

# MODEL: SD-6-B | DESCRIPTION: SD CARD CONNECTOR

#### **FEATURES**

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





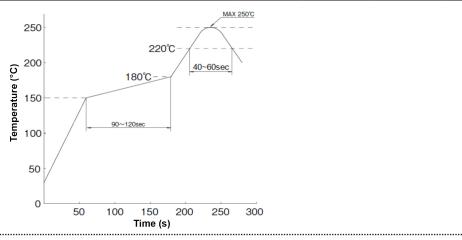
## **SPECIFICATIONS**

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			MΩ
voltage withstand	for 1 minute, between adjacent circuits		350		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			1,000		cycles
operating temperature		-40		85	°C
flammability rating	UL94V-0				
RoHS	yes				
Note: 1. When measured at 20 m	V / 100 mA.				

#### **SOLDERABILITY**

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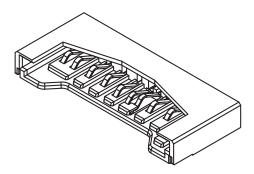
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity 40~70% reel opened: use within 1 month reel unopened: up to 15 month shelf life	16	22	28	°C
reflow soldering	see reflow profile			250	°C
	252	MAX 250°C			



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## **MECHANICAL DRAWING**

units: mm tolerance: X.X ±0.30 mm X.XX ±0.20 mm X.XXX ±0.10 mm unless otherwise specified

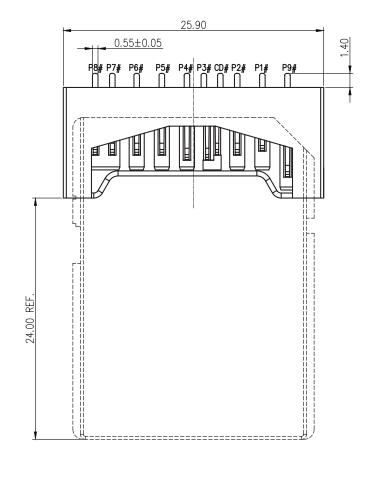


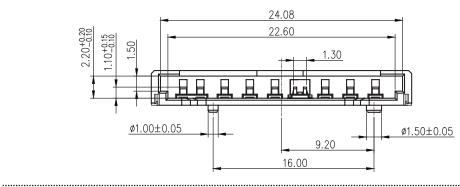
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	LCP 30% GF (UL94V-0)	black
contact terminals	phosphor bronze t=0.15 mm	contact area: gold flash over nickel solder area: tin over nickel

D 0.10

9.20 11.00

3.45





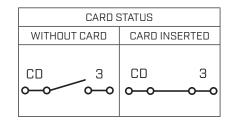
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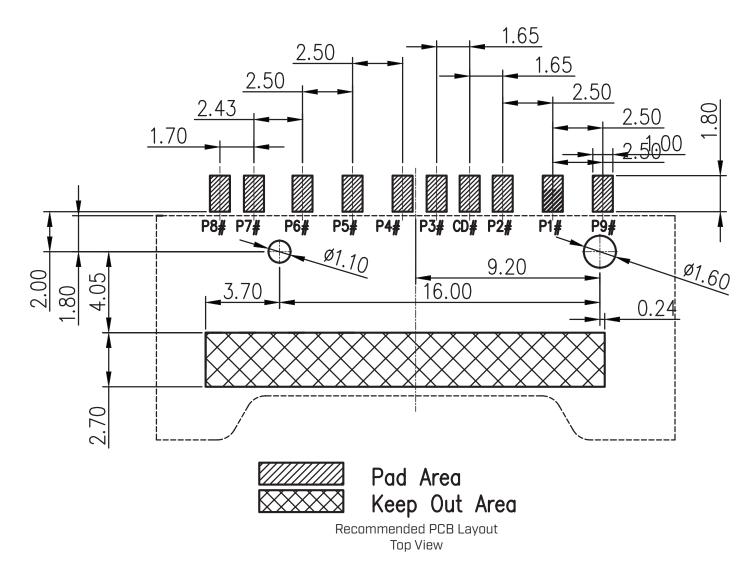
#### **MECHANICAL DRAWING (CONTINUED)**

units: mm PCB tolerance: ±0.05 mm

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PIN CONNECTIONS				
PIN	SIGNAL NAME	TYPE	DESCRIPTION	
1	CD/DAT3	I/O/PP	CARD DETECT/DATA LINE (BIT 3)	
2	CMD	PP	COMMAND/RESPONSE	
3	VSS1	S	SUPPLY VOLTAGE GROUND	
4	VDD	S	SUPPLY VOLTAGE	
5	CLK	I	CLOCK	
6	VSS2	S	SUPPLY VOLTAGE GROUND	
7	DATO	I/O/PP	DATA LINE (BIT O)	
8	DAT1	I/O/PP	DATA LINE (BIT 1)	
9	DAT2	I/O/PP	DATA LINE (BIT 2)	
CD	-	-	CARD DETECT SWITCH	

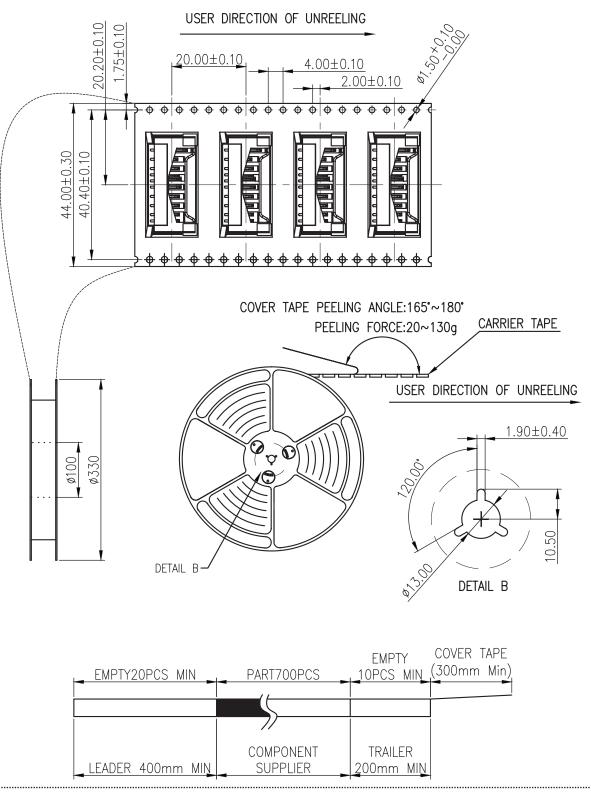




#### PACKAGING

units: mm

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



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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.



CUI Devices reserves the right to make changes to the product at any time without notice. Information provided by CUI Devices is believed to be accurate and reliable. However, no responsibility is assumed by CUI Devices for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

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