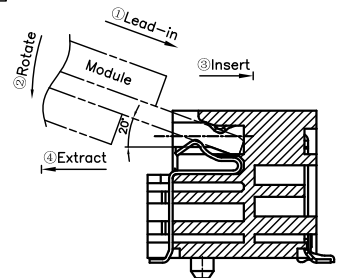
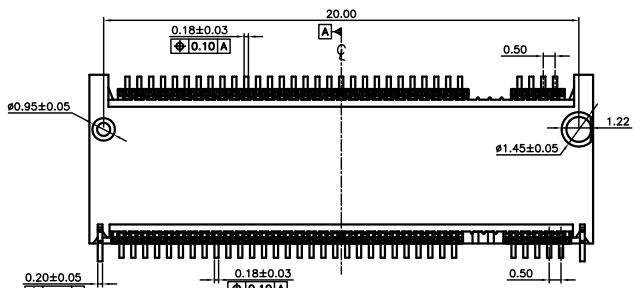
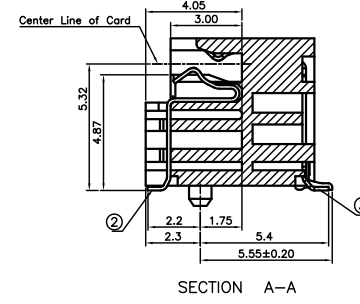
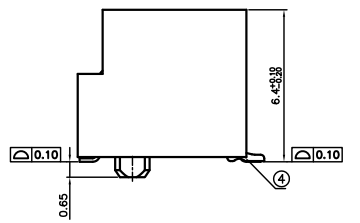
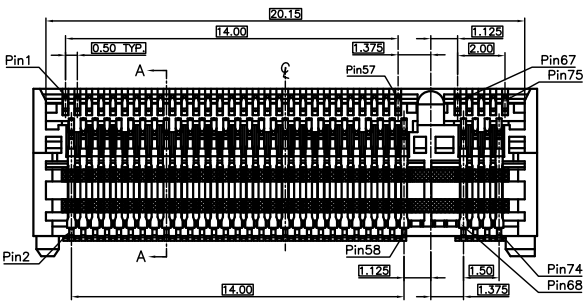
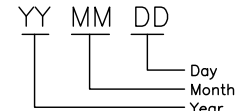
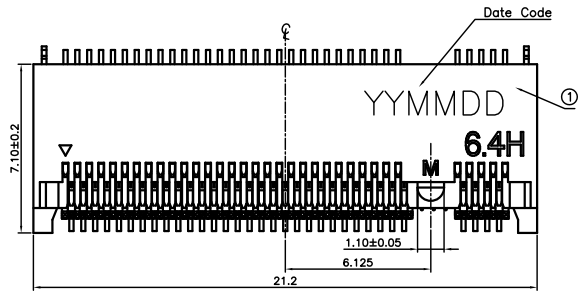


REV.	REVISOR NOTE	DATE



How to mate and unmate
Mate: ① - ② - ③
Unmate: ④

Notes:

- Materials
 - Housing: LCP+30% GF,UL94 V-0(E471i);
 - Contact: C5210-SH T=0.15mm, Gold Plating at mating area(See P/N), 100u" Min. Matte Tin plating at solder tail, all over Nickel(50u" Min.);
 - LEG: C2680-EH T0.20mm, 100u" Min. Matte Tin plating over all, all over nickel(50u" Min.).
- RoHS 2.0 and HF compliant;
- Ratings
 - Voltage Rating: 50V AC (Per pin);
 - Current Rating: 0.5A (Per pin);
 - Operating Temperature: -40°C ~ 80°C;
- Electrical Requirement:
 - LLCR: 55mΩ Max,(Initial), 20mΩ Max. change allowed(Final);
 - Dielectric Withstanding Voltage: 300V AC (RMS) for 1 minute;
 - Insulation Resistance: 500MΩ Min. @ 500V DC;
- Mechanical Requirement:
 - Mating Force: 20N Max.;
 - Unmating Force: 20N Max.;
 - Durability: 60 Cycles;
 - Vibration: No electrical discontinuity greater than 1u sec shall occur;
 - Mechanical Shock: 285G half sine / 6 axis, No electrical discontinuity greater than 1u sec shall occur;
- Resistance to heat: the temperature shall be 260±5°C 10±1 seconds.
- How to order:

2NF-HN17-101-M 0 **
NGFF 6.4H,STD M Key
Housing Color:
0. Black
1. White

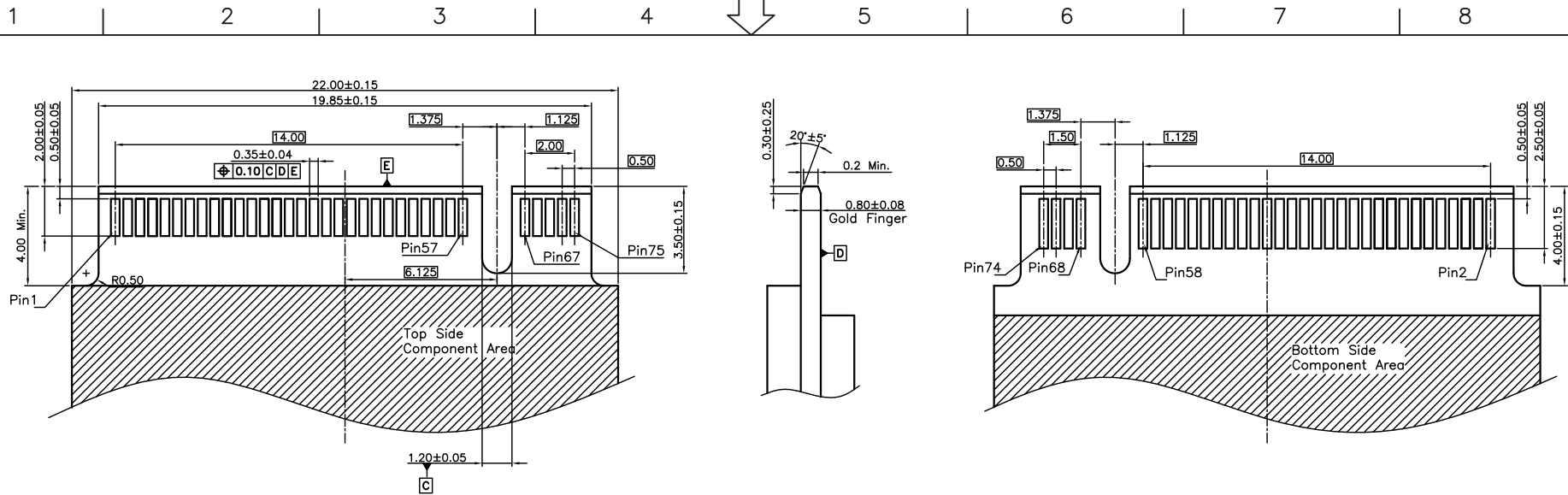
- Contact plating code:
- Mating area G/F, Solder tail Matte Tin;
 - Mating area Au 3u", Solder tail Matte Tin;
 - Mating area Au 5u", Solder tail Matte Tin;
 - Mating area Au 10u", Solder tail Matte Tin;
 - Mating area Au 15u", Solder tail Matte Tin;
 - Mating area Au 30u", Solder tail Matte Tin;

④	LEG
③	Upper Contact
②	Lower Contact
①	HOUSING
Item	Part Description

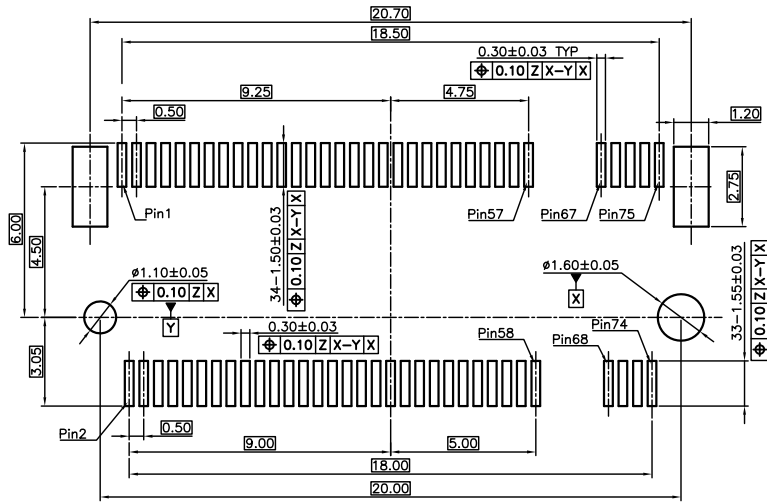
Singatron Enterprise Co., Ltd.				
TITLE	NGFF Socket (M.2 Connector) 6.4H, STD M Key			
DWN	Kysin.Qin	PART NO. 2NF-HN17-101-M***		
CHKD	11/20/2015	SCALE 1:1	UNIT: mm	①
APVD		SIZE: A3	SHEET 1 OF 3	REV: X1
CUSTOMER COPY				

GENERAL TOLERANCES (UNLESS SPECIFIED)

X.	± 0.30	X'	± 1'
.X	± 0.20	.X'	± 0.5'
.XX	± 0.10		
.XXX	± 0.05		



Recommended Mould Finger Layout
Default Tolerance ±0.05



Recommended PCB Layout(Top View)
Default Tolerance ±0.05

GENERAL TOLERANCES
(UNLESS SPECIFIED)

X.	± 0.30	X'	± 1'
.X	± 0.20	.X'	± 0.5'
.XX	± 0.10		
.XXX	± 0.05		

Singatron Enterprise Co., Ltd.				
TITLE	NGFF Socket (M.2 Connector) 6.4H, STD M Key			
DWN	Kysin.Qin	PART NO.	2NF-HN17-101-M***	
CHKD	11/20/2015	SCALE	1:1	UNIT: mm
APVD		SIZE	A3	SHEET 2 OF 3
		REV	X1	
CUSTOMER COPY				

1

2

3

4

5

6

7

8

F

E

D

C

B

A

F

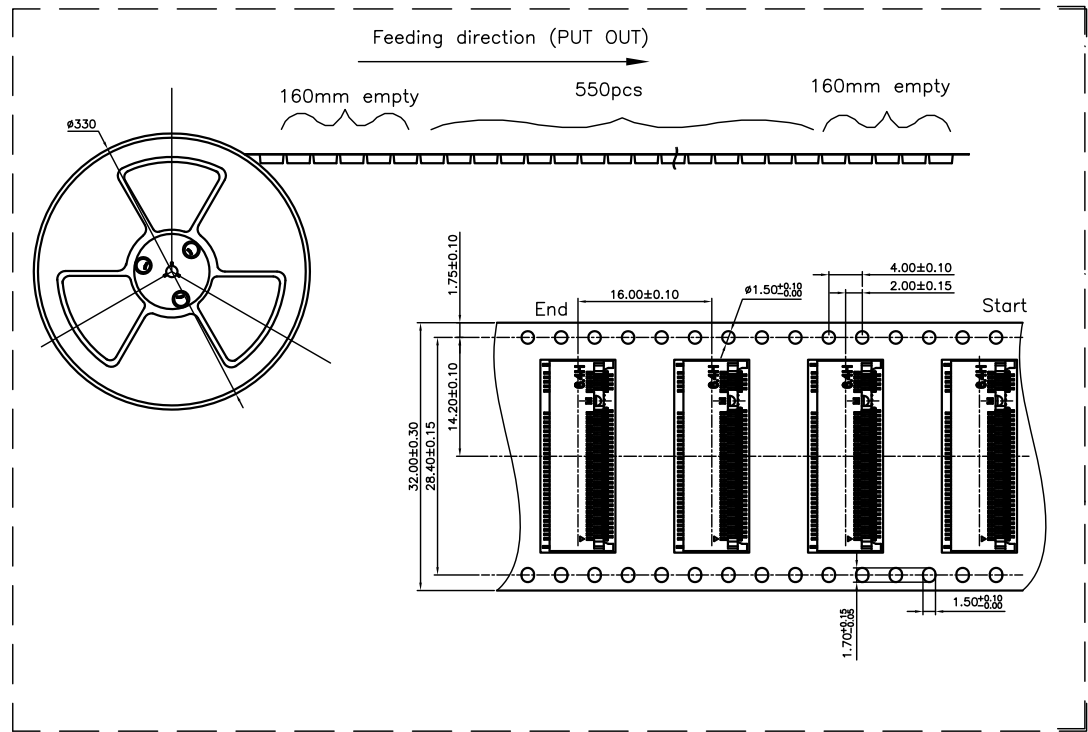
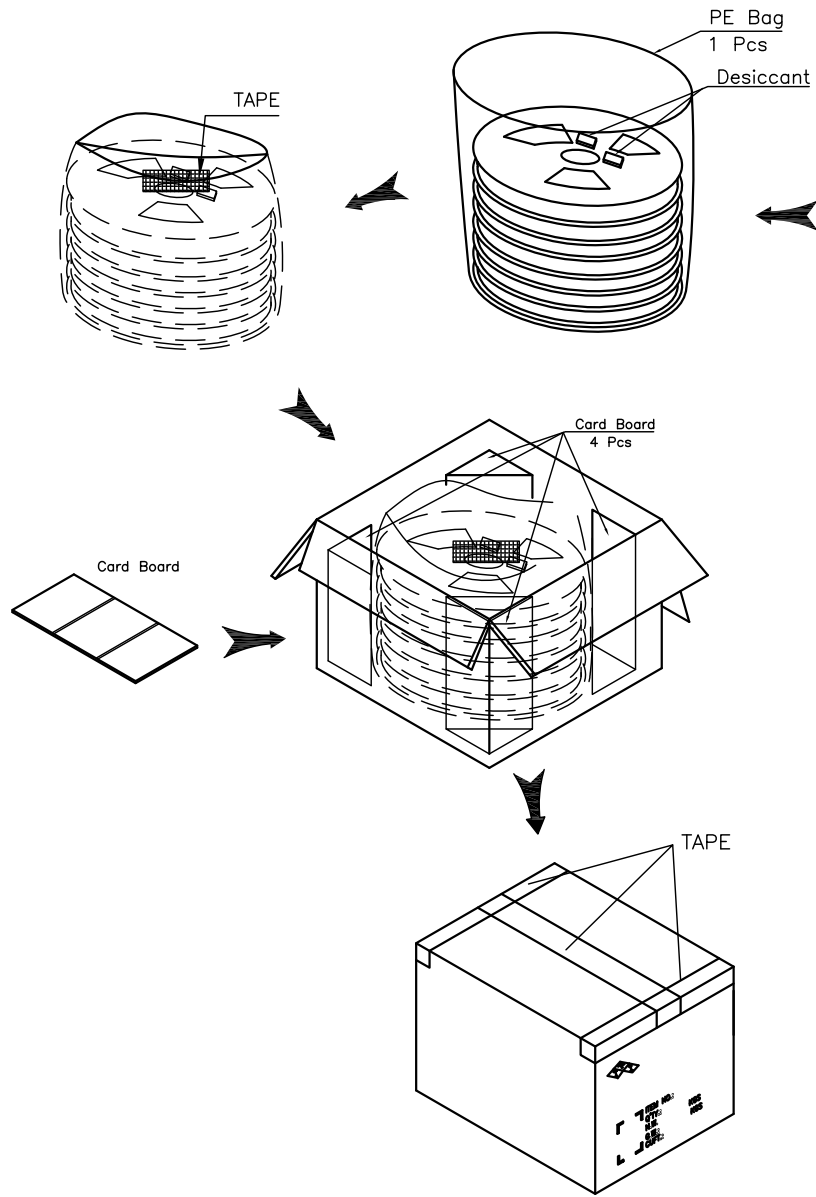
E

D

C

B

A



- Notes:
1. Peel off force of top tape: 0.1~1.3N;
 2. 550 pcs/reel, 5500 pcs/carton.

GENERAL TOLERANCES (UNLESS SPECIFIED)

X.	± 0.30	X'	$\pm 1'$
.X	± 0.20	.X'	$\pm 0.5'$
.XX	± 0.10		
.XXX	± 0.05		

Singatron Enterprise Co., Ltd.			
TITLE	NGFF Socket (M.2 Connector) 6.4H, STD M Key		
DWN	Kysin.Qin	PART NO.	2NF-HN17-101-M***
CHKD	11/20/2015	SCALE	1:1 UNIT: mm
APVD		SIZE: A3	SHEET 1 OF 3 REV: X1
CUSTOMER COPY			