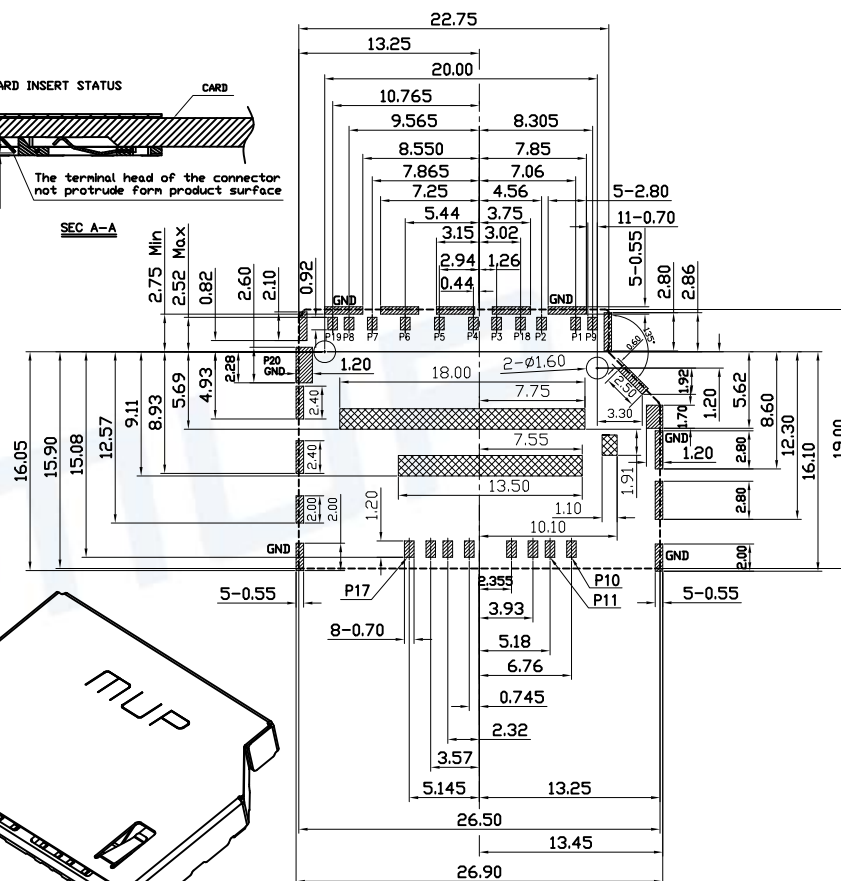
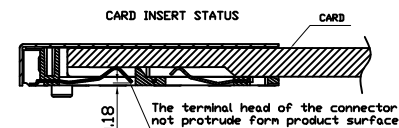
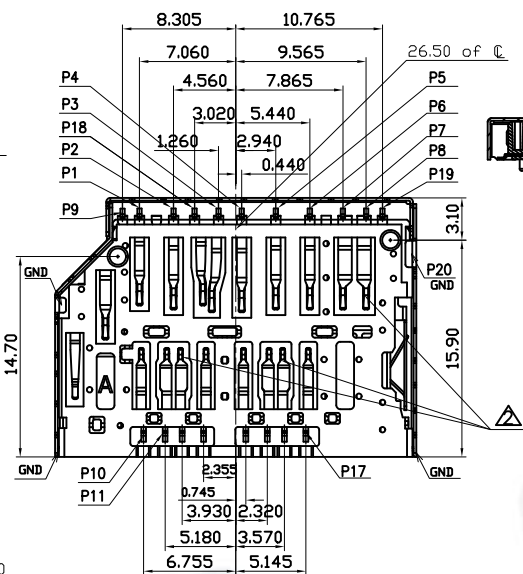




RECOMMENDED P.C.B LAYOUT
COMPONENT SIDE(TOLERANCE ±0.05)

	PAD AREA
	CONNECTOR OUTLINE
	NO PATTERN AND VIA HOLE IN THIS AREA

Pin No.	UHS-I Mode(SD Mode)		Pin No.	UHS-II Mode	
	Name	Discription		Name	Discription
P1	CD/DAT3	Card Detect/Data Line [Bit 3]			
P2	CMD	Command / Response			
P3	VSS1	Supply Voltage Ground	P3	VSS1	Supply Voltage Ground
P4	VDD	Supply Voltage	P4	VDD1	Supply Voltage (2.7V To 3.6V)
P5	CLK	Clock			
P6	VSS2	Supply Voltage Ground	P6	VSS2	Supply Voltage Ground
P7	DAT0	Data Line [Bit 0]	P7	RCLK+	Differential Input(clock Input)
P8	DAT1	Data Line [Bit 1]	P8	RCLK-	Differential Input(clock Input)
P9	DAT2	Data Line [Bit 2]			
P18	CD	Card Detect	P18	CD	Card Detect
P19	WP	Write Protect	P19	WP	Write Protect
P20	GND	Ground	P20	GND	Ground
			P10	VSS3	Supply Voltage Ground
			P11	D0+	Differential Data 0+
			P12	D0-	Differential Data 0-
			P13	VSS4	Supply Voltage Ground
			P14	VDD2	Supply Voltage (1.7V To 1.95V)
			P15	D1-	Differential Data 1-
			P16	D1+	Differential Data 1+
			P17	VSS5	Supply Voltage Ground

1.General Characteristic

Dimensions:19.0LX26.50WX3.04H mm

Weight:Approx 1.57±0.2g

Durability:5,000 cycles min.

2.Electrical Characteristics

Operating Voltage: 10V AC Max

Contact Current Rating: 0.5Amperes.

Contact resistance: 100mΩMax

WP resistance: 200mΩMax

Insulation resistance:>1000MΩ/500V DC

Dielectric withstanding voltage: 500VAC / 1minute

3.Solderability

Vaporphase:215°C, 30sec.Max

IR reflow:260°C,5sec.Max

Manual soldering:370°C.3sec.Max

4.Environmental Characteristics

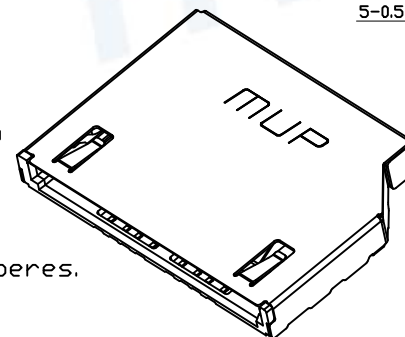
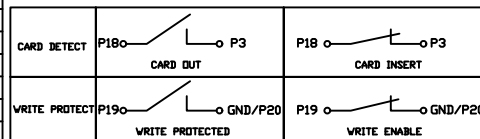
Operating temperature:-25°C~+85°C

Operating humidity:10%~+95%RH

Salty spray: 8H

ITEM	
1	
2	DR
3	

Unless
specific
tolerance



ITEM	PART NAME	Q'TY	MATERIAL	FINISH
1	HOUSING	1	Hi-temp Thermoplastic	LCP+30%GF Black UL94V-0
2	DATA CONTACT	19	C5210R	50u" NI Under Plating Overall, 30u" Au Plating on contact area
3	SHELL	1	SUS304	80u" nickel Plated

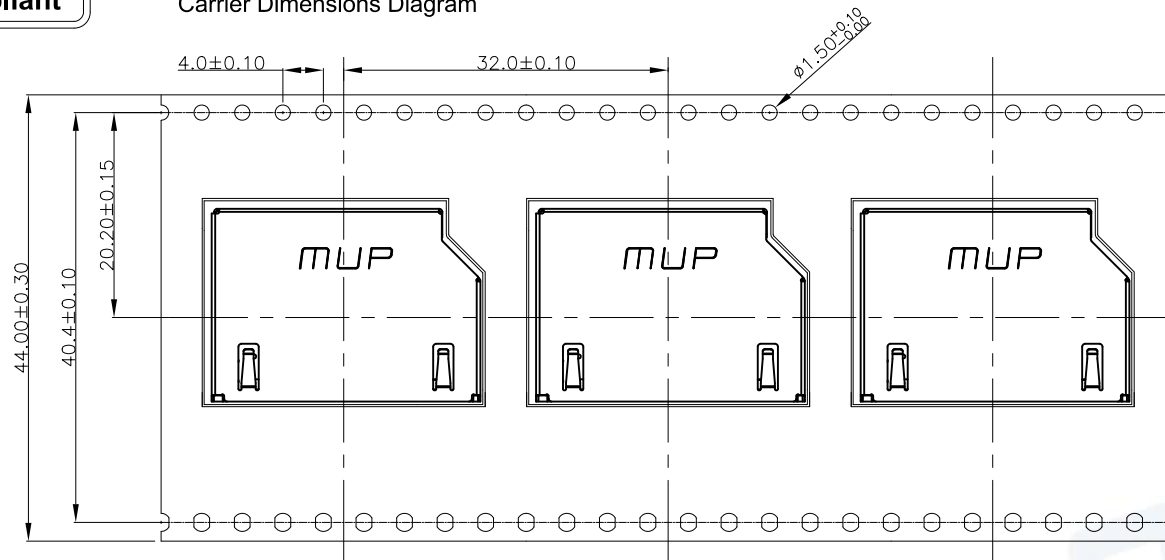
Unless otherwise specified, other tolerance are:

MUP[®] MUP INDUSTRIAL CO.,LTD.

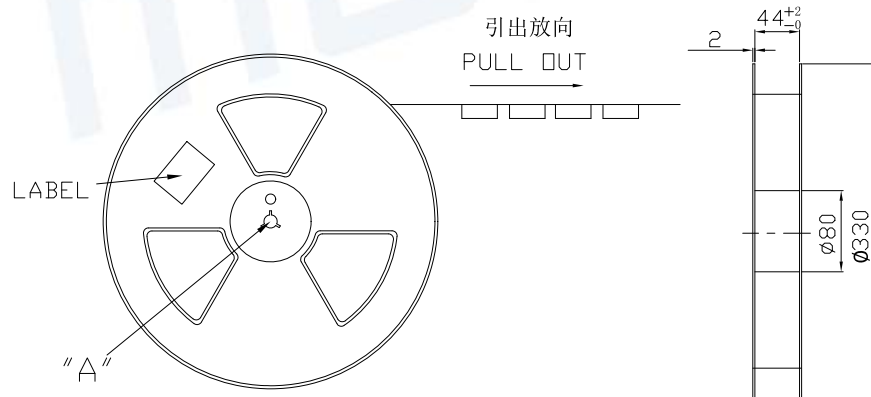
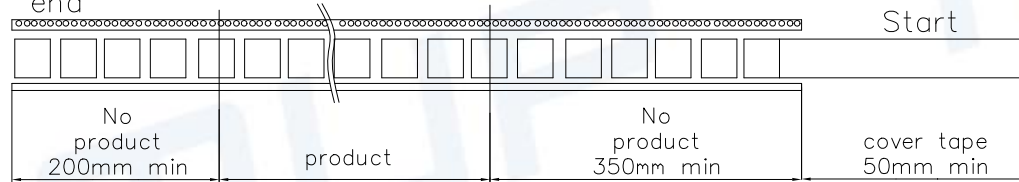
X	±0.35	X*	±5°	NAME:	SD Card Connector		
X.X	±0.25	X.X*	±4°	MODEL NO:	MUP-M6010-02		
X.XX	±0.15	X.XX*	±3°	TYPE :SD 4.0 With Post Push-Pull Short Type(Nickel sulfamate)			
X.XXX	±0.10	X.XXX*	±2°				
PROJ.		UNIT	SCALE	DRAWN	Henry	2025/09/15	DWG NO. :
		mm	1:1	CHECKED	Henry	2025/09/15	DWG-M6010-02-01
CUSTOMER DRAWING				APPROVAL	Simon	2025/09/15	SHEET 1/2
							REVISION 1

HF Compliant

Carrier Dimensions Diagram

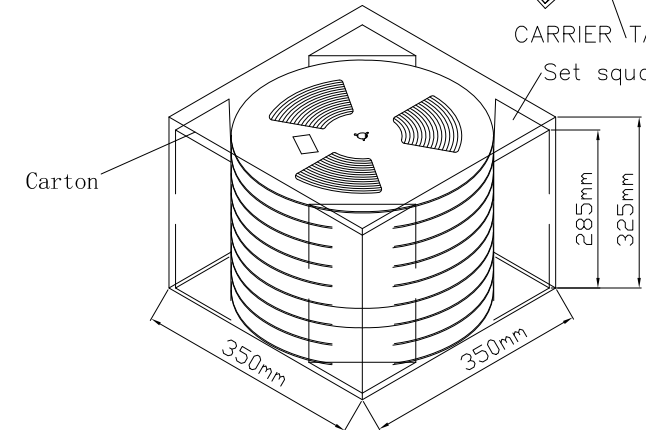
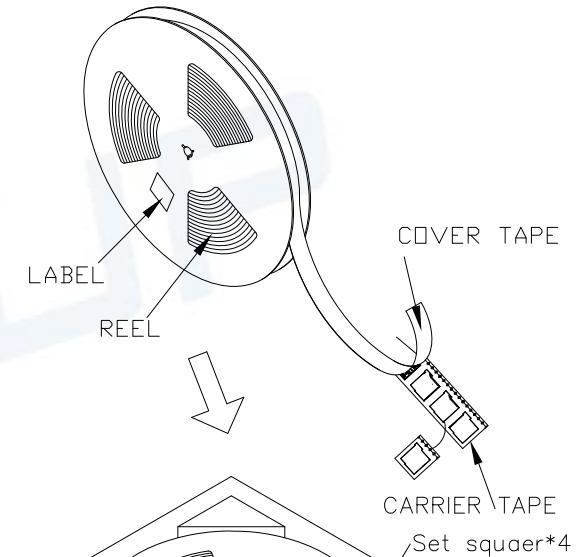


Reel Form Diagram
end



G.W.:1.1 KG
Q'ty:380pcs/Reel
N.W.:3.57 KG
G.W.:7.28KG
Q'ty :2280 pcs per Carton (6 Reel set in order)
Meas : 35.00L×35.00W×31.50H cm

REV.	DESCRIPTION OF REVISIONS	APPR.	CHKD.	DRAW.	DATE
△	NEW			Henry	2024/10/26
△	Terminal structure design change			Henry	2025/01/14



Unless otherwise specified, other tolerance are:				MUP® MUP INDUSTRIAL CO.,LTD.			
X	±0.35	X°	±5°	NAME: SD Card Connector			
X.X	±0.25	X.X°	±4°	MODEL NO: MUP-M6010-02			
X.XX	±0.15	X.XX°	±3°	TYPE : SD 4.0 With Post Push-Pull Short Type(Nickel sulfamate)			
X.XXX	±0.10	X.XXX°	±2°				
PROJ.	UNIT	SCALE	DRAWN	Henry	2025/09/15	DWG NO.:	
mm	1:1	CHECKED	Henry	2025/09/15		SHEET	2/2
CUSTOMER DRAWING				APPROVAL	Simon	2025/09/15	REVISION
				1			