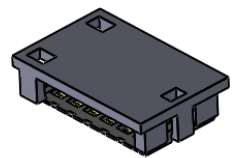
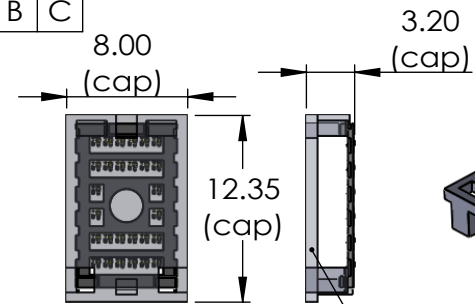
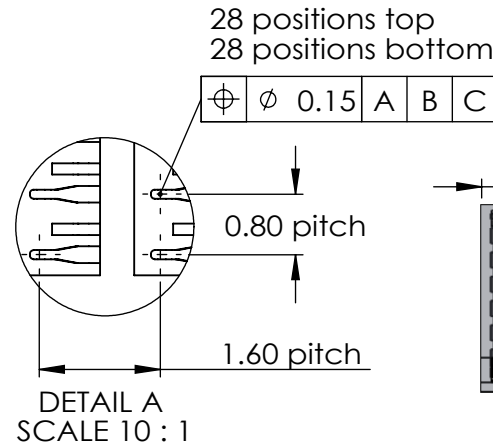
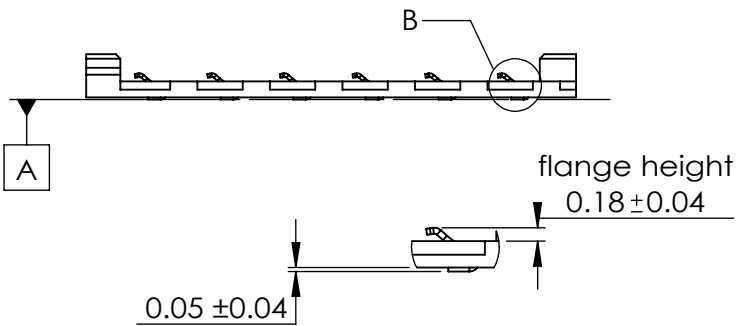
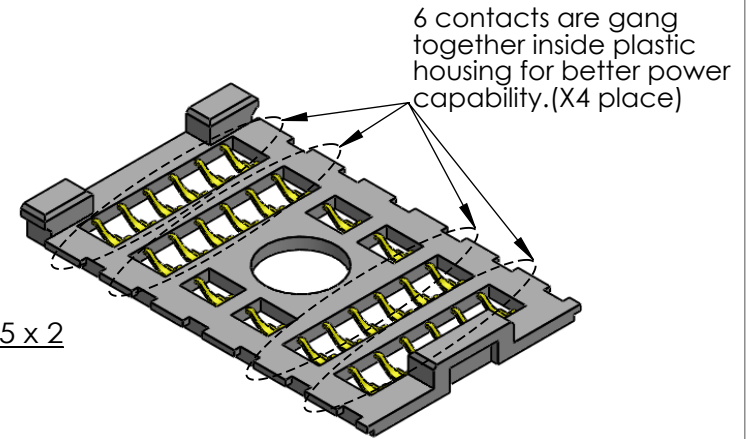


Revisions			
REV	ECN #	Description	Date
H	R20150006	Remove FPC drawing	09/25-2015
J	R20150008	Optimize drawing	10/08-2015
K	R20150010	Update Note 4 & Change Tape & Reel Color to Transparent	12/11-2015

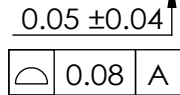


plastic cap

Connector with cap

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, solder past opening no less than recommend pad size.



DETAIL B
SCALE 10 : 1

DETAIL A
SCALE 10 : 1

DIMENSIONS ARE IN mm
TOLERANCES (unless otherwise specified):

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

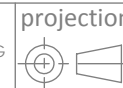
	NAME	DATE
DRAWN	Jason Wu	12/11-2015
CHECKED	Gary Hsieh	12/11-2015
Appr	Gary Hsieh	12/11-2015
Release level	Production	

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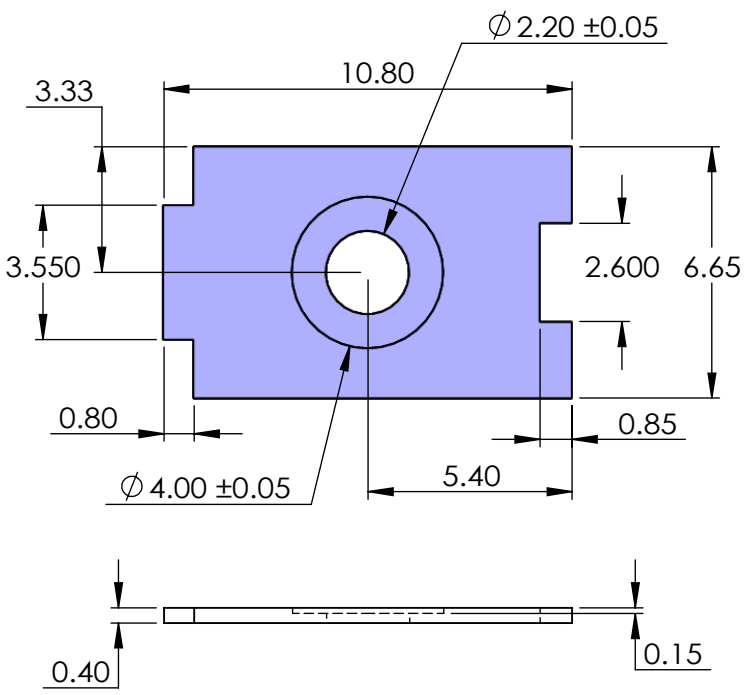
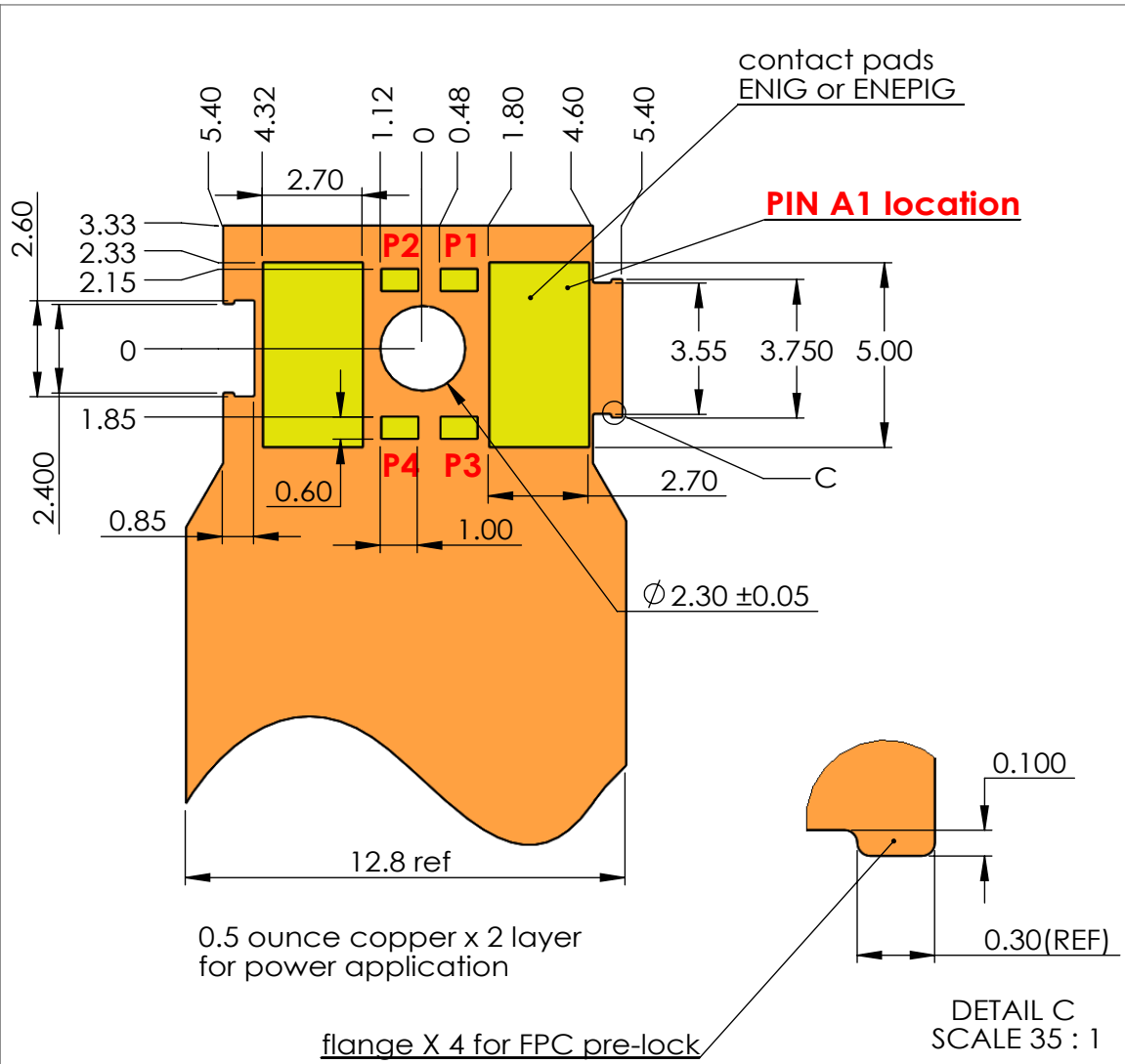
Title:
28 pos power connector
(0.8X1.6mm pitch)

MATERIAL	see note 1
FINISH	gold

COMMENTS:
DO NOT SCALE DRAWING

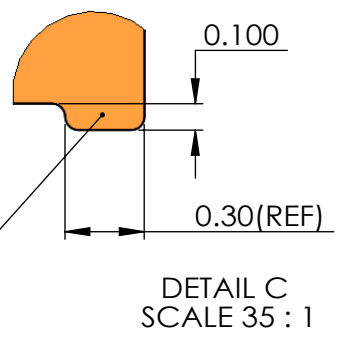


projection	SIZE A	DWG. NO. XBGCB5001	REV. K
SCALE:5:1	WEIGHT:	SHEET 1 OF 6	



SUS301 FULL HARD

Recommend FPC stiffener



Recommend FPC footprint

- 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)

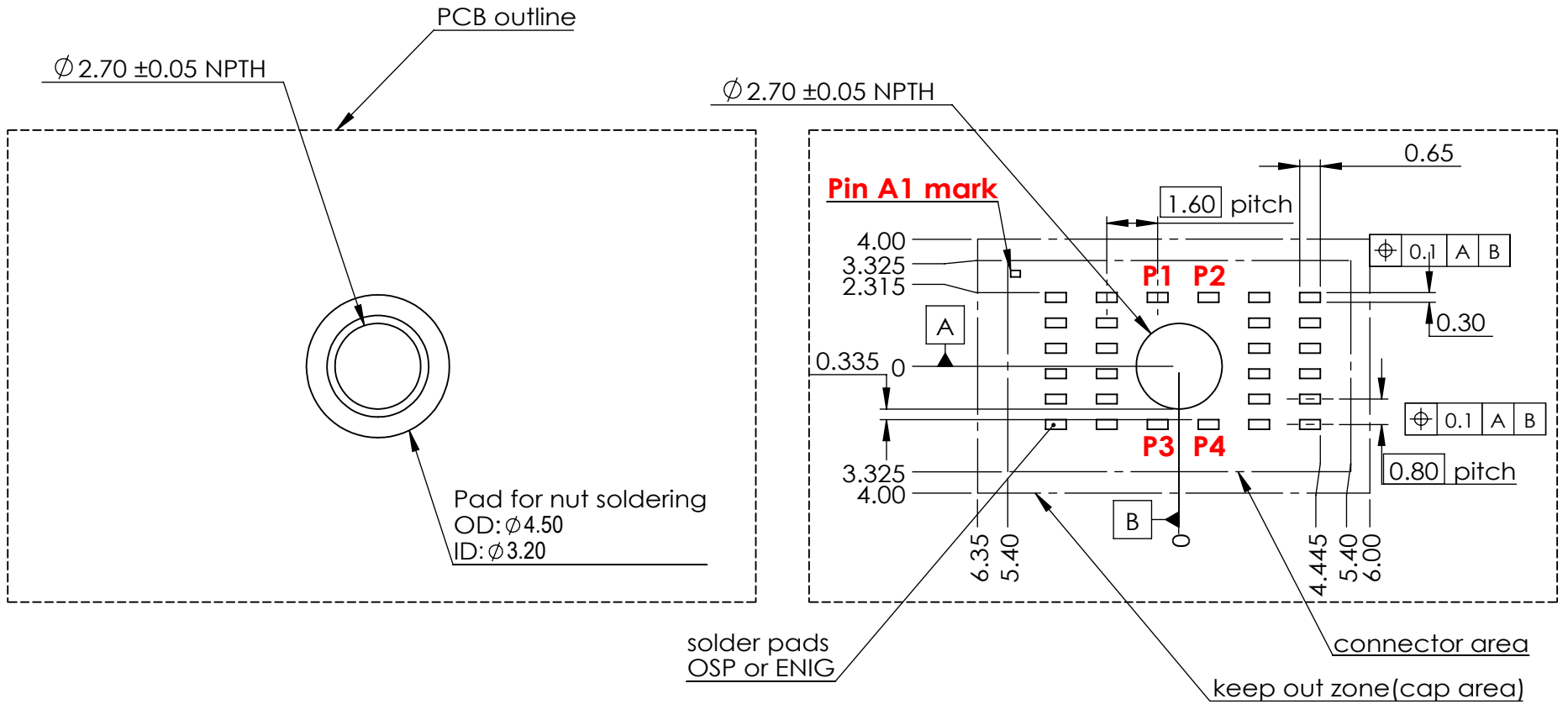
DIMENSIONS ARE IN mm
TOLERANCES (unless otherwise
specified):

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

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

SIZE	A	DWG. NO. XBGC5001	REV. K
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

DIMENSIONS ARE IN mm
TOLERANCES (unless otherwise specified):

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

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

SIZE **A**

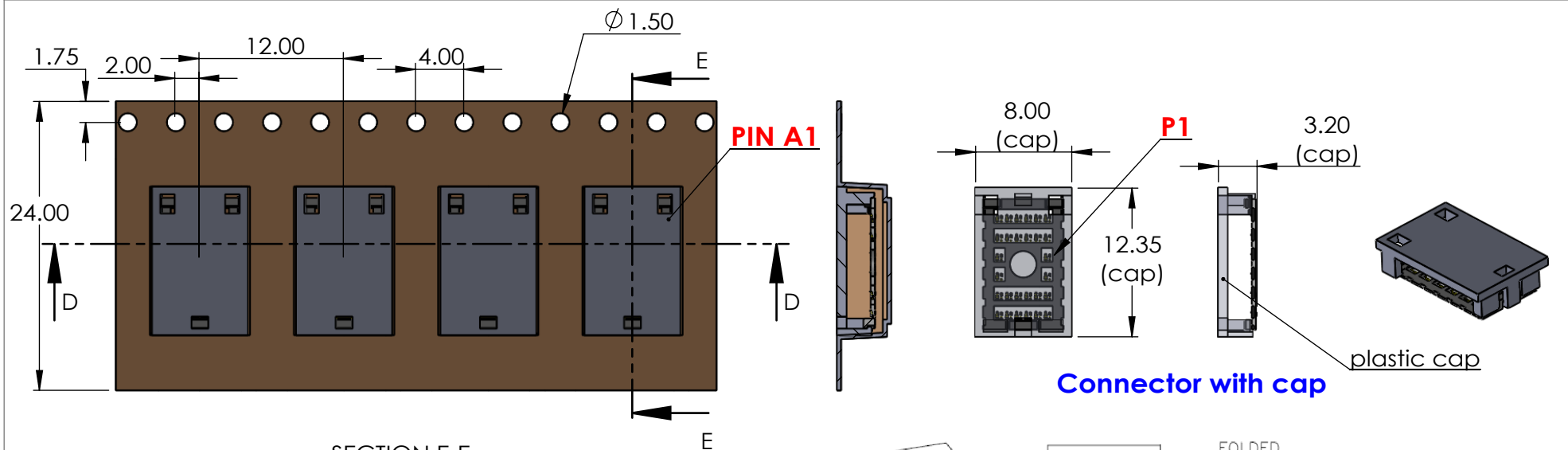
DWG. NO. XBGC5001

REV.
K

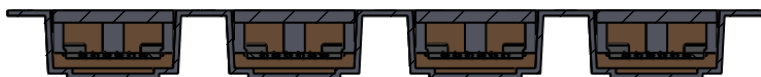
SCALE:5:1

WEIGHT:

SHEET 3 OF 6

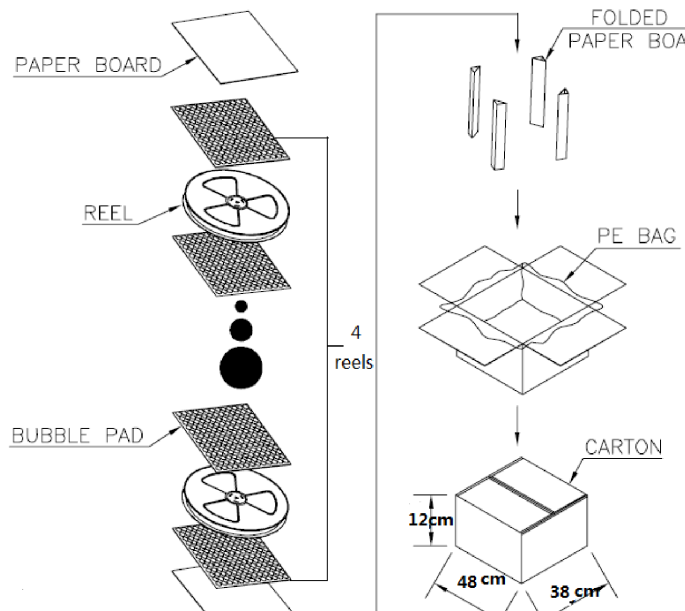


SECTION E-E
SCALE 2 : 1



SECTION D-D
SCALE 2 : 1

Tape & reel



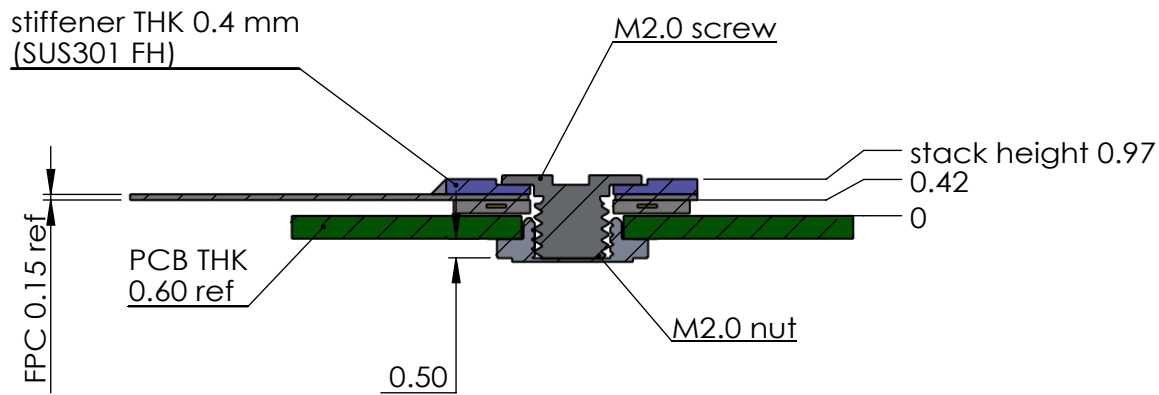
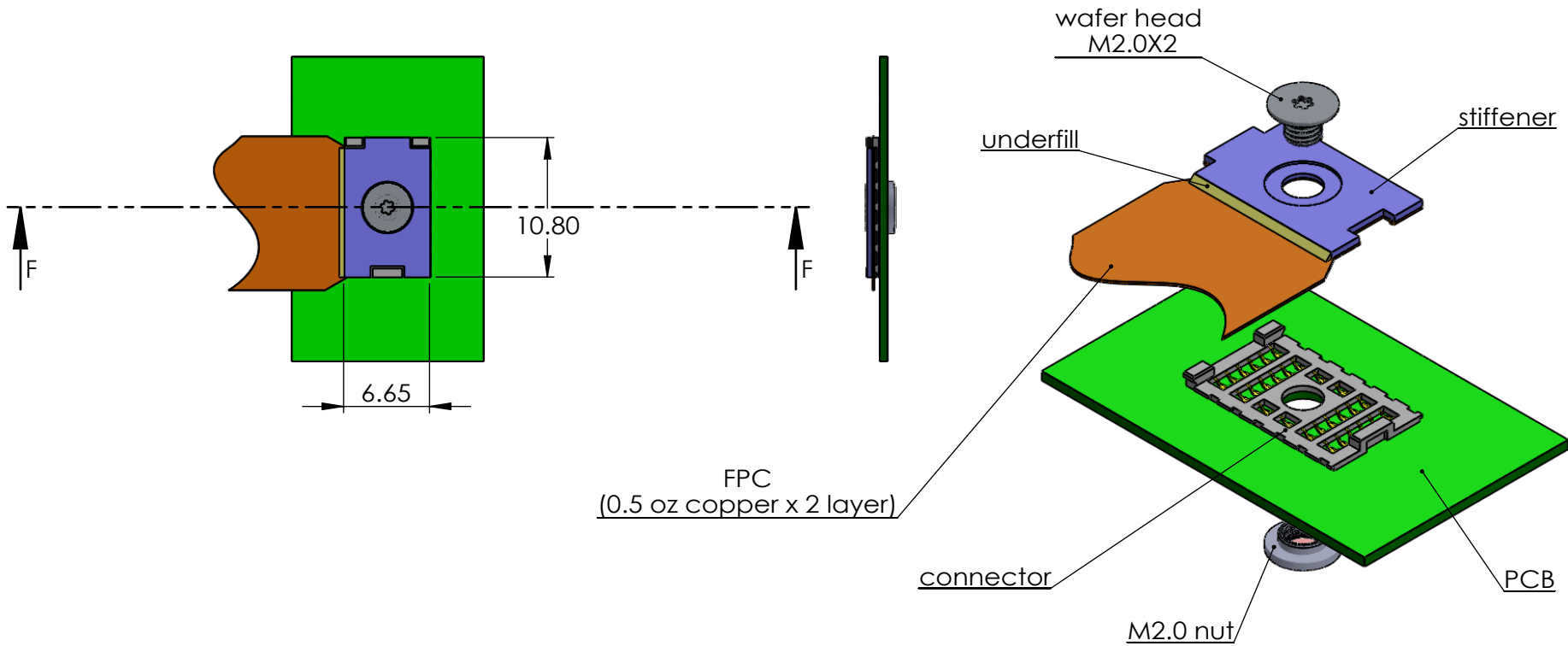
Packaging

1. 10 sprocket hole pitch cumulative tolerance ± 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 ± 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.

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

SIZE	A	PART. NO.	REV.
SCALE:	5:1	WEIGHT:	SHEET 4 OF 6



SECTION F-F

聯能科技 Unimicron Group

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

SIZE

A

DWG. NO. XBGC5001

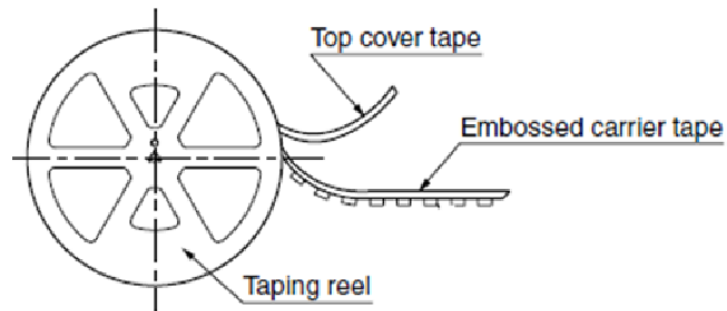
REV.

K

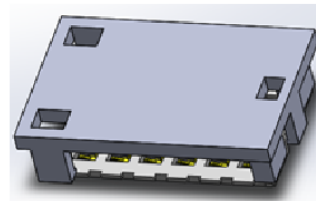
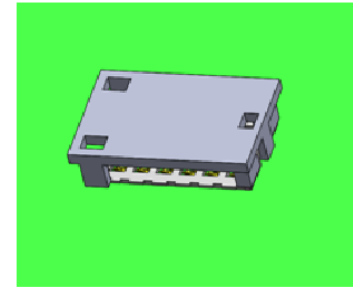
SCALE:5:1

WEIGHT:

SHEET 5 OF 6

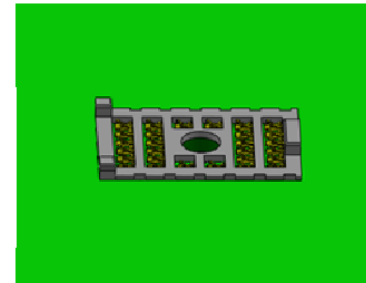


SMT



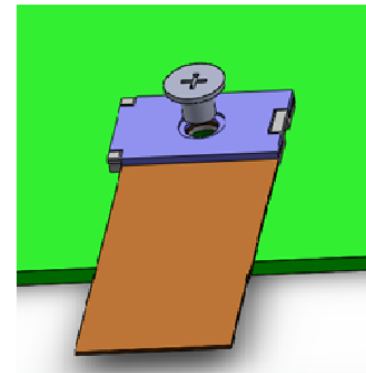
Connector with cap

Remove cap
before FPC
assy



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

Place FPC &
screw lock



package and assembly process

聯能科技 Unimicron Group

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

SIZE	A	DWG. NO. XBGC5001	REV. K
SCALE:5:1		WEIGHT:	SHEET 6 OF 6