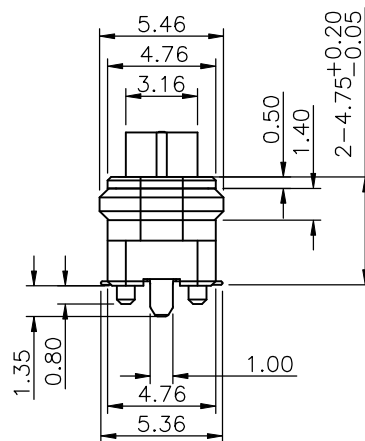
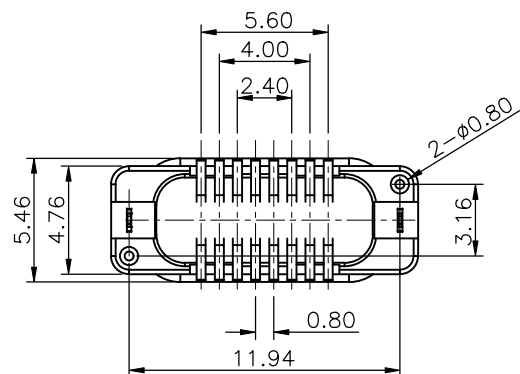
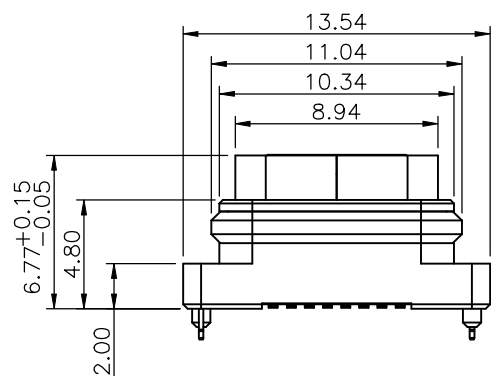
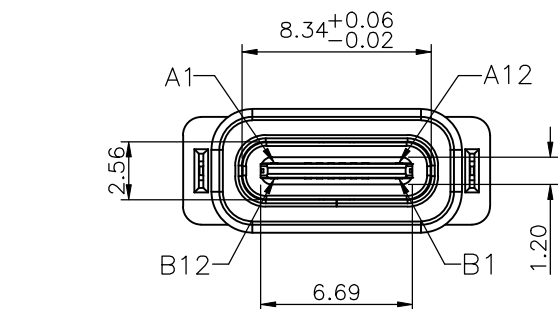




REV.	DESCRIPTION	DRAWN	DATE
1	INITIAL RELEASE	Michael	2025/02/20

1. ELECTRICAL :
 - 1-1. CONTACT CURRENT RATING :
5A (VBUS 1.5A) (GND 1.25A) (0.25A OTHER)
 - 1-2. INSULATION RESISTANCE :
100 MEGAOHMS MIN. AT 250VDC.
 - 1-3. DIELECTRIC WITHSTANDING VOLTAGE :
100VAC MIN.
 - 1-4. LOW LEVEL CONTACT RESISTANCE :
INITIAL 40mΩ MAX. AFTER 50mΩ MAX.
 - 1-5. VOLTAGE : 20V

2. MECHANICAL CHARACTERISTICS :
 - 2-1. MATING FORCE: 5~20N. ;
 - 2-2. UNMATING FORCE:
8~20N(INITIAL), 6~20N (AFTER 10000 CYCLES);
 - 2-3. DURABILITY : 10,000 MATING CYCLES.
 - 2-4. OPERATING TEMPERATURE : -40°C TO +85°C

4	O-RING	Silicone
3	SHELL	Stainless steel, Nickel plating
2	CONTACT	Copper Nickel Silicon Alloy, 3u" Gold plating over Nickel
1	HOUSING	PA9T. UL94-V0, black
NO.	PART NAME	DESCRIPTION

UNLESS OTHERWISE SPECIFIED TOLERANCE				ATTEND www.attend.com.tw	
UNIT: mm	DECIMAL	LINEAR	ANGLES		
	X.	±0.50	±5°		
	X.X	±0.25	±3°		
	X.XX	±0.12	±1°		
DRAWN	Michael	2023/02/20	DRAWN NAME: USB Type C Straight Receptacle, 16 Pin Dual Row SMT 3u", IP68 Waterproof, w/Oring		
CHECKED	Fros	2023/02/20	PRODUCT NO. 217D-AB12		
APPROVED	Ken	2023/02/20	FILE NAME 217D-AB12_B_1		
	SCALE 3/1	SHEET 1/3	SIZE A4		

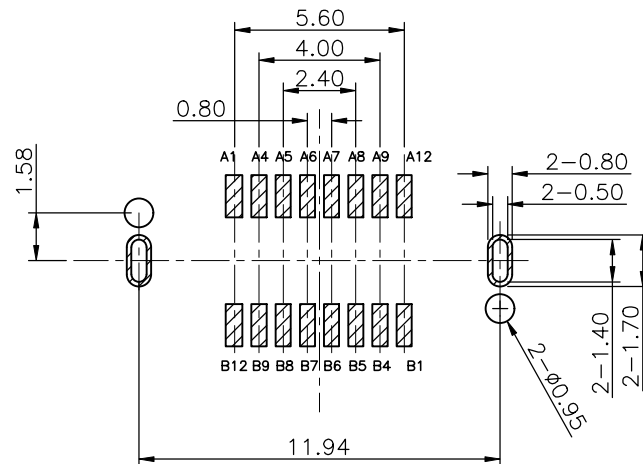
REV.	DESCRIPTION	DRAWN	DATE
1	INITIAL RELEASE	Michael	2025/02/20

INTERFACE(FRONT VIEW)

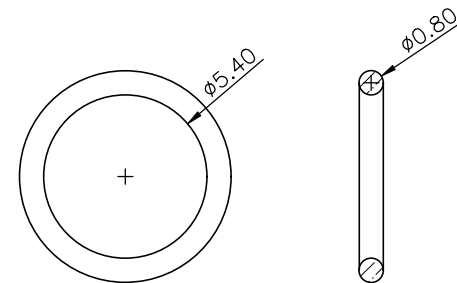
A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND			VBUS	CC1	DP1	DN1	SBU1	VBUS			GND
GND			VBUS	SBU2	DN2	DP2	CC2	VBUS			GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1

PIN ASSIGNMENT

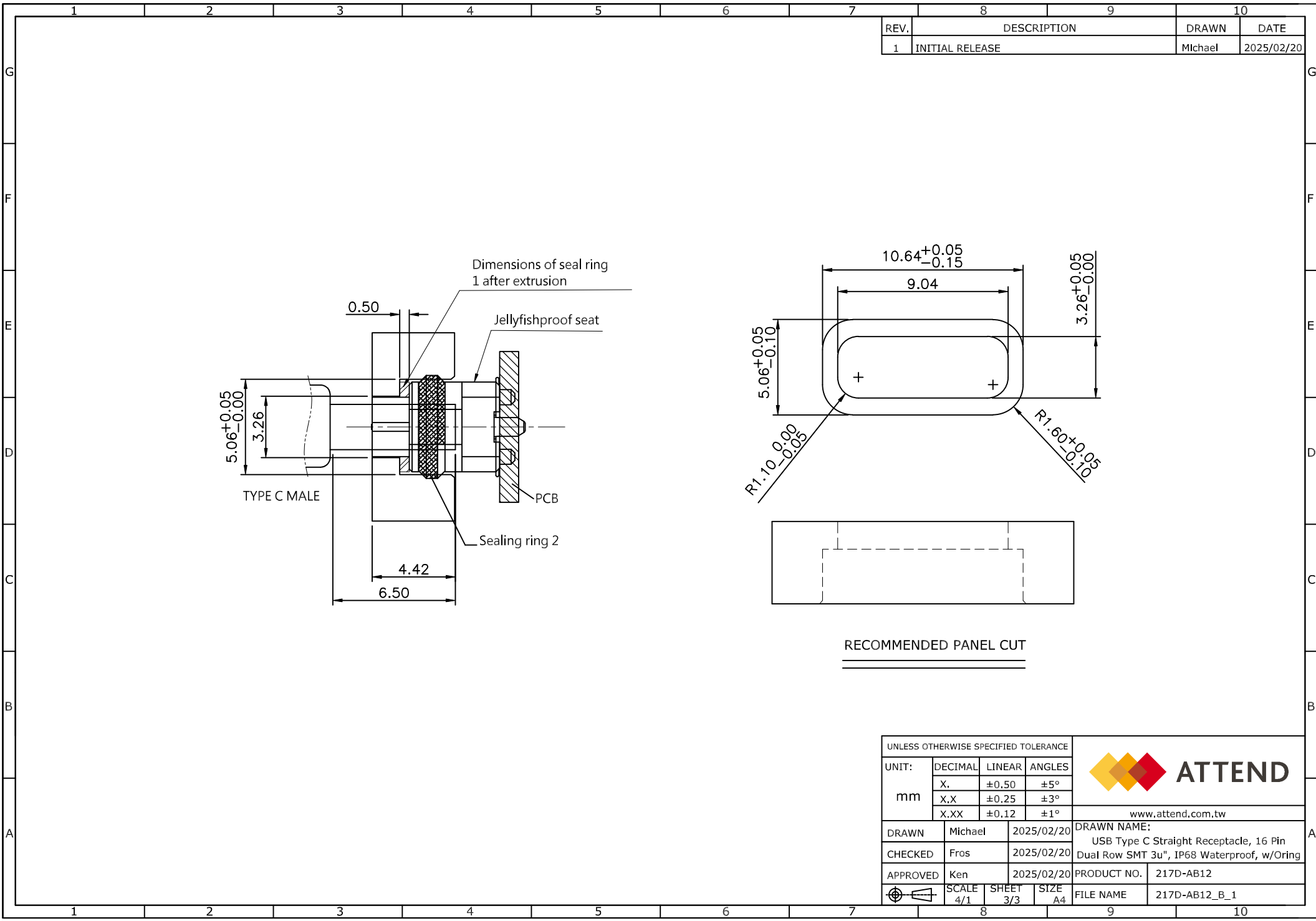
PIN NO.	A1&B12	A4&B9	B8	A5	B7	A6	A7	B6	A8	B5	A9&B4	A12&B1
SINGAL NAME	GND	VBUS	SBU2	CC1	DN2	DP1	DN1	DP2	SBU1	CC2	VBUS	GND
PCB PAD NO.	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12



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



UNLESS OTHERWISE SPECIFIED TOLERANCE				ATTEND	
UNIT: mm	DECIMAL	LINEAR	ANGLES		
	X.	±0.50	±5°		
	X,X	±0.25	±3°		
	X.XX	±0.12	±1°		
				www.attend.com.tw	
DRAWN		Tim	2023/10/18	DRAWN NAME: USB Type C Straight Receptacle, 16 Pin Dual Row SMT 3u", IP68 Waterproof, w/Oring	
CHECKED		Fros	2023/10/18		
APPROVED		Ken	2023/10/18	PRODUCT NO. 217D-AB12	
		SCALE 4/1	SHEET 2/3	SIZE A4	FILE NAME 217D-AB12_B_1

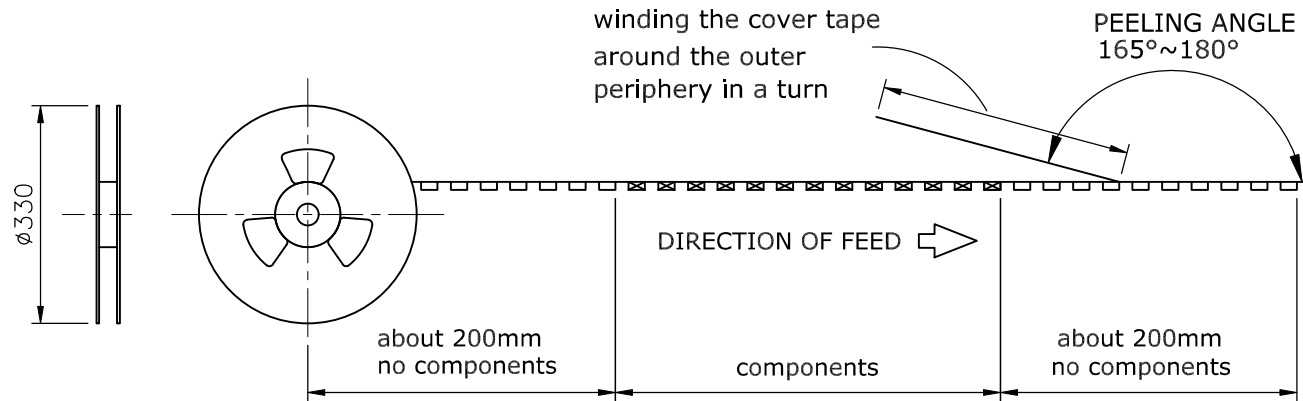


REV.	DESCRIPTION	DRAWN	DATE
1	INITIAL RELEASE	Michael	2025/02/20

RECOMMENDED PANEL CUT

UNLESS OTHERWISE SPECIFIED TOLERANCE				 ATTEND		
UNIT:	DECIMAL	LINEAR	ANGLES			
mm	X.	±0.50	±5°	www.attend.com.tw		
	X.X	±0.25	±3°			
	X.XX	±0.12	±1°			
DRAWN	Michael	2025/02/20	DRAWN NAME:			
CHECKED	Fros	2025/02/20	USB Type C Straight Receptacle, 16 Pin Dual Row SMT 3u", IP68 Waterproof, w/Oring			
APPROVED	Ken	2025/02/20	PRODUCT NO. 217D-AB12			
	SCALE 4/1	SHEET 3/3	SIZE A4	FILE NAME	217D-AB12_B_1	

REV.	DESCRIPTION	DRAWN	DATE
1	INITIAL RELEASE	Michael	2025/02/20



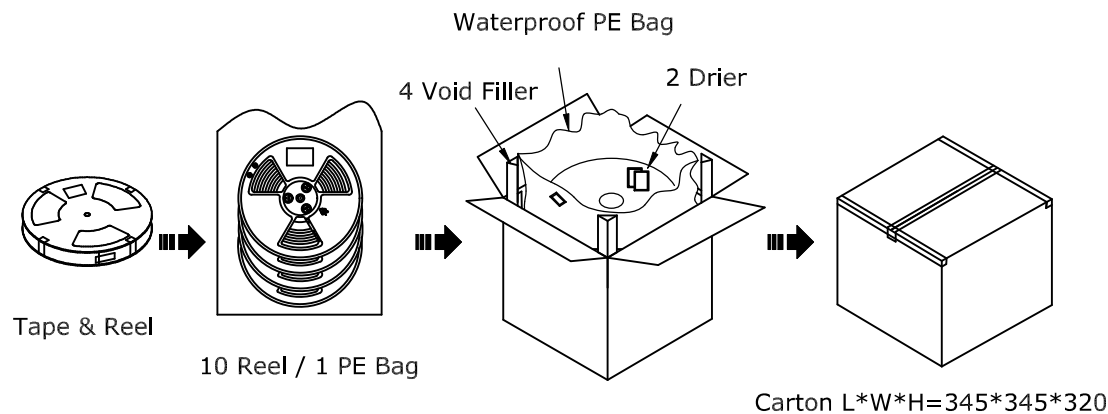
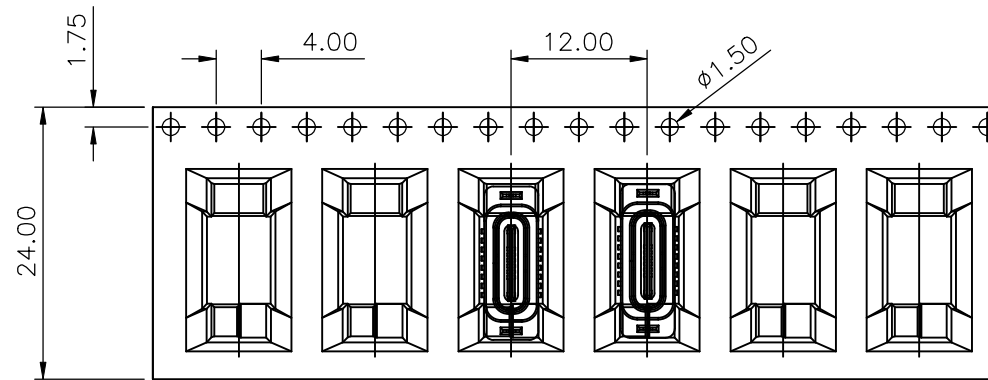
PACKAGING SPECIFICATION:

1. MATERIAL

- 1.1 Embossed Carrier Tape: PS Black
- 1.2 Top Cover Tape: PET
- 20-80g(Peel Speed 300mm/Minute)
- 1.3 Taping Reel: Plastic

2. PACKING

- 2.1 Quantity:
- 600 Piece/Reel
- 6000 Piece/Outer Carton



UNLESS OTHERWISE SPECIFIED TOLERANCE				ATTEND www.attend.com.tw	
UNIT: mm	DECIMAL	LINEAR	ANGLES		
	X.	±0.50	±5°		
	X.X	±0.25	±3°		
	X.XX	±0.12	±1°		
DRAWN		Michael	2025/02/20	DRAWN NAME: USB Type C Straight Receptacle, 16 Pin Dual Row SMT 3u", IP68 Waterproof, w/Oring	
CHECKED		Fros	2025/02/20		
APPROVED		Ken	2025/02/20	PRODUCT NO.	217D-AB12
	SCALE N/A	SHEET 1/1	SIZE A4	FILE NAME	217D-AB12_D_1