

Receptacle and Plug Mated Condition

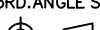
REV.	DESCRIPTION.	ECN NO.	DWG.	CKD.	APPD.	DATE.
A	NEW		Jack	JACK	L.Z.R	2024-05-2
B	添加My1ar、凸包、shell铆合示意	ECN20250522001	Jack	JACK	L.Z.R	2025-05-22

Notes:

1. Materials
 - a. Housing: LCP+30% G/F, Black, UL94 V-0;
 - b. Contact: C7025-H;
 - c. Shell: C5191-H;
2. Ratings
 - a. Current Rating: 0.3A ;
 - b. Operating Temperature: -40°C ~ 85°C;
3. Electrical Requirement:
 - a. LLCR: Excluding Conductor Resistance 10mΩ Max.(Target design value),
Contact: 30mΩ Max. changed (Final), Shell: 50mΩ Max. Changed (Final);
 - b. Dielectric Withstanding Voltage: 150V AC (RMS) for 1 minute (Mated),
250V AC (RMS) for 1 minute (Unmated);
 - c. Insulation Resistance: 10MΩ Min. @ 150V DC (Mated), 100MΩ Min. @ 500V DC (Unmated);
4. Mechanical Performance:
 - a. Insertion force: 44.1N (4.5Kgf) Max.;
 - b. Withdrawal force: 4.9~25N (0.5~2.5Kgf);
 - c. Durability life: 5,000 Cycles;
5. IR Reflow: the peak temperature on board shall be maintained for 10 seconds at 260±5°C.
6. How to order:

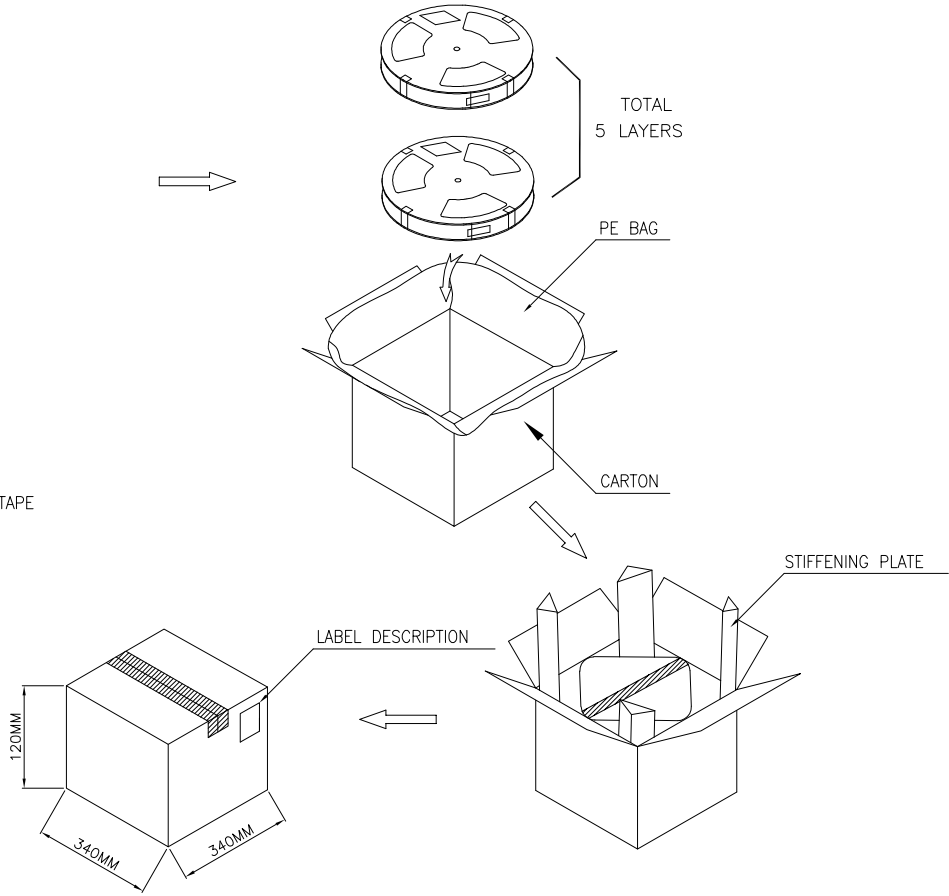
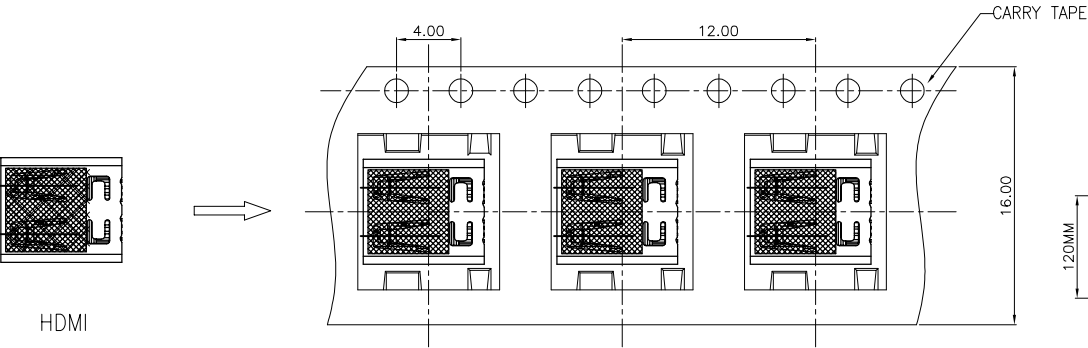
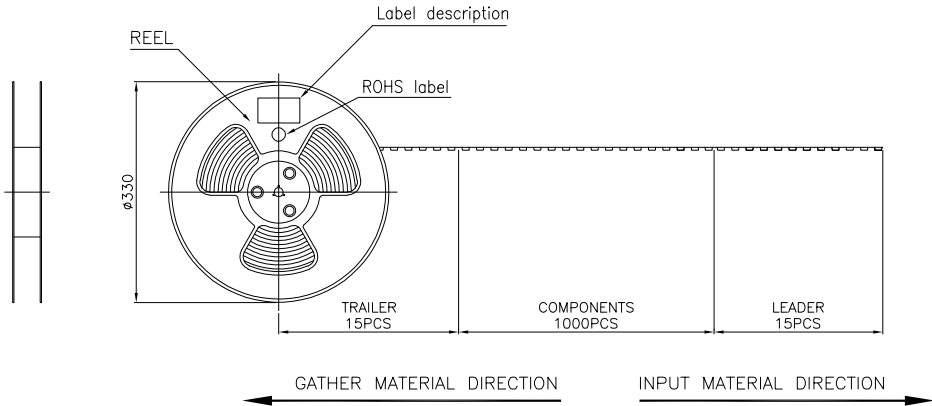
PIN	Signal Assignment
1	Hot Plug Detect
2	Utility
3	TMDS Data2+
4	TMDS Data2- Shield
5	TMDS Data2-
6	TMDS Data1+
7	TMDS Data1- Shield
8	TMDS Data1-
9	TMDS Data0+
10	TMDS Data0- Shield
11	TMDS Data0-
12	TMDS Clock+
13	TMDS Clock- Shield
14	TMDS Clock-
15	CEC
16	DDC/CEC Ground
17	SCL
18	SDA
19	+5V Power

RECOMMENDED PCB LAYOUT(TOP VIEW)
(TOLERANCE: $\pm 0.05\text{mm}$)

TOLERANCES UNLESS OTHERWISE SPECIFIED	深圳市辉焕科技有限公司					
UNIT (MM)	ORIGINAL DATA 2025-05-22		TITLE HDMI Type D 19Pin,板上型CH=1.55,双排SMT,外壳前插后贴			
X. ±0.55	DWG. Jack					
X.X ±0.35						
X.XX ±0.25						
X.XXX ±0.15						
ANGEL ±2°	CKD. JACK		PART NO. HDMI - GD0002-2. 1	SCALE 1: 1	SIZE A4	
3RD.ANGLE'S 	APPD. L.Z.R		DWG NO. HDMI -GD0002-2. 1	SHEET 1/2	REV. B	

RoHS

REV.	DESCRIPTION.	ECN NO.	DWG.	CKD.	APPD.	DATE.
A	NEW		Jack	JACK	L.Z.R	2024-05-25



- Notes:
- The start and end of each reel, based on the actual quantity, reserved 15pcs space;
 - Peel off force of top tape: 10g~130g, peel deg.:165°~175°; peel speed: 250~300mm/min;
 - Carton size: 340*340*120mm.
 - QTY: 1000pcs/reel, 5reel/carton, total 5000pcs/carton;

TOLERANCES UNLESS OTHERWISE SPECIFIED		深圳市辉焕科技有限公司			
UNIT (MM)	X. ±0.55	ORIGINAL DATA		TITLE	
	X.X ±0.35	2022-05-25		HDMI Type D 19Pin,板上型CH=1.55,双排SMT,外壳前插后贴	
	X.XX ±0.25	DWG.			
	X.XXX ±0.15	Jack			
3RD.ANGLE'S	ANGEL ±2°	CKD.		PART NO.	SCALE
		JACK		HDMI -GD0002-2.1	1:1
		APPD.		DWG NO.	SIZE
		L.Z.R		HDMI -GD0002-2.1	A4
				SHEET	REV.
				2/2	A