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MODEL: SIM-3-A | DESCRIPTION: SIM CARD CONNECTOR

FEATURES

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



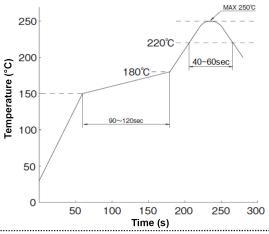
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage				30	V
rated current			-	0.5	А
contact resistance ¹				100	mΩ
insulation resistance	at 500 Vdc, between adjacent circuits	1,000			МΩ
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		-45		85	°C
flammability rating	UL94V-0				
RoHS	yes				

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

SOLDERABILITY

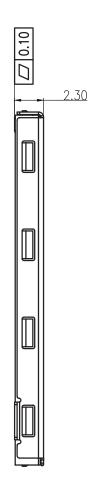
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity 40~70% reel opened: use within 1 month reel unopened: up to 15 month shelf life	16	22	28	°C
reflow soldering	see reflow profile			250	°C

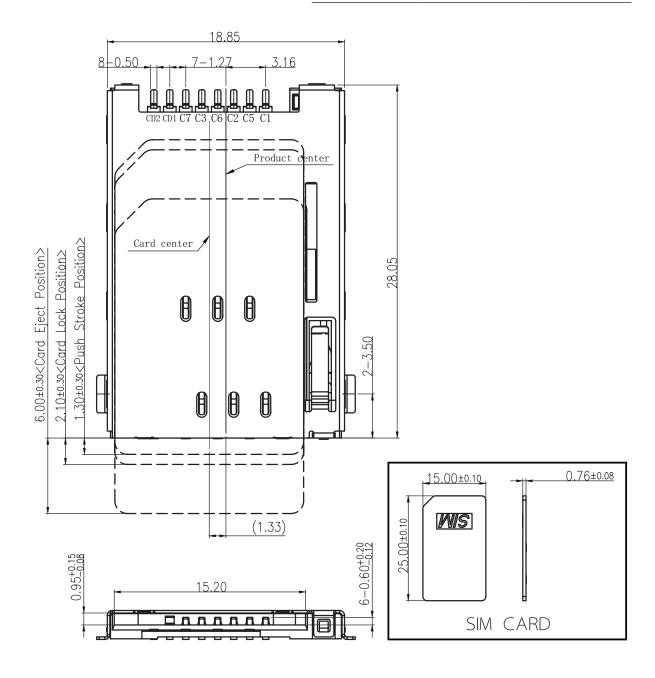


MECHANICAL DRAWING

units: mm tolerance: X.X ±0.30 mm X.XX ±0.20 mm X.XXX ±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: tin over nickel
	cover	SUS304 t=0.20 mm	solder area: gold flash over nickel





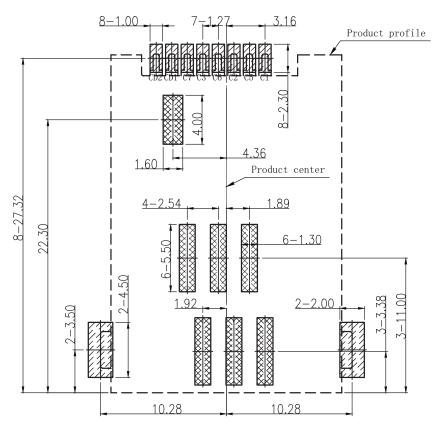
MECHANICAL DRAWING (CONTINUED)

units: mm

PCB tolerance: ±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	1/0	DATA LINE	
CD1	-	CARD DETECT SWITCH	
CD2	-	CARD DETECT SWITCH	

CARD STATUS				
WITHOUT CARD		CARD INSERTED		
CD1	_CD2 ○— ○	CD1 •—•	CD2 ──○	



SMT SOLDER AREA

COPPER RESTRICTED AREA

1. TOUCH AREA OF CONTACT

TIPS NO ELECTRICAL FUNCTION

2. NO FIRST PCB_LAYOUT

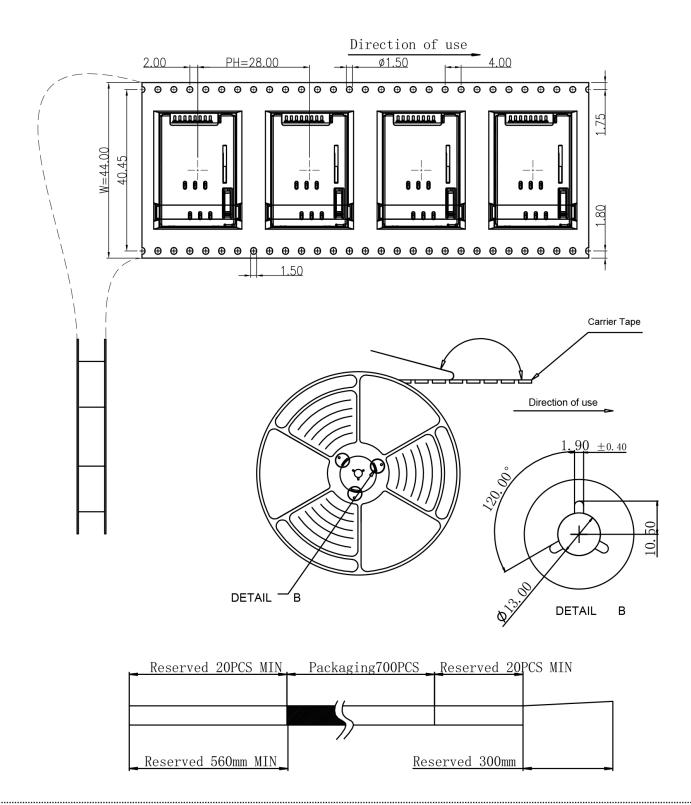
CIRCUITS IN THE AREA

Recommended PCB Layout Top View

PACKAGING

units: mm

Reel Size: Ø330 mm Reel QTY: 700 pcs per reel



Additional Resources: Product Page | PCB Footprint

CUI DEVICES | MODEL: SIM-3-A | DESCRIPTION: SIM CARD CONNECTOR

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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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