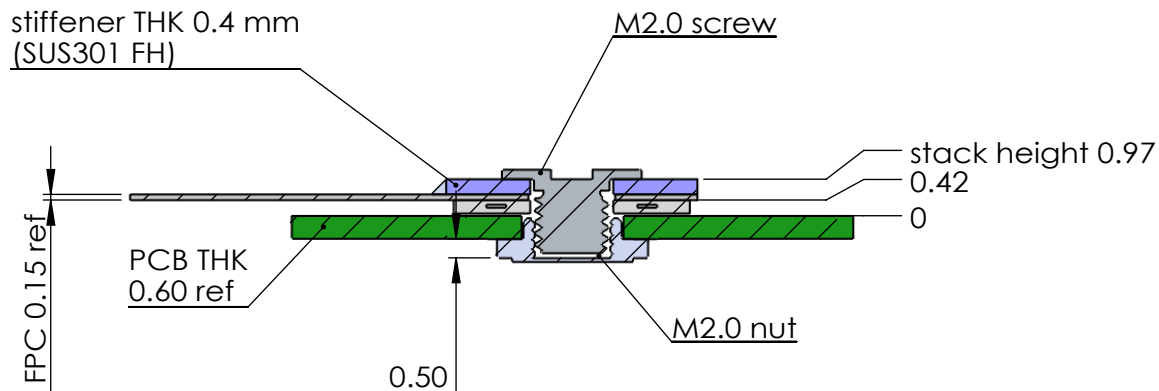
**聯能科技 Unimicron Group**

Title:  
28 pos power connector  
(0.8X1.6mm pitch)-package

SIZE	<b>A</b>	DWG. NO. XBGCB5001	REV. M
SCALE:5:1		WEIGHT:	SHEET 4 OF 6



FPC  
(0.5 oz copper x 2 layer)



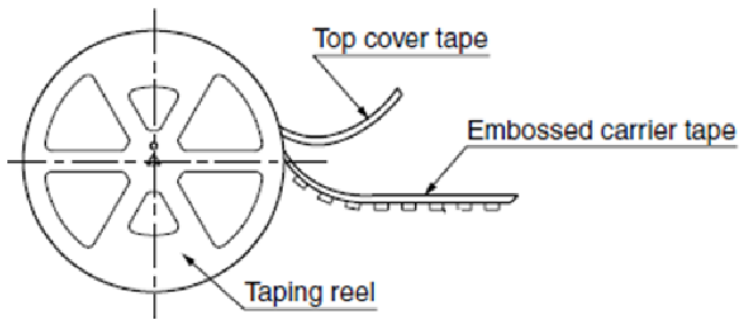
SECTION F-F

**NCX P/N: XBM-G028A**

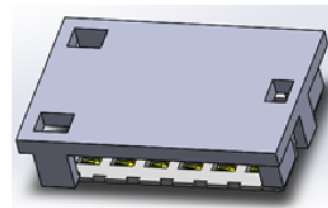
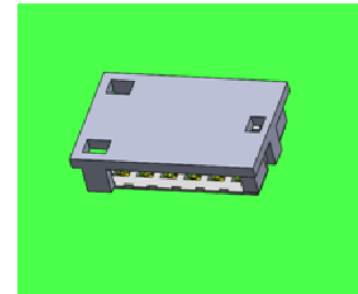
聯能科技 Unimicron Group

Title:  
28 pos power connector  
(0.8X1.6mm pitch)

SIZE	<b>A</b>	DWG. NO. XBGCB5001	REV. M
SCALE:5:1		WEIGHT:	SHEET 5 OF 6

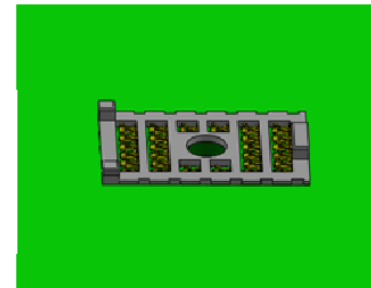


SMT



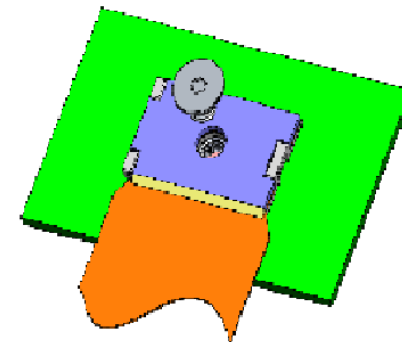
Connector with cap

Remove cap  
before FPC  
assy



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

Place FPC &  
screw lock



package and assembly process

NCX P/N: XBM-G028A

聯能科技 Unimicron Group

Title:  
28 pos power connector  
(0.8X1.6mm pitch)

SIZE	A	DWG. NO. XBGCB5001	REV. M
SCALE:5:1		WEIGHT:	SHEET 6 OF 6