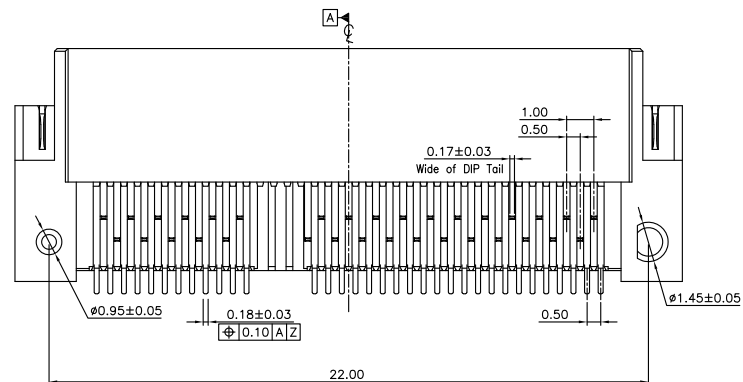
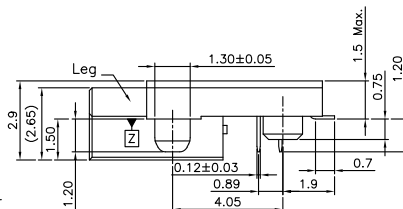
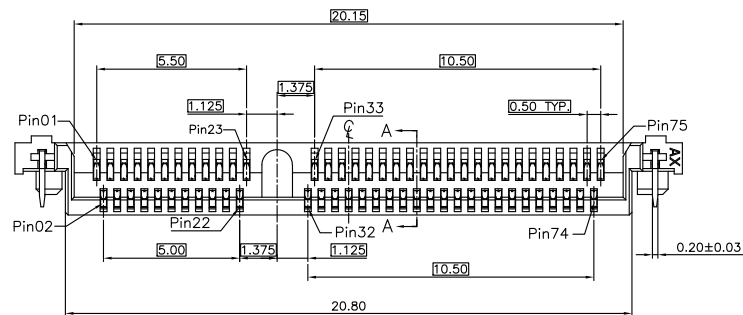


Notes:

1. Material Specification:
 - 1-1. Housing: LCP+30% G.F UL94 V-0.
 - 1-2. Contact: Copper Alloy (C5210) T=0.12mm.
 - 1-3. Leg: Copper Alloy (C2680) T=0.20mm.
2. Plating Specification:
 - 2-1. Contact: see P/N.
 - 2-2. Leg: Matte Tin 50μ" min. overall, Nickel 50μ" min. underplated.
3. Mechanical Performance:
 - 3-1. Insertion force: 20N max.
 - 3-2. Withdrawal force: 20N max.
 - 3-3. Durability: 60 cycles.
 - 3-4. Vibration:
 - No electrical discontinuity greater than 1u second shall occur;
 - 3-5. Mechanical shock: 285G half sine/6 axis. no electrical discontinuity greater than 1u second shall occur;
4. Electrical Performance:
 - 4-1. Current Rating: 0.5A (per pin).
 - 4-2. Voltage Rating: 50V AC (per pin).
 - 4-3. LLCR: Contact 55 mΩ max.(initial), 20 mΩ max. change allowed (final).
 - 4-4. Insulation Resistance: 5,000 MΩ min. at 500V DC.
 - 4-5. Dielectric withstand voltage: 300V AC/60s.
5. IR Reflow:
 - The peak temperature on board shall be maintained for 10 seconds at 260±5°C.
6. Operating temperature range: -40°C~85°C(without loss function).
7. RoHS and Reach compliant.



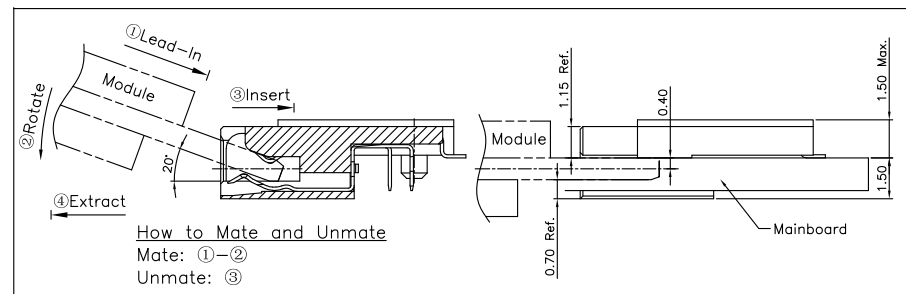
Part Number: PHN03102E20X

Contact Plating Spec. Code:

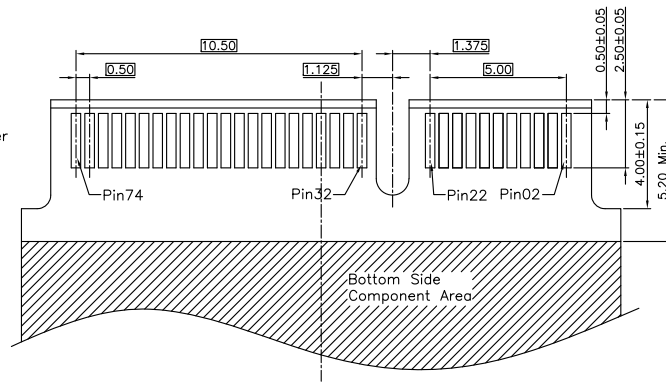
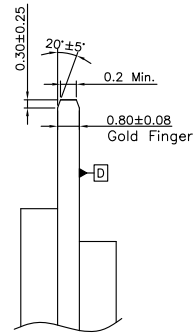
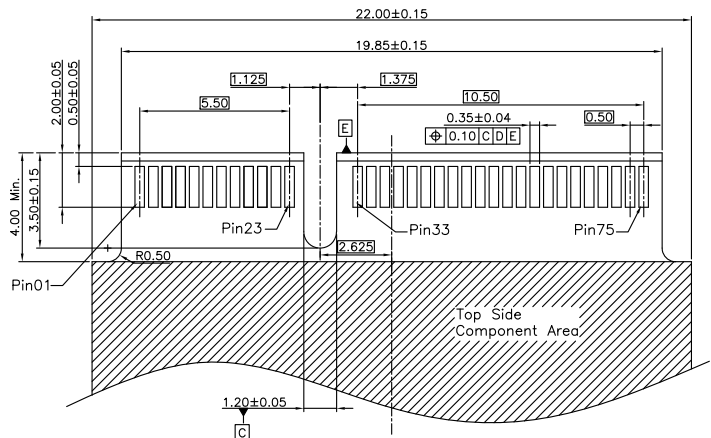
7: Gold Flash on Contact area, matte Tin 80μ" min. on Tails and 50μ" min. Nickel overall.

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

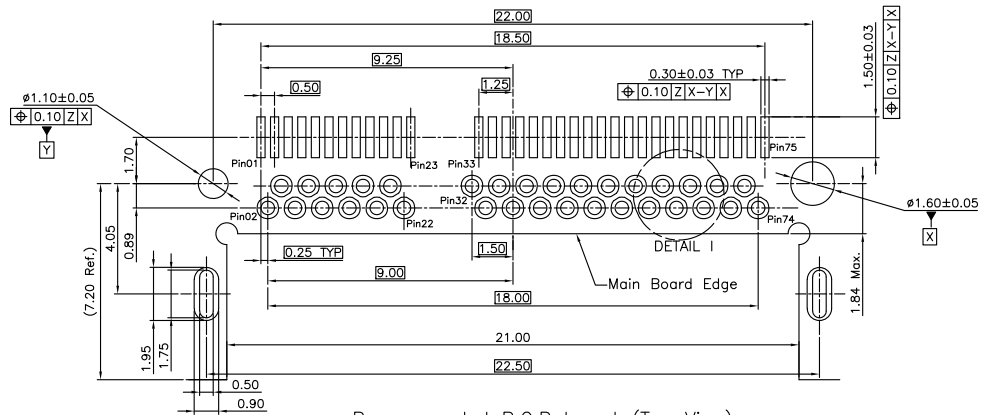
A: Au 10μ" on Contact area, matte Tin 80μ" min. on Tails and 50μ" min. Nickel overall.



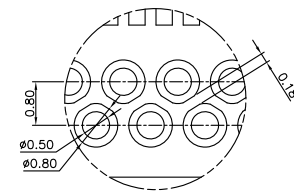
THIS DRAWING AND SPECIFICATION ARE THE PROPERTY OF Prolanv AND SHALL NOT BE COPIED OR USED WITHOUT PERMISSION	GENERAL TOLERANCES UNLESS SPECIFIED		PART NO. PHN03102E20X	<h1>Prolanv®</h1>					
	.X± 0.30	X.°± 3°			APPROVED BY KYSIN	TITLE NGFF Socket (M.2 Connector) 0.50mm Pitch, Mid-Mount 1.5H, STD. E-Key. Hybrid Type			
	.XX± 0.20	X.°± 2°	CHECKED BY HARRY	DWG NO. PHN03-12E					
	.XXX± 0.10	.XX°± 1°	DRAWN BY LUCIE	<table border="1"> <tr> <td>SHEET</td> <td>SCALE</td> <td>REV</td> </tr> <tr> <td>1 / 3</td> <td>1:1</td> <td>B2</td> </tr> </table>	SHEET	SCALE	REV	1 / 3	1:1
SHEET	SCALE	REV							
1 / 3	1:1	B2							



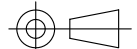
Recommended Module Finger Layout

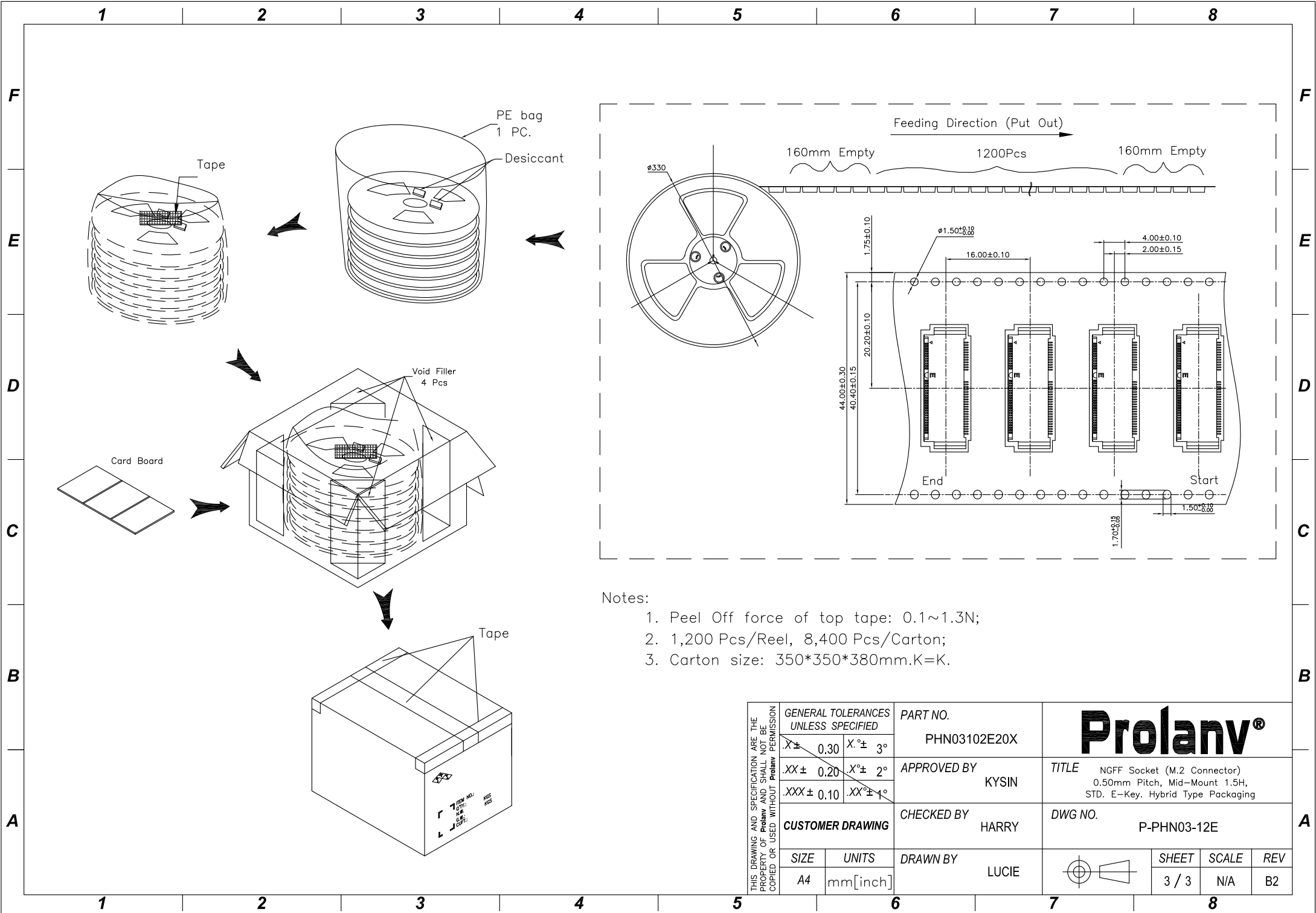


Recommended P.C.B layout (Top View)
Default tolerance ±0.05



DETAIL I
2 : 1

THIS DRAWING AND SPECIFICATION ARE THE PROPERTY OF Prolanv AND SHALL NOT BE COPIED OR USED WITHOUT PERMISSION OF Prolanv	GENERAL TOLERANCES UNLESS SPECIFIED		PART NO.		Prolanv®		
	.X ± 0.30 X° ± 3°		PHN03102E20X				
	.XX ± 0.20 X° ± 2°		APPROVED BY		TITLE NGFF Socket (M.2 Connector) 0.50mm Pitch, Mid-Mount 1.5H, STD. E-Key, Hybrid Type Layout		
	.XXX ± 0.10 .XX° ± 1°		KYSIN				
CUSTOMER DRAWING		CHECKED BY		DWG NO.			
		HARRY		PHN03-12E			
SIZE	UNITS	DRAWN BY			SHEET	SCALE	REV
A4	mm[inch]	LUCIE					



Notes:

1. Peel Off force of top tape: 0.1~1.3N;
2. 1,200 Pcs/Reel, 8,400 Pcs/Carton;
3. Carton size: 350*350*380mm.K=K.

THIS DRAWING AND SPECIFICATION ARE THE PROPERTY OF Prolanv AND SHALL NOT BE COPIED OR USED WITHOUT PERMISSION OF Prolanv.	GENERAL TOLERANCES UNLESS SPECIFIED $X \pm 0.30$ $X^\circ \pm 3^\circ$		PART NO. PHN03102E20X		<h1>Prolanv®</h1>	
	$.XX \pm 0.20$ $X^\circ \pm 2^\circ$		APPROVED BY KYSIN			TITLE NGFF Socket (M.2 Connector) 0.50mm Pitch, Mid-Mount 1.5H, STD. E-Key, Hybrid Type Packaging
	$.XXX \pm 0.10$ $.XX^\circ \pm 1^\circ$		CHECKED BY HARRY		DWG NO. P-PHN03-12E	
	CUSTOMER DRAWING	SIZE A4	UNITS mm[inch]	DRAWN BY LUCIE		
			SHEET 3 / 3	SCALE N/A	REV B2	