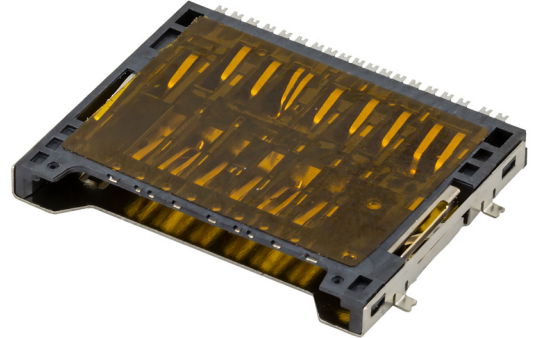


**MODEL:** SD4-7-B | **DESCRIPTION:** SD 4.0 CARD CONNECTOR**FEATURES**

- SD 4.0 card connector
- 18 pins
- push in / pull out
- surface mount
- 2.90 mm profile

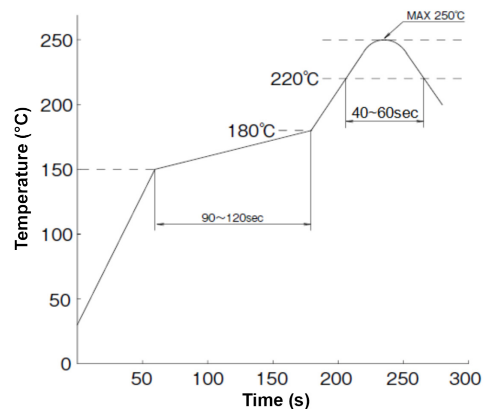
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage				5	V
rated current				0.5	A
contact resistance ¹				100	mΩ
insulation resistance	at 500 Vdc, between adjacent circuits	1,000			MΩ
voltage withstand	for 1 minute, between adjacent circuits		500		Vac
insertion force				40	N
withdrawal force		0.5		40	N
life			10,000		cycles
operating temperature		-25		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:

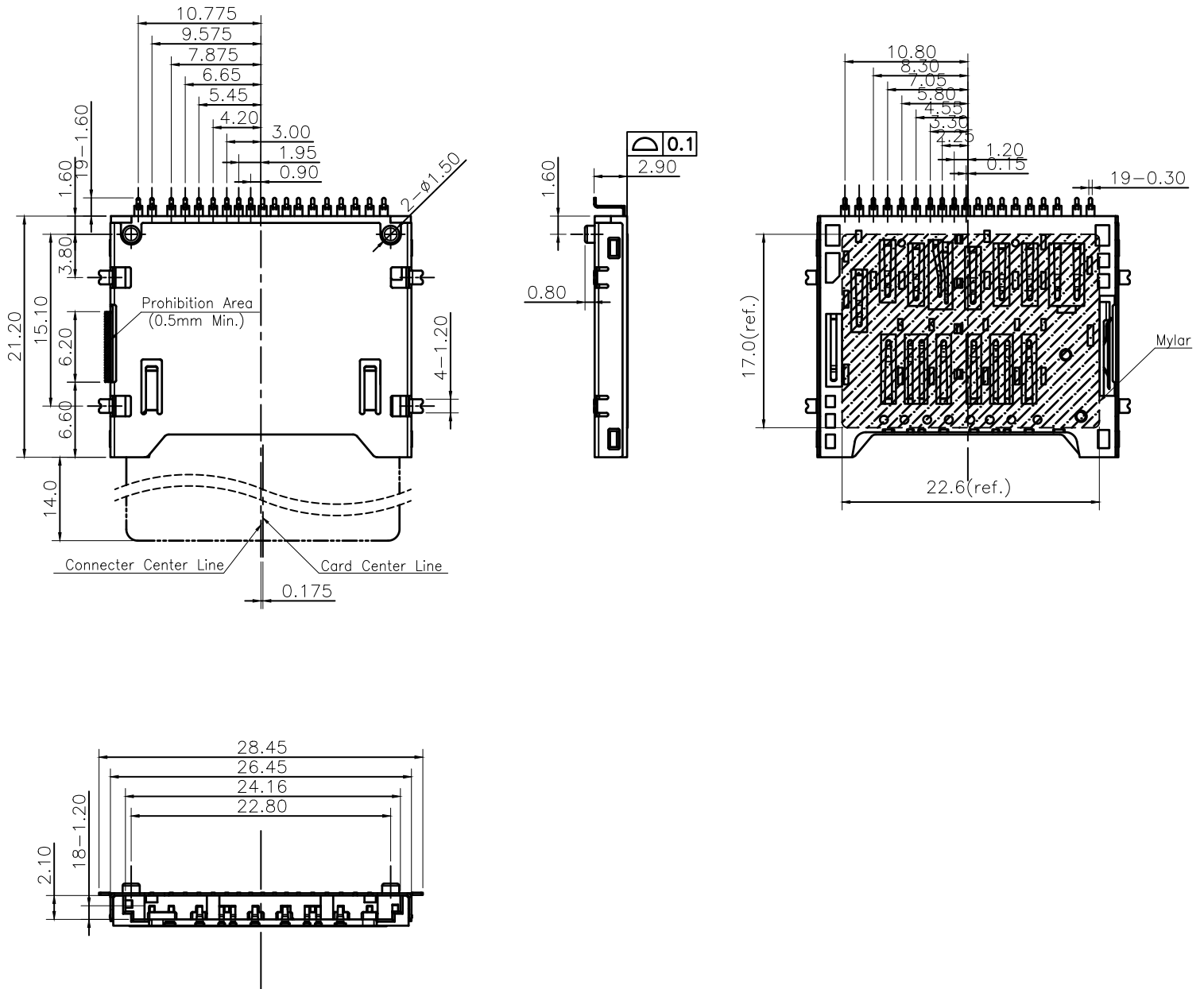
X.X ±0.35 mm

X.XX ±0.25 mm

X.XXX ±0.10 mm

unless otherwise specified

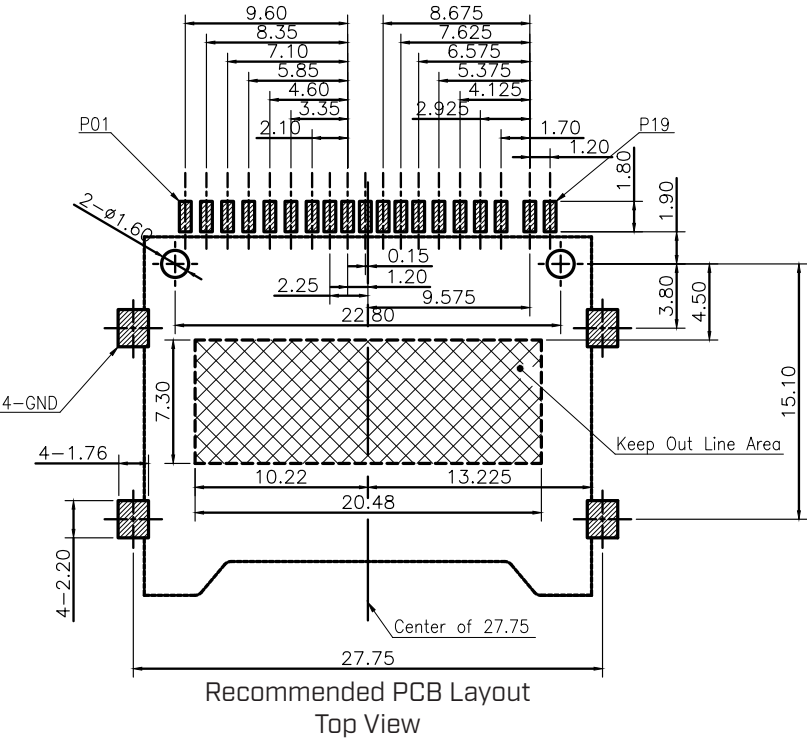
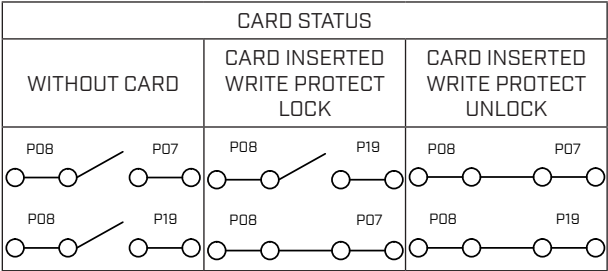
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	LCP (UL94V-0)	black
contact terminals	C5210	contact area: 1 μ " min gold over 50 μ " nickel solder area: 100 μ " min matte tin over 50 μ " nickel
cover	SUS304	50 μ " min nickel



MECHANICAL DRAWING (CONTINUED)

units: mm
PCB tolerance: ±0.05 mm

PIN CONNECTIONS		
CONNECTOR PIN#	SIGNAL NAME	DESCRIPTION
P01	VSS3	SUPPLY VOLTAGE GROUND
P02	DAT2	DATA LINE (BIT 2)
P03	DO+	DEFERENTIAL DATA 0+
P04	CD/DAT3	CARD DETECT/DATA LINE (BIT 3)
P05	DO-	DEFERENTIAL DATA 0-
P06	CMD	COMMAND/RESPONSE
P07	CD	CARD DETECT
P08	VSS1	SUPPLY VOLTAGE GROUND
P09	VSS4	SUPPLY VOLTAGE GROUND
P10	VDD2	SUPPLY VOLTAGE (1.8 V)
P11	VDD1	SUPPLY VOLTAGE (3.3 V)
P12	D1-	DEFERENTIAL DATA1-
P13	CLK	CLOCK
P14	D1+	DEFERENTIAL DATA 1+
P15	VSS2	SUPPLY VOLTAGE GROUND
P16	VSS5	SUPPLY VOLTAGE GROUND
P17	DAT0	DATA LINE (BIT 0)
P18	DAT1	DATA LINE (BIT 1)
P19	WP	WRITE PROTECT



units: mm

REVISION HISTORY

rev.	description	date
1.0	initial release	10/06/2026

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



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

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