

**MODEL:** SIM-4-A | **DESCRIPTION:** SIM CARD CONNECTOR**FEATURES**

- SIM card connector
- push in, auto eject out
- card detect switch
- gold flash
- surface mount
- UL94V-0

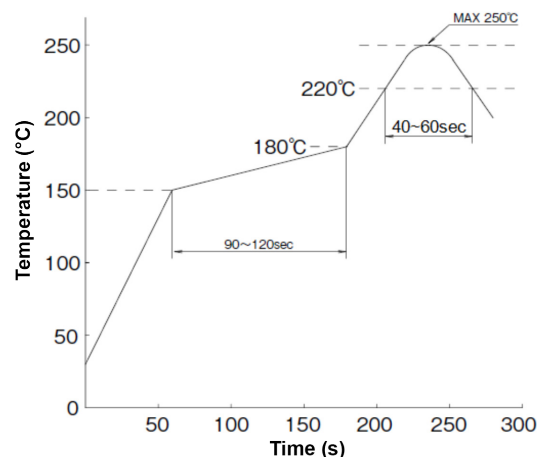
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage				30	V
rated current				0.5	A
contact resistance <sup>1</sup>				100	mΩ
insulation resistance	at 500 Vdc, between adjacent circuits	1,000			MΩ
voltage withstand	for 1 minute, between adjacent circuits		100		Vac
insertion force	at a rate of 25 mm/min			10	N
withdrawal force	at a rate of 25 mm/min	0.5			N
life			5,000		cycles
operating temperature		-40		85	°C
flammability rating	UL94V-0				
RoHS	yes				

Note: 1. When measured at 20 mV / 100 mA.

**SOLDERABILITY**

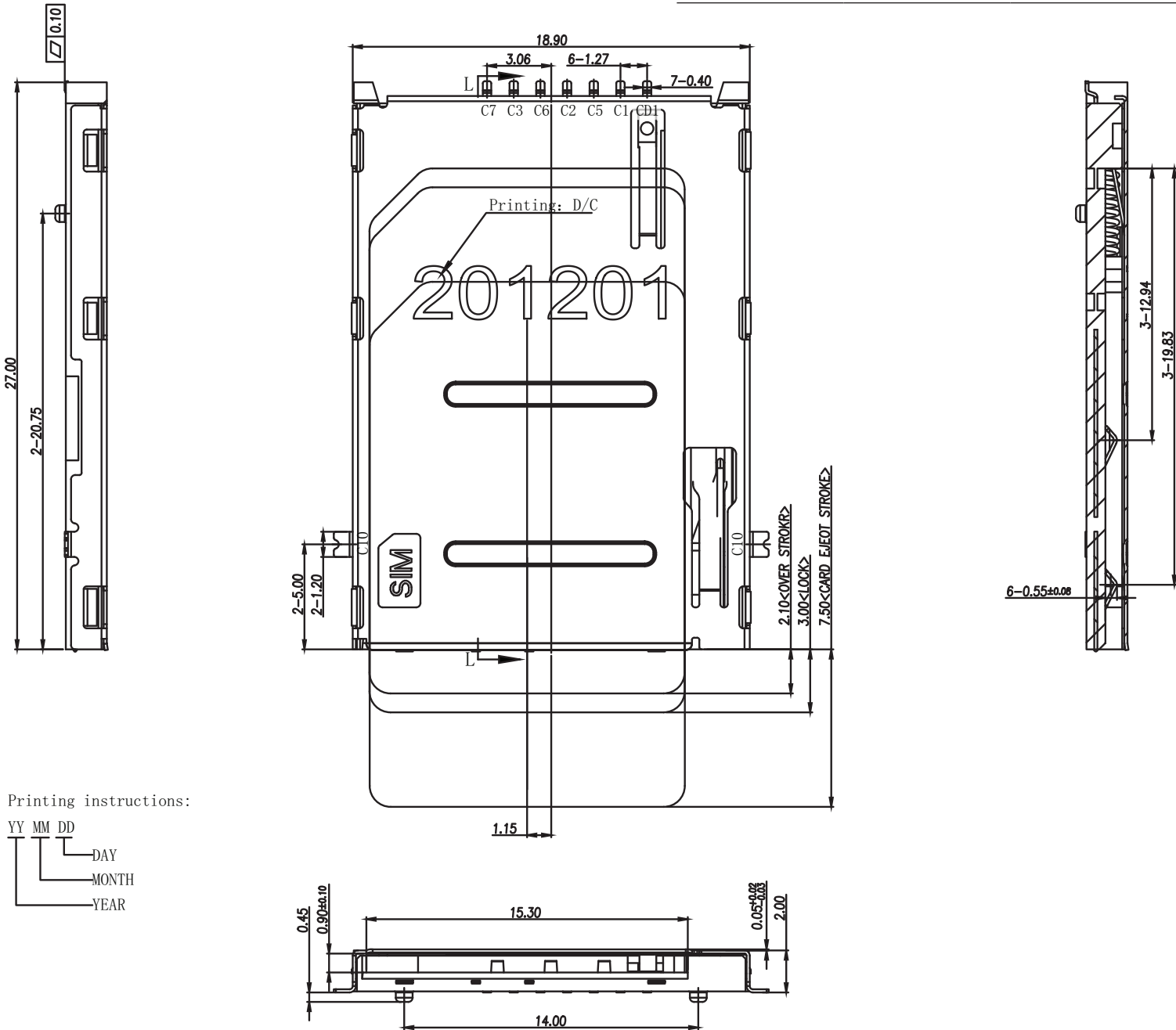
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity 40~70% reel opened: use within 1 month reel unopened: up to 15 month shelf life	16	22	28	°C
reflow soldering	see reflow profile			250	°C



# MECHANICAL DRAWING

units: mm  
tolerance:  
X.X  $\pm 0.30$  mm  
X.XX  $\pm 0.20$  mm  
X.XXX  $\pm 0.10$  mm  
unless otherwise specified

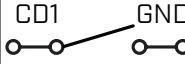
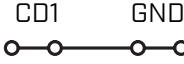
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	LCP 30% GF (UL94-0)	black
contact terminals	phosphor bronze t=0.15 mm	contact area: gold flash over nickel solder area: gold flash over nickel
cover	SUS304 t=0.15 mm	solder area: gold flash over nickel

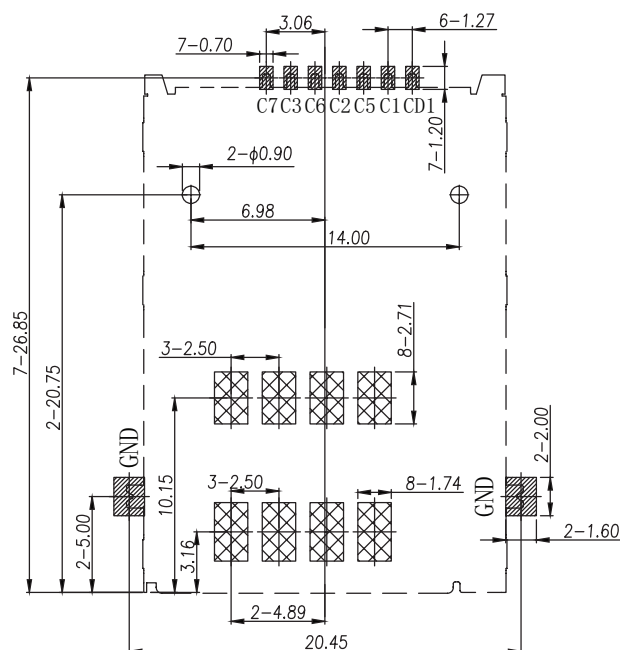


## MECHANICAL DRAWING (CONTINUED)

units: mm  
PCB tolerance:  $\pm 0.05$  mm

PIN CONNECTIONS		
PIN	SIGNAL NAME	DESCRIPTION
C1	VCC	SUPPLY VOLTAGE
C2	RST	RESETTING
C3	CLK	CLOCK
C5	GND	GROUND
C6	VPP	PROGRAMMING VOLTAGE
C7	I/O	DATA LINE
CD1	-	CARD DETECT SWITCH

CARD STATUS	
WITHOUT CARD	CARD INSERTED
	



SMT SOLDER AREA



COPPER RESTRICTED AREA

1. TOUCH AREA OF CONTACT

TIPS NO ELECTRICAL FUNCTION

2. NO FIRST PCB LAYOUT

CIRCUITS IN THE AREA

Recommended PCB Layout

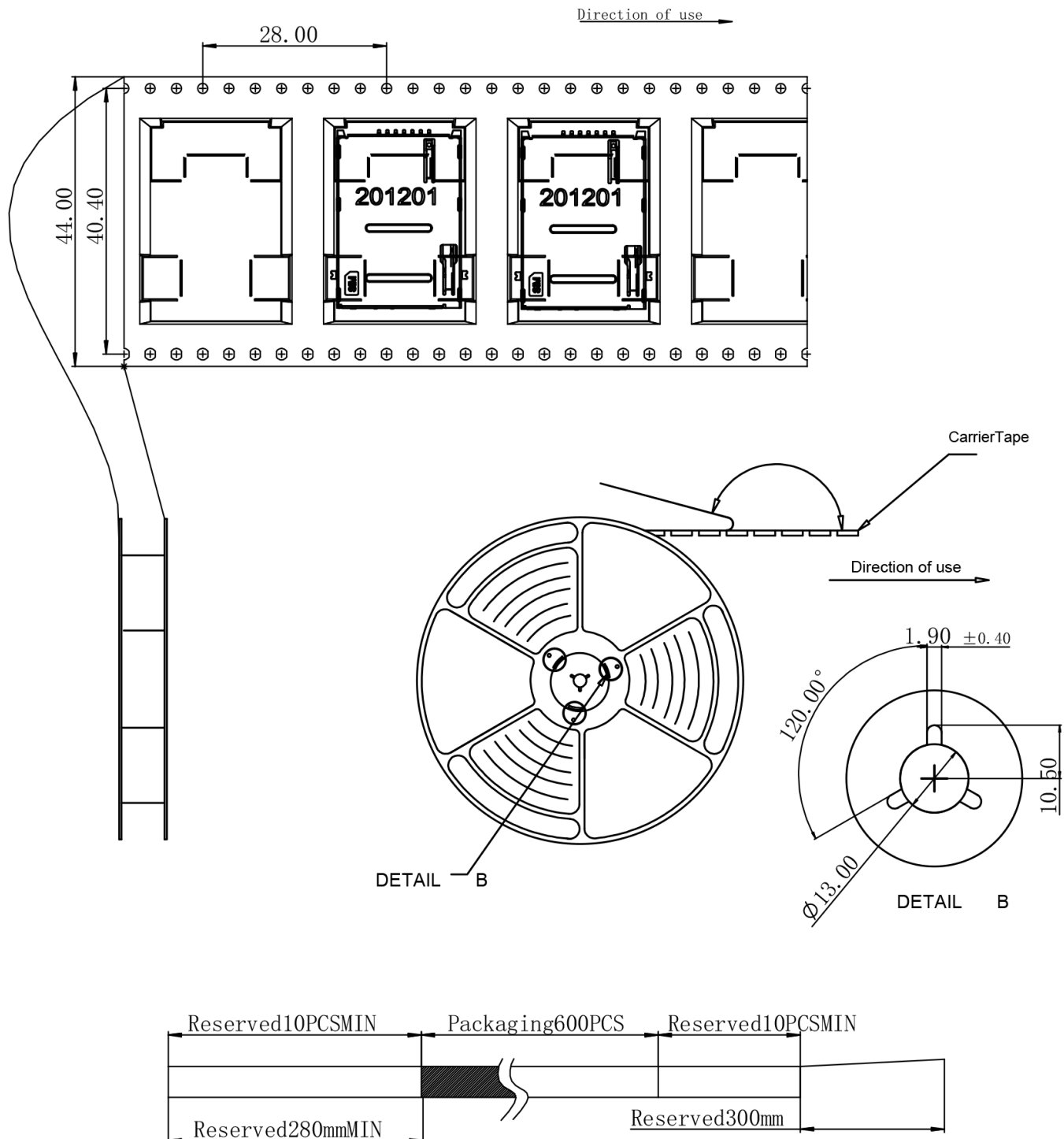
Top View

## PACKAGING

units: mm

Reel Size: Ø330 mm

Reel QTY: 600 pcs per reel



## REVISION HISTORY

rev.	description	date
1.0	initial release	10/23/2023

The revision history provided is for informational purposes only and is believed to be accurate.



CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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