

NOTES:

1.MATERIAL SPECIFICATION

- 1-1.HOUSING: LCP+30% G.F BLACK UL94 V-0.
- 1-2.CONTACT: C5191-1/2H T=0.12mm.
- 1-3.SHELL: C5191-1/2H T=0.30mm.
- 1-4.MYLAR: KAPTON BASE, POLYIMIDE TAPE.

2.PLATING SPECIFICATION

- 2-1.CONTACT: N150u" UNDER PLATED,GOLD FLASH PLATED ON THE FUNCTIONAL AREA OF CONTACT,GOLD PLATING OR TIN ON SOLDER AREA.
- 2-2.SHELL: NICKEL PLATED.

3.MECHANICAL PERFORMANCE

- 3-1.INSERTION FORCE: 44.1N (4.5 KGF) MAX.
- 3-2.WITHDRAWAL FORCE: 4.9N~25N(0.5KGF~2.5KGF).
- 3-3.DURABILITY: 5000 CYCLES.

4.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:

- A:UNMATED: 100 MΩ MIN. AT 50V DC.
- B:MATED: 10 MΩ MIN. AT 150V DC.

4-4.DIELECTRIC WITHSTAND VOLTAGE:

- 150V AC/60S(MATED), 250V AC/60S(UNMATED).

5.IR REFLOW:

THE PEAK TEMPERATURE ON BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260±5℃.

6.OPERATING TEMPERATURE RANGE: -25℃~85℃(WITHOUT LOSS FUNCTION).

7.RoHS COMPLIANT OR HALOGEN FREE COMPLIANT.

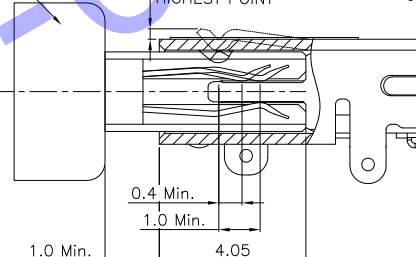
8.P/N: PHD061XX0002

SHELL PLATING CODE:

- 0: NICKEL PLATING 60u" MIN.
- 1: GOLD FLASH

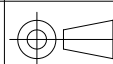
- A: CONTACT AREA: GOLD FLASH. SOLDER AREA: MATTE TIN 60u" MIN.
- B: CONTACT AREA: 5u" GOLD. SOLDER AREA: MATTE TIN 60u" MIN.
- C: CONTACT AREA: 15u" GOLD. SOLDER AREA: MATTE TIN 60u" MIN.

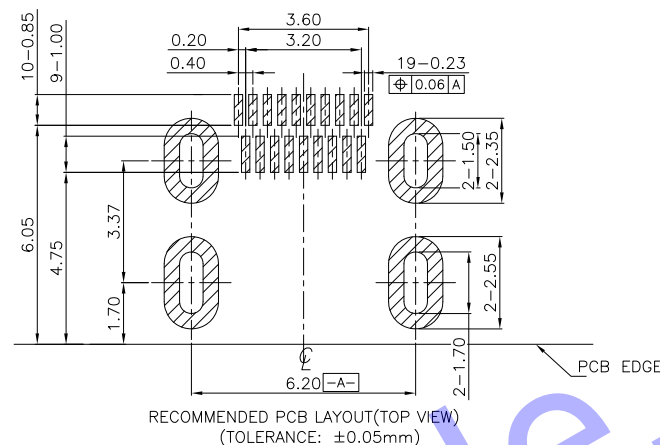
SPRING MOTION HIGHEST POINT



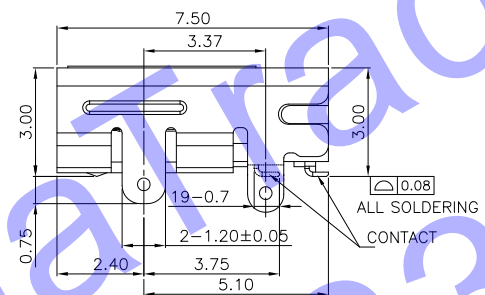
RECEPTACLE AND PLUG MATED CONDITION

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

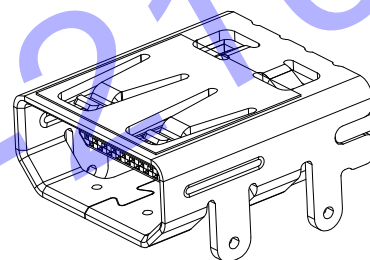
GENERAL TOLERANCES UNLESS SPECIFIED		PART NO. PHD061XX0002	HDC有限公司								
.X ± 0.20	X.° ± 3°										
.XX ± 0.10	X.° ± 2°	APPROVED BY KYSIN	TITLE Micro HDMI (D TYPE) 19PIN RECEPTACLE CH=1.55mm, DUAL-SMT TYPE								
.XXX ± 0.05	.XX.° ± 1°	CHECKED BY HARRY	DWG NO. PHD06-02								
CUSTOMER DRAWING		DRAWN BY LUCIE	 <table border="1"> <tr> <td>SHEET</td> <td>SCALE</td> <td>REV</td> </tr> <tr> <td>1 / 2</td> <td>1:1</td> <td>C2</td> </tr> </table>			SHEET	SCALE	REV	1 / 2	1:1	C2
SHEET	SCALE	REV									
1 / 2	1:1	C2									
SIZE	UNITS										
A4	mm[inch]										



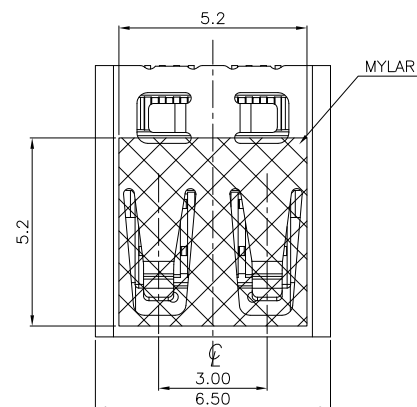
RECOMMENDED PCB LAYOUT(TOP VIEW)  
(TOLERANCE: ±0.05mm)



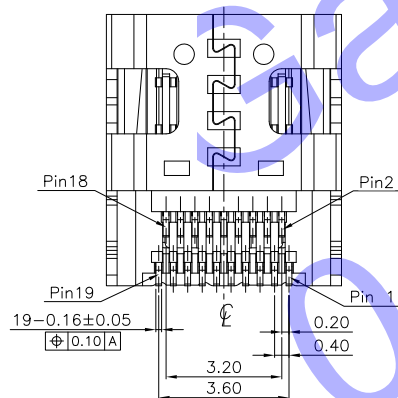
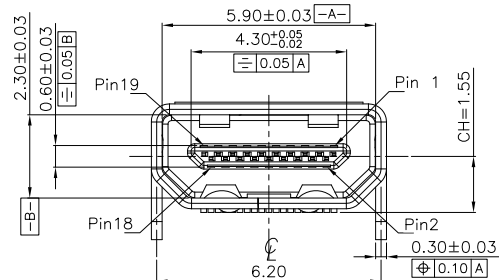
ALL SOLDERING TAIL CONTACT



3D VIEW



MYLAR



F

E

D

C

B

A

F

E

D

C

B

A

1

2

3

4

5

6

7

8

1

2

3

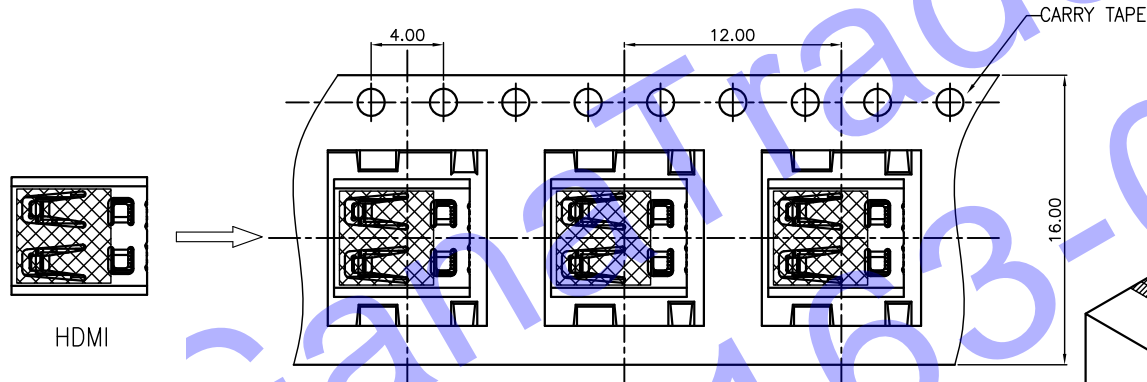
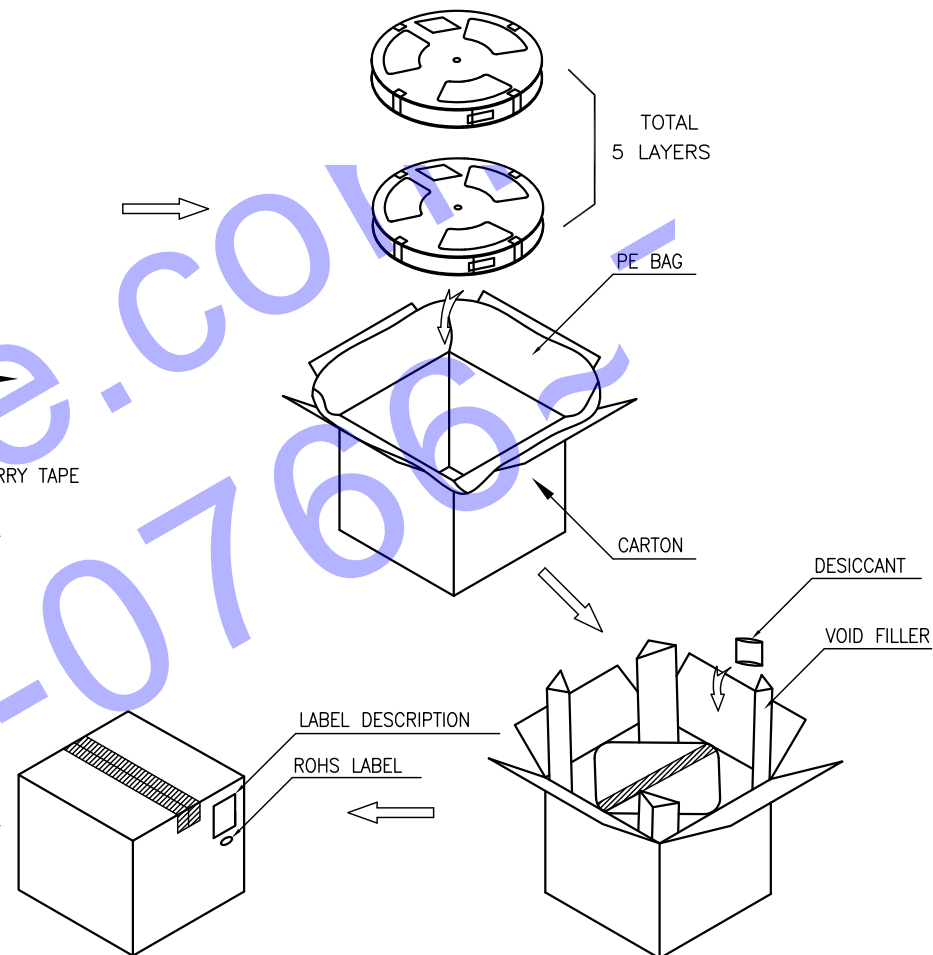
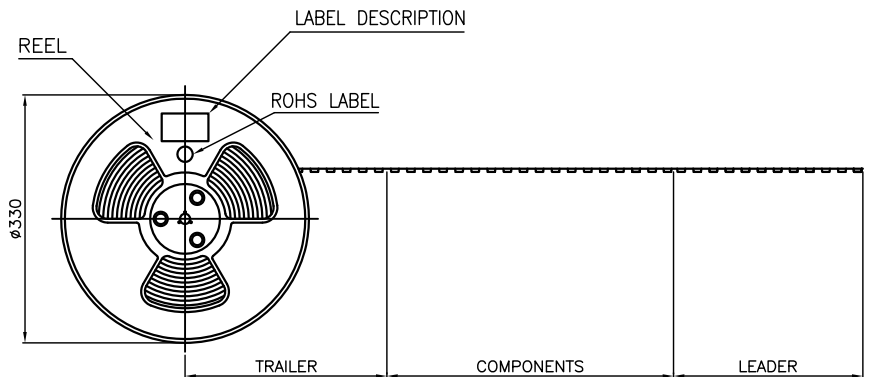
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6

7

8



NOTES:  
 1. THE START AND END OF EACH REEL, BASED ON THE ACTUAL QUANTITY, RESERVED 10--20PCS SPACE;  
 2. COVER TAPE AND CARRY TAPE PEEL: 10g~130g; PEEL DEG.: 165°~175°  
 PEEL SPEED: 250~300mm/min;  
 3. CARTON SIZE: 350\*350\*130MM. K=K.  
 4. QTY': 1200PCS/REEL, 5REEL/CARTON, TOTAL 6000PCS/CARTON.

GENERAL TOLERANCES UNLESS SPECIFIED		PART NO. PHD061XX0002		HDC有限公司	
.X± 0.20	X°± 3°	APPROVED BY KYSIN		TITLE Micro HDMI (D TYPE) 19PIN RECEPTACLE CH=1.55mm. DUAL-SMT TYPE PACKING	
.XX± 0.10	.X°± 2°	CHECKED BY HARRY		DWG NO. P-PHD06-02	
.XXX± 0.05	.XX°± 1°	DRAWN BY LUCIE		SHEET 2 / 2	
CUSTOMER DRAWING		SCALE NA		REV C2	
SIZE A4	UNITS mm[inch]	SHEET 2 / 2		SCALE NA	