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## MODEL: SMRT-1-B | DESCRIPTION: SMART CARD CONNECTOR

#### **FEATURES**

- smart card card connector
- push in, pull out
- · card detect switch
- gold flash
- surface mount
- UL94V-0





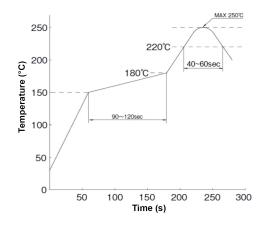
### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage				30	V
rated current				0.5	А
contact resistance <sup>1</sup>				100	mΩ
insulation resistance	at 500 Vdc, between adjacent circuits	1,000			МΩ
voltage withstand	for 1 minute, between adjacent circuits		100		Vac
life			10,000		cycles
operating temperature		-40		85	°C
flammability rating	UL94V-0				
RoHS	Ves				

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

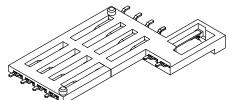
### **SOLDERABILITY**

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

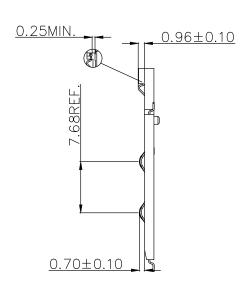


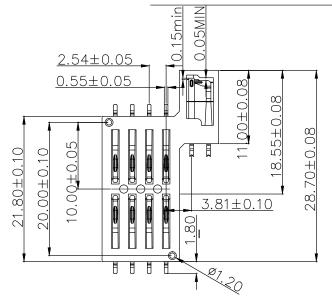
### **MECHANICAL DRAWING**

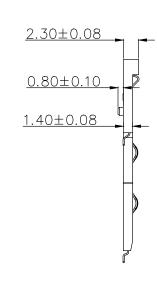


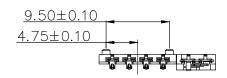


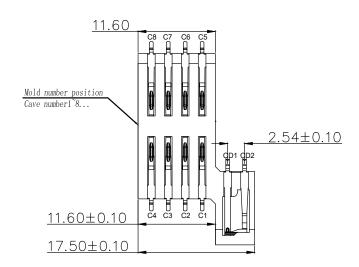
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	housing	LCP 30% GF (UL94V-0)	black
2	contact terminals	phosphor bronze t=0.20 mm	contact area: gold flash solder area: tin over nickel











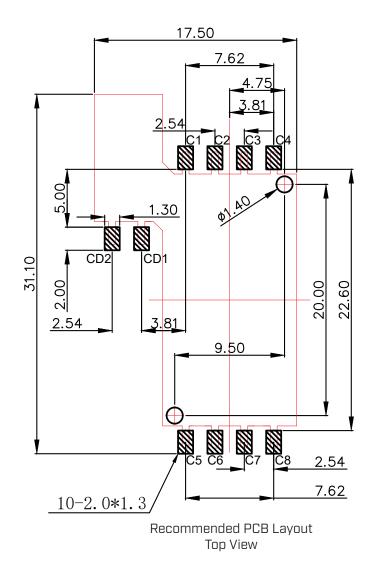
# **MECHANICAL DRAWING (CONTINUED)**

units: mm

PCB tolerance: ±0.05 mm

PIN CONNECTIONS			
PIN	SIGNAL NAME	DESCRIPTION	
C1	VCC	SUPPLY VOLTAGE	
C2	RST	RESETTING	
C3	CLK	CLOCK	
C4	-	Reserved	
C5	GND	GROUND	
C6	Vpp	PROGRAMMING VOLTAGE	
C7	1/0	DATA LINE	
C8	-	Reserved	
CD1	-	CARD DETECT SWITCH	
CD2	-	CARD DETECT SWITCH	

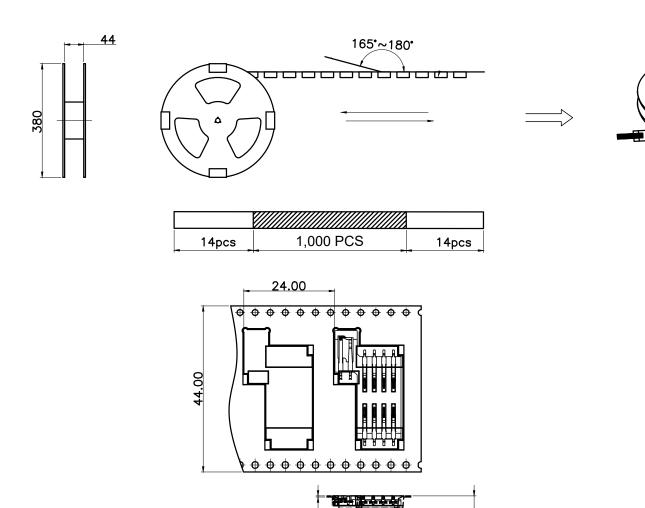
CARD STATUS			
WITHOUT CARD		CARD INSERTED	
CD1	_CD2	CD1	CD2 <b>—•</b> ••



## **PACKAGING**

units: mm

Reel Size: Ø380 mm Reel QTY: 1,000 pcs per reel



Additional Resources: Product Page

CUI DEVICES | MODEL: SMRT-1-B | DESCRIPTION: SMART CARD CONNECTOR

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### **REVISION HISTORY**

rev.	description	date
1.0	initial release	10/24/2023

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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