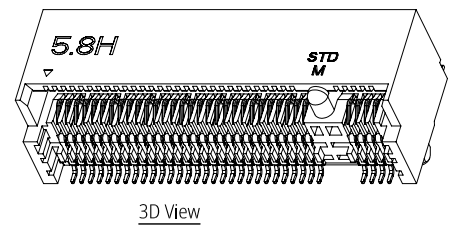
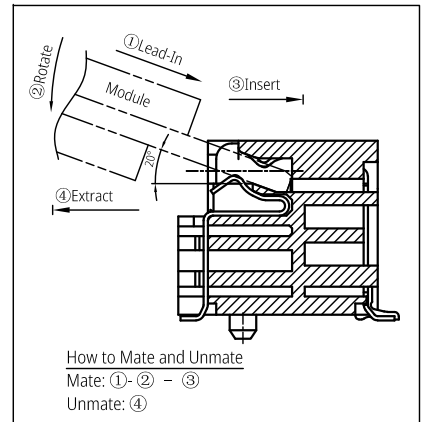
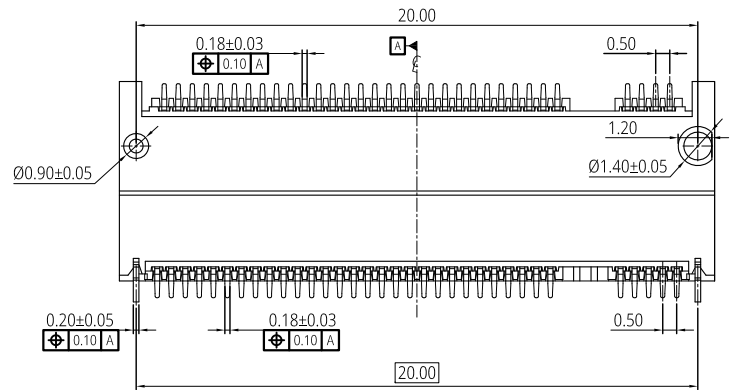
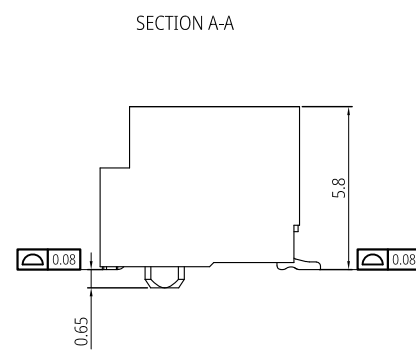
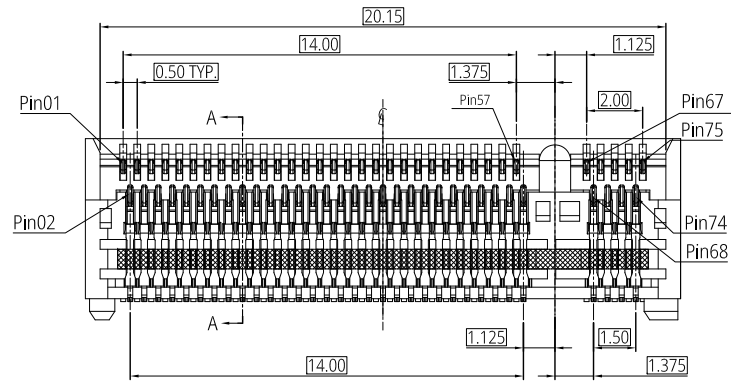


- Notes:
- Material Specification:
    - Housing: LCP+30% G.F UL94 V-0.
    - Contact: Copper Alloy (C5210) T=0.15mm.
    - Leg: Copper Alloy (C2680) T=0.20mm.
  - Plating Specification:
    - Contact: see P/N.
    - Leg: Matte Tin 50µ" min. overall, Nickel 50µ" min. underplated.
  - Mechanical Performance:
    - Insertion force: 20N max.
    - Withdrawal force: 20N max.
    - Durability: 60 cycles min.
    - Vibration:
      - No electrical discontinuity greater than 1u second shall occur;
    - Mechanical shock: 285G half sine/6 axis. no electrical discontinuity greater than 1u second shall occur;
  - Electrical Performance:
    - Current Rating: 0.5A (per pin).
    - Voltage Rating: 50V AC (per pin).
    - LLCR: Contact 55mΩ max.(initial), 20mΩ max. change allowed (final).
    - Insulation Resistance: 5,000MΩ min. at 500V DC.
    - Dielectric withstand voltage: 300V AC/60s.
  - IR Reflow:
    - The peak temperature on board shall be maintained for 10 seconds at 260±5°C.
  - Operating temperature range: -40°C~85°C(without loss function).
  - All parts RoHS and Reach compliant.



Part Number: PHN27101M00X

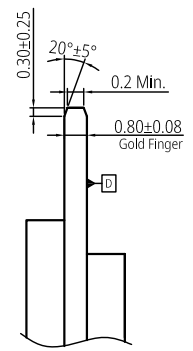
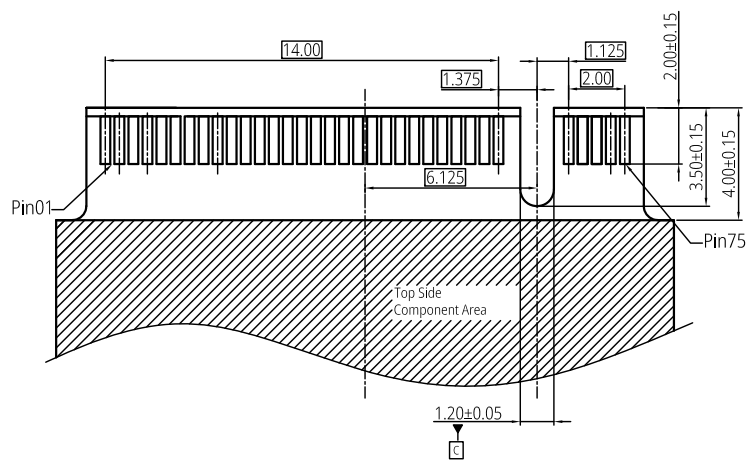
Contact Plating Spec. Code:

7: Gold Flash on Contact area, matte Tin 80µ" min. on Tails and 50µ" min. Nickel overall.

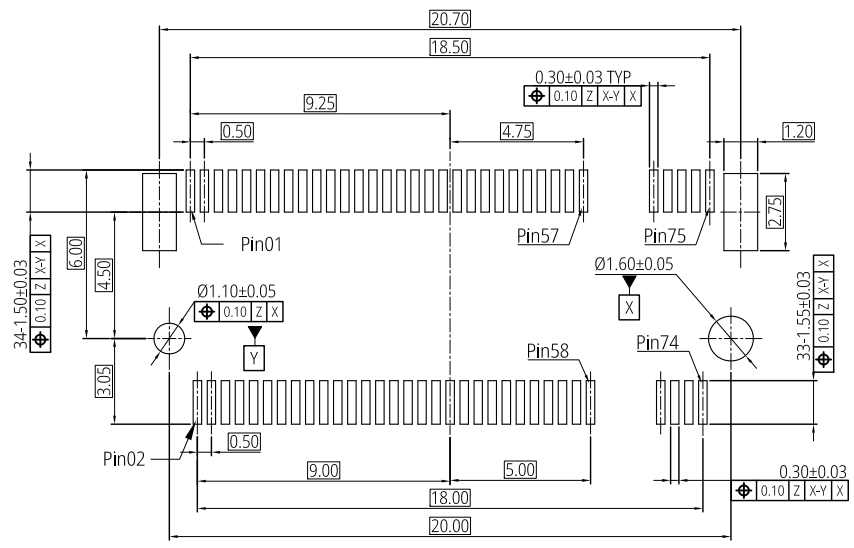
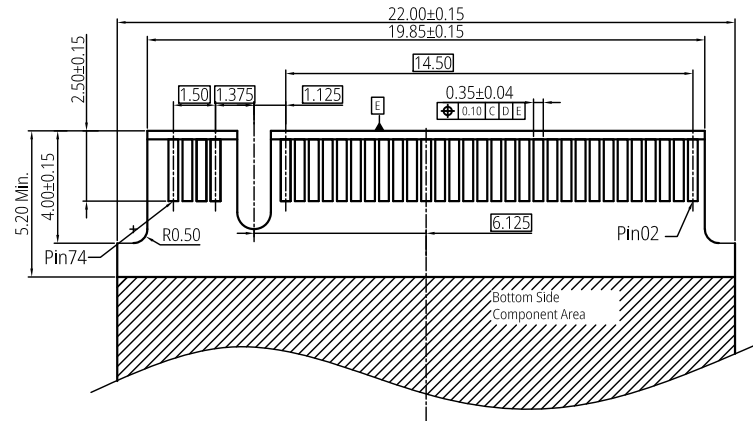
9: Au 5µ" on Contact area, matte Tin 80µ" min. on Tails and 50µ" min. Nickel overall.

A: Au 10µ" on Contact area, matte Tin 80µ" min. on Tails and 50µ" min. Nickel overall.

GENERAL TOLERANCES UNLESS SPECIFIED		PART NO. PHN27101M00X	APPROVED BY Mike	TITLE NGFF 67Pin Socket (M.2 Connector) 0.5Pitch, Top-Mount 5.8H. STD. M-Key, Dual-SMT Type		
X± 0.30	X.°± 3°					
XX± 0.20	.X°± 2°	CHECKED BY Kysin	DWG NO. PHN27-10M			
XXX± 0.05	.XX°± 1°					
CUSTOMER DRAWING		DRAWN BY Lucie	SHEET 1 / 3	SCALE 1:1	REV A2	
SIZE A4	UNITS mm[only]					

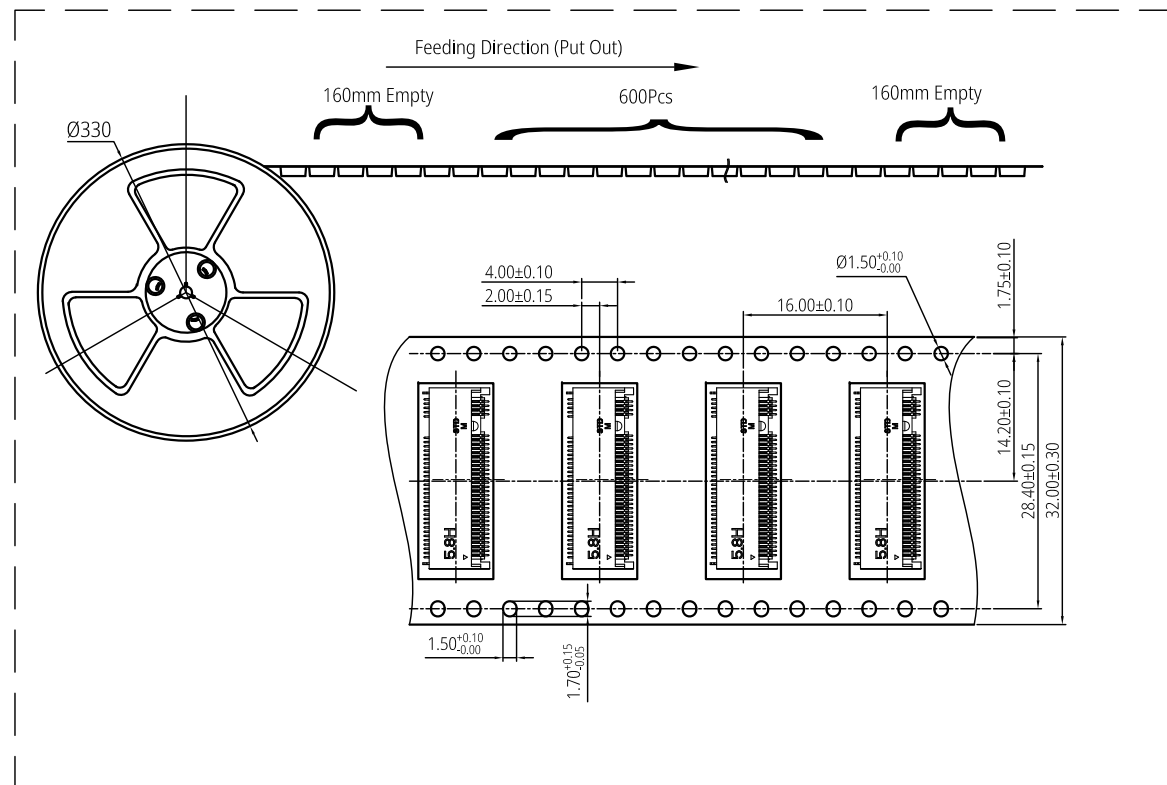
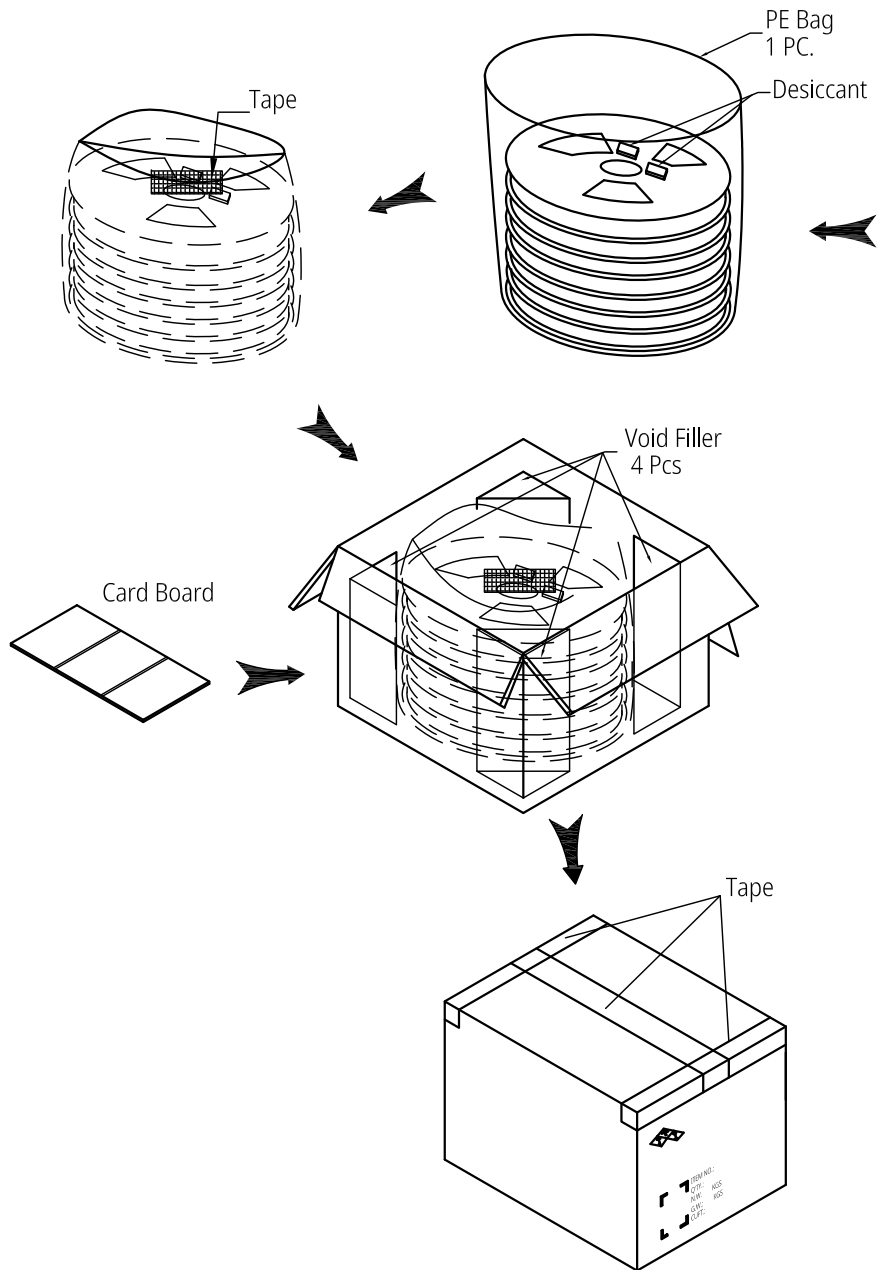


Recommended Mould Finger Layout  
Default Tolerance ±0.05



Recommended PCB Layout(Top View)  
Default Tolerance ±0.05

THIS DRAWING AND SPECIFICATION ARE THE PROPERTY OF Prolanv AND SHALL NOT BE COPIED OR USED WITHOUT Prolanv PERMISSION	GENERAL TOLERANCES UNLESS SPECIFIED		PART NO. PHN27101M00X	<b>Prolanv®</b>			
	X± 0.30	X°± 3°					
	XX± 0.20	X°± 2°	APPROVED BY Mike	TITLE NGFF 67Pin Socket (M.2 Connector) 0.5Pitch, Top-Mount 5.8H. STD. M-Key, PCB-Layout			
	XXX± 0.05	XX°± 1°	CHECKED BY Kysin	DWG NO. PHN27-10M			
	SIZE A4	UNITS mm[only]	DRAWN BY Lucie		SHEET 2 / 3	SCALE 1:1	REV A2



Notes:

1. Peel off force of top tape: 0.1~1.3N.
2. Carton size: 350\*350\*380mm. K=K.
3. 600 Pcs/Reel, 6,000 Pcs/Carton.

THIS DRAWING AND SPECIFICATION ARE THE PROPERTY OF Prolanv AND SHALL NOT BE COPIED OR USED WITHOUT Prolanv PERMISSION	GENERAL TOLERANCES UNLESS SPECIFIED		PART NO.		<b>Prolanv®</b>		
	X± 0.30	X°± 3°	PHN27101M00X				
	XX± 0.20	X°± 2°	APPROVED BY		TITLE NGFF 67Pin Socket (M.2 Connector) 0.5Pitch, Top-Mount 5.8H. STD. M-Key, Packaging		
	XXX± 0.05	.XX°± 1°	Mike				
	CUSTOMER DRAWING		CHECKED BY		DWG NO.		
		Kysin		PHN27-10M			
SIZE	UNITS	DRAWN BY			SHEET	SCALE	REV
A4	mm[only]	Lucie			3 / 3	1:1	A2