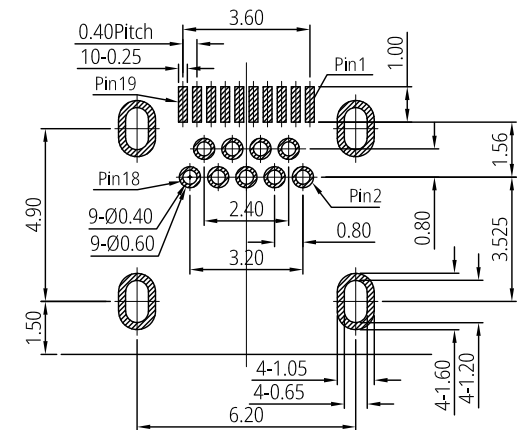
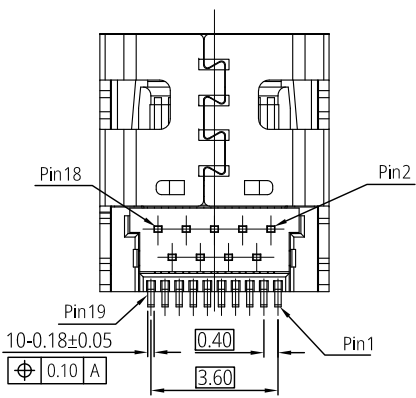
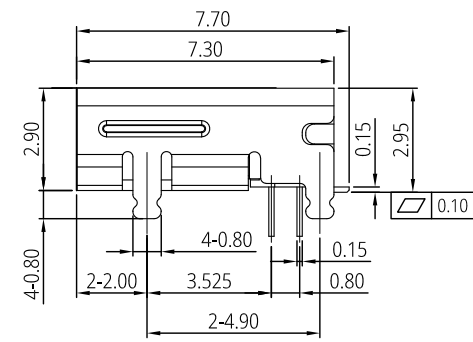
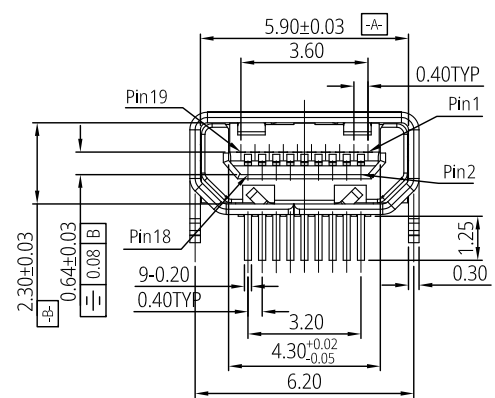
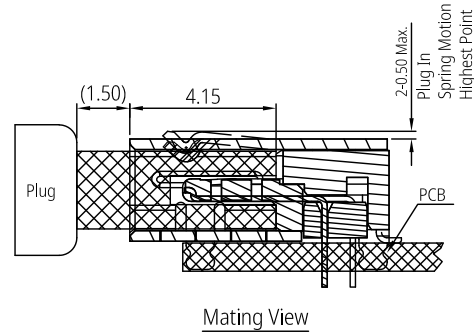
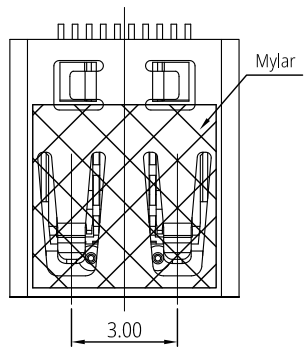


F  
E  
D  
C  
B  
A

F  
E  
D  
C  
B  
A

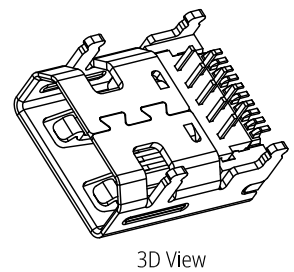


Recommended P.C.B Layout (Top View)  
Thickness: 0.80±0.05mm

Pin	Signal Assignment
1	Hot Plug Detect
2	Utility
3	TMDS Data2+
4	TMDS Data2 Shield
5	TMDS Data2-
6	TMDS Data1+
7	TMDS Data1 Shield
8	TMDS Data1-
9	TMDS Data0+
10	TMDS Data0 Shield
11	TMDS Data0-
12	TMDS Clock+
13	TMDS Clock Shield
14	TMDS Clock-
15	CEC
16	DDC/CEC Ground
17	SCL
18	SDA
19	+5V Power

Notes:

- Material Specification:
  - 1-1.Housing: LCP+30% G.F UL94 V-0.
  - 1-2.Contact: Copper Alloy (C5191) T=0.15mm.
  - 1-3.Shell: Stainless Steel (SUS304) T=0.30mm.
- Plating Specification:
  - 2-1.Contact: see P/N.
  - 2-2.Shell: Nickel Plated.
- Mechanical Performance:
  - 3-1.Insertion force: 44.1N (4.5kgf) max.
  - 3-2.Withdrawal force: 4.9N~25N (0.5~2.5kgf).
  - 3-3.Durability: 5,000 cycles.
- Electrical Performance:
  - 4-1.Current Rating: 0.3A.
  - 4-2.LLCR: Contact: 30 mΩ max.(initial), Shell: 50 mΩ max.(initial).
  - 4-3.Insulation Resistance:
    - Unmated:100 MΩ min. at 500V DC, Mated:10 MΩ min. at 150V DC.
  - 4-4.Dielectric withstand voltage:
    - 150V AC/60s (mated), 250V AC/60s(unmated).
- IR Reflow:
  - The peak temperature on board shall be maintained for 10 seconds at 260±5°C.
- Operating temperature range: -35°C~105°C.
- RoHS and Reach compliant.



3D View

Part Number: PHD121XX1001  
 Shell Plating Spec. Code:  
 0: Nickel Plated. 1: Gold Flash.  
 Contact Plating Spec. Code:  
 A: Gold Flash on Contact area, matte Tin 60µ" min. on Tails, and 50 µ" min. Nickel overall.  
 B: Au 5µ" on Contact area, matte Tin 60µ" min. on Tails and 50 µ" min. Nickel overall.  
 C: Au 15µ" on Contact area, matte Tin 60µ" min. on Tails, and 50 µ" min. Nickel overall.  
 1: Gold Flash on Contact area, and on Tails. and 50 µ" min.Nickel overall.

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GENERAL TOLERANCES UNLESS SPECIFIED		PART NO.	<b>Prolanv®</b>
PHD121XX1001		TITLE	
X ± 0.30	X° ± 3°	APPROVED BY	Micro HDMI (D Type) 19Pin Rec. 0.4Pitch, Top-Mount CH/1.5, Hybrid Type
XX ± 0.20	X° ± 2°	Kysin	DWG NO.
XXX ± 0.05	XX° ± 1°	CHECKED BY	PHD12-11
CUSTOMER DRAWING		Harry	
SIZE	UNITS	DRAWN BY	
A4	mm[only]	Lucie	
		SHEET	SCALE
		1 / 2	1:1
		REV	B1

1 2 3 4 5 6 7 8

F

F

E

E

D

D

C

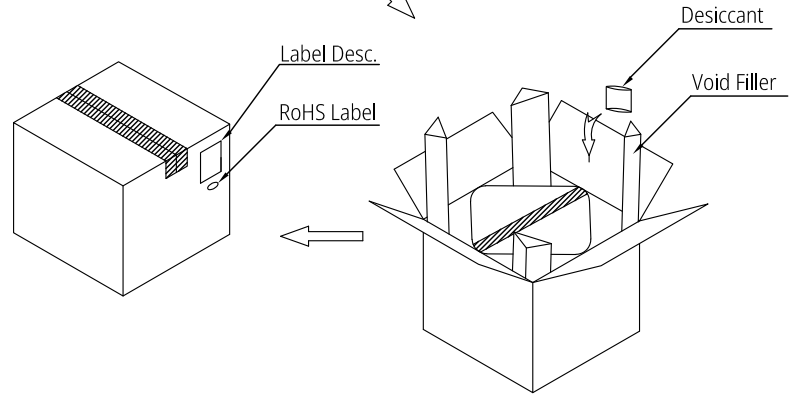
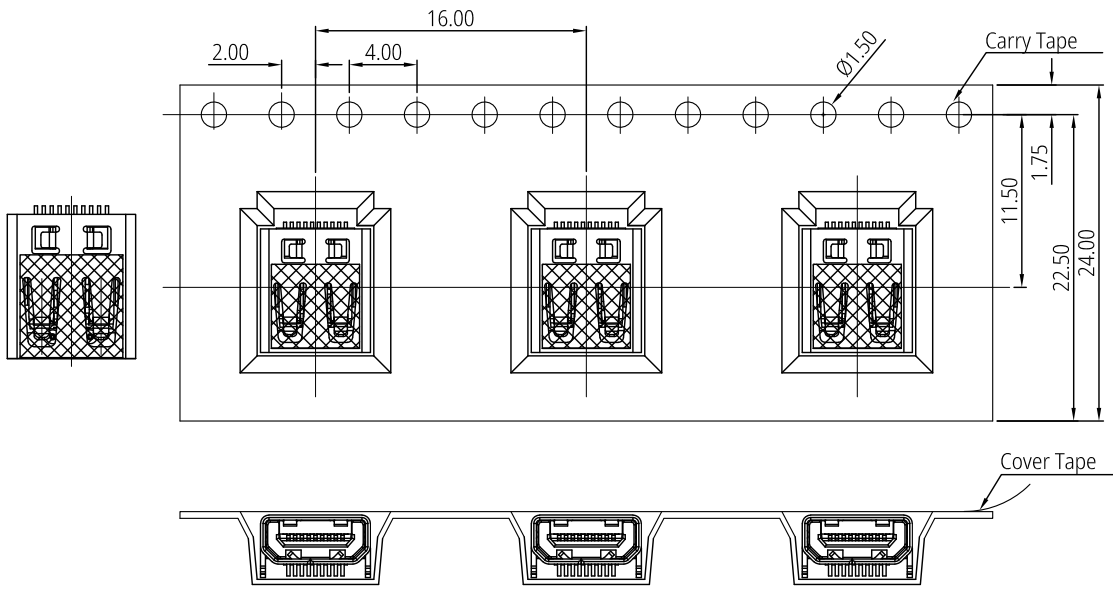
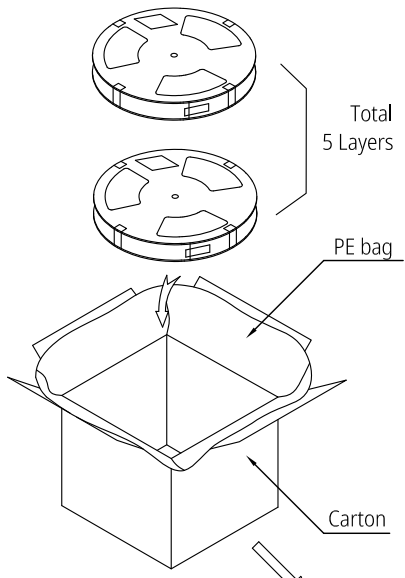
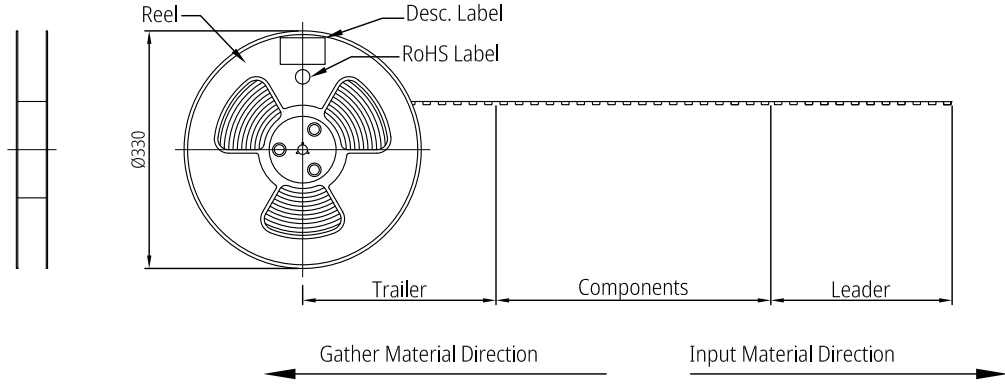
C

B

B

A

A



Notes:

- 1.The start and end of each reel, based on the actual quantity, reserved 10~20 pcs space,
- 2.Cover tape and carry tape peel: 10gf~130gf, Peel Deg.:165°~175°, Peel speed: 250~300mm/min.,
- 3.Carton size: 350\*350\*155mm. K=K,
- 4.Q'ty: 1,000 pcs/reel, 5 reels/carton, Total 5,000 pcs/Carton.

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			PHD121XX1001				
	X ± 0.30	X° ± 3°	APPROVED BY		TITLE Micro HDMI (D Type) 19Pin Rec. 0.4Pitch, Top-Mount CH/1.5, Packaging		
	.XX ± 0.20	.X° ± 2°	Kysin				
	.XXX ± 0.05	.XX° ± 1°	CHECKED BY		DWG NO. P-PHD12-11		
CUSTOMER DRAWING		Harry					
SIZE	UNITS	DRAWN BY			SHEET	SCALE	REV
A4	mm[only]	Lucie					

1 2 3 4 5 6 7 8