

### Specifications

#### Material

Housing&Slider: LCP, UL94V-0, Black  
Terminal: Phosphor Bronze  
Shell: Stainless Steel  
Coil Spring: SWP  
Latch: Stainless Steel

#### Plating

Terminal:  
Contact Area: Gold Flash  
Soldering Area: 100µ" min. Tin  
Under-plating: 50µ" Min. Nickel All Over  
Metallic Shell :  
Soldering Area : Gold Flash  
Under-plating : 50µ" Min. Nickel All Over  
Coil Spring&Latch: Clear

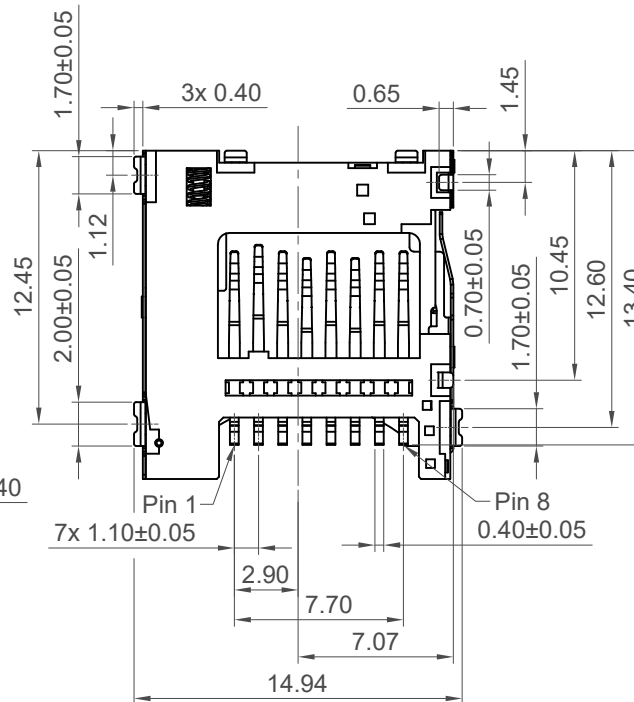
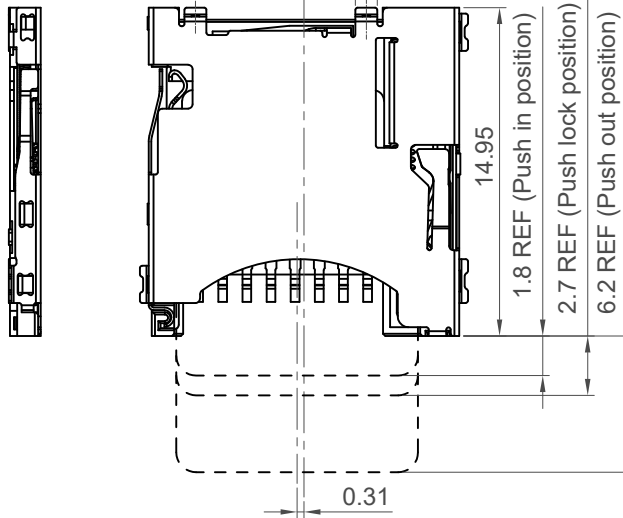
#### Electrical

Voltage Rating: 5V AC/DC  
Current Rating: 0.5A AC/DC max.  
Contact Resistance: 100mΩ max.  
Insulating Resistance: 1000MΩ min. at 500V DC  
Dielectric Withstand Voltage: 500V AC


#### Mechanical & Environmental


Durability: 10000 Cycles  
Operating Temperature: -40°C to +85°C

7.78±0.05  
4.94±0.05  
2x 1.00±0.05



### Card Detect Switch Circuit:




Switch  Ground  
Without Card  
(Normally open)

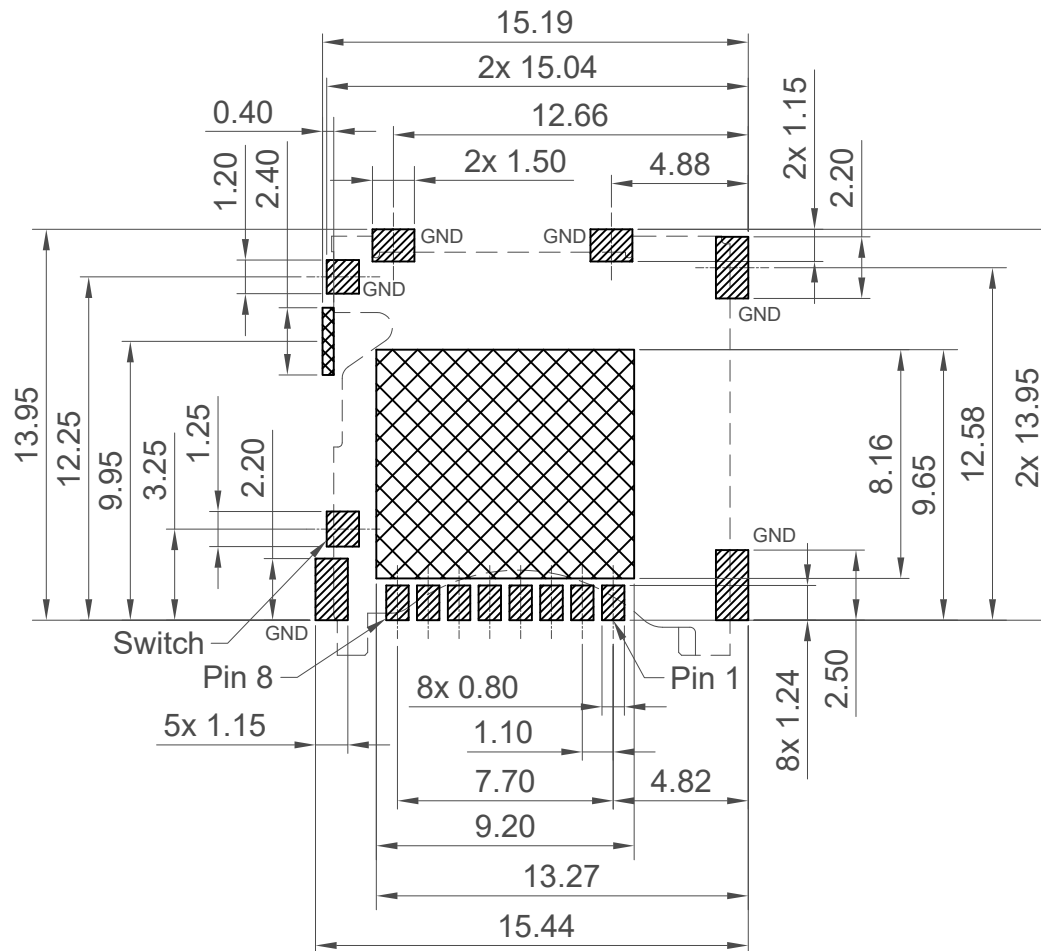
Switch  Ground  
Card Inserted

### Ordering Grid

MEM2090-00-145-00-A  
Switch 00 = Normally Open  
Locating Post 00 = Without  
Packing Options A = Tape & Reel (1500 per Reel)

Request Samples  
and Quotation

Part Number		Product Description	
MEM2090		Micro SD Memory Card Connector	
Drawing Date		Push-Push, SMT, 1.45mm Profile	
19th December 2023			
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A	Angle	
Date	19/12/23	X.X ±0.30 X.XX ±0.20 X.XXX ±0.05	±2° 
			
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		Not to Scale	Sheet No. 1/3



### Recommended PCB Layout

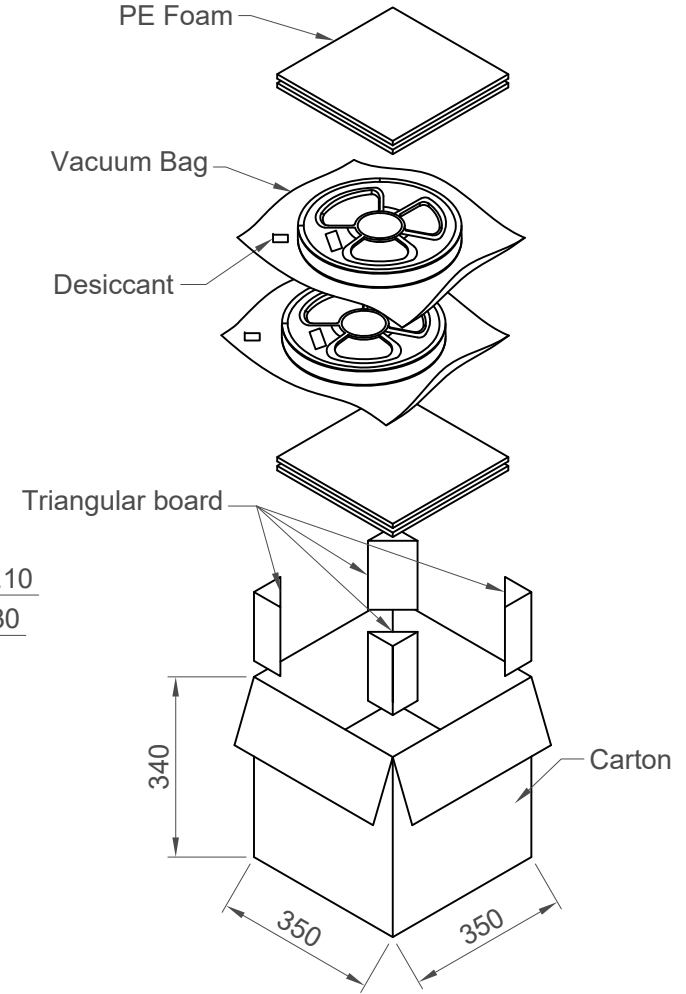
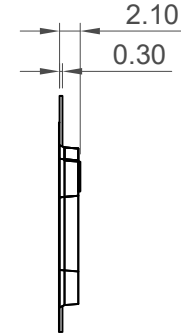
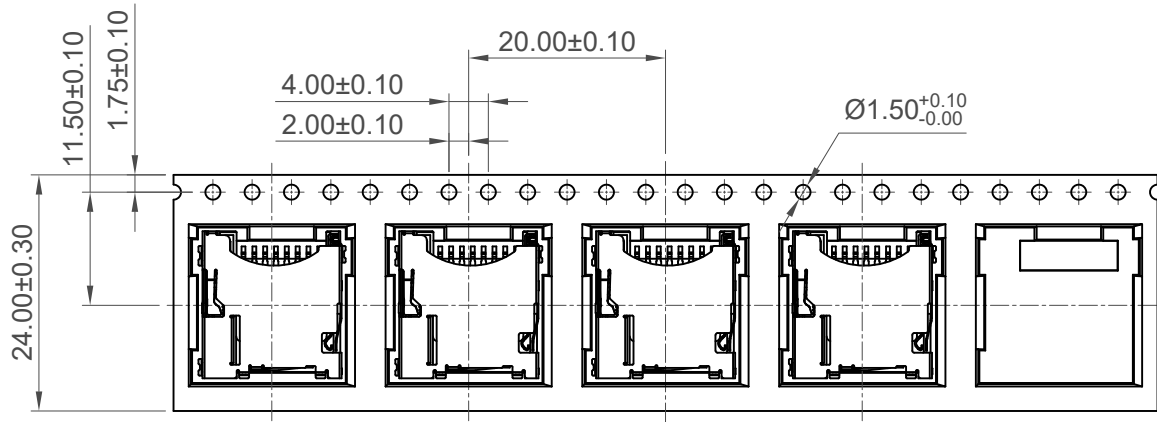
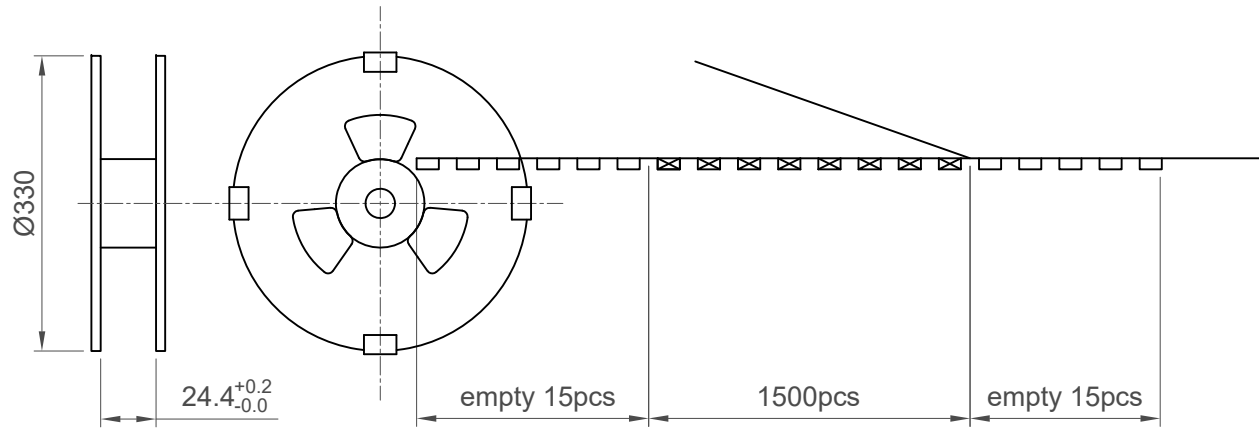
As viewed from component side General Tolerance:  $\pm 0.05$

Solder Area   
 Solder Keep Out Area   
 Component Outline

Pin Assignment		
Pin	Name	Description
P1	DAT2	Data Bit 2
P2	CD/DAT3	Card Detect/Data Bit 3
P3	CMD	Command Line
P4	V <sub>DD</sub>	Supply Voltage
P5	CLK	Clock
P6	V <sub>SS</sub>	Ground
P7	DAT0	Data Bit 0
P8	DAT1	Data Bit 1

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Detail	Drawing Release	Length	Metric (mm)
Revision	A	Angle	
Date	19/12/23	X.X $\pm 0.30$ X.XX $\pm 0.20$ X.XXX $\pm 0.05$	$\pm 2^\circ$
		3rd Angle Projection	
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Pcs/Reel	Reels/Carton	Pcs/Carton
1500	10	15000

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19th December 2023			
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length	Metric (mm)
Revision	A	Angle	
Date	18/12/23		

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