

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

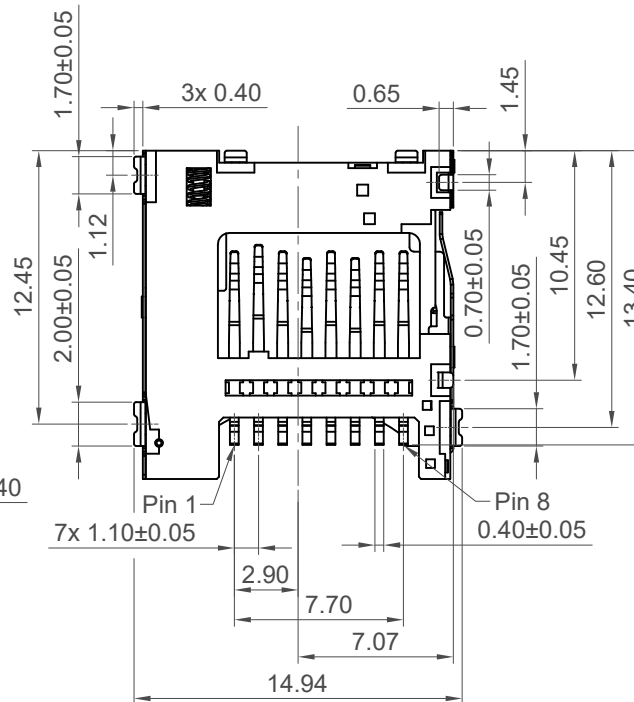
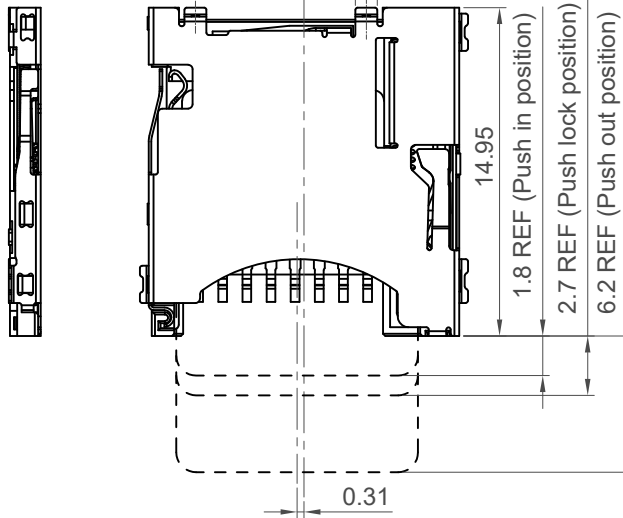
Electrical

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

Request Samples
and Quotation

Switch



00 = Normally Open

Locating Post

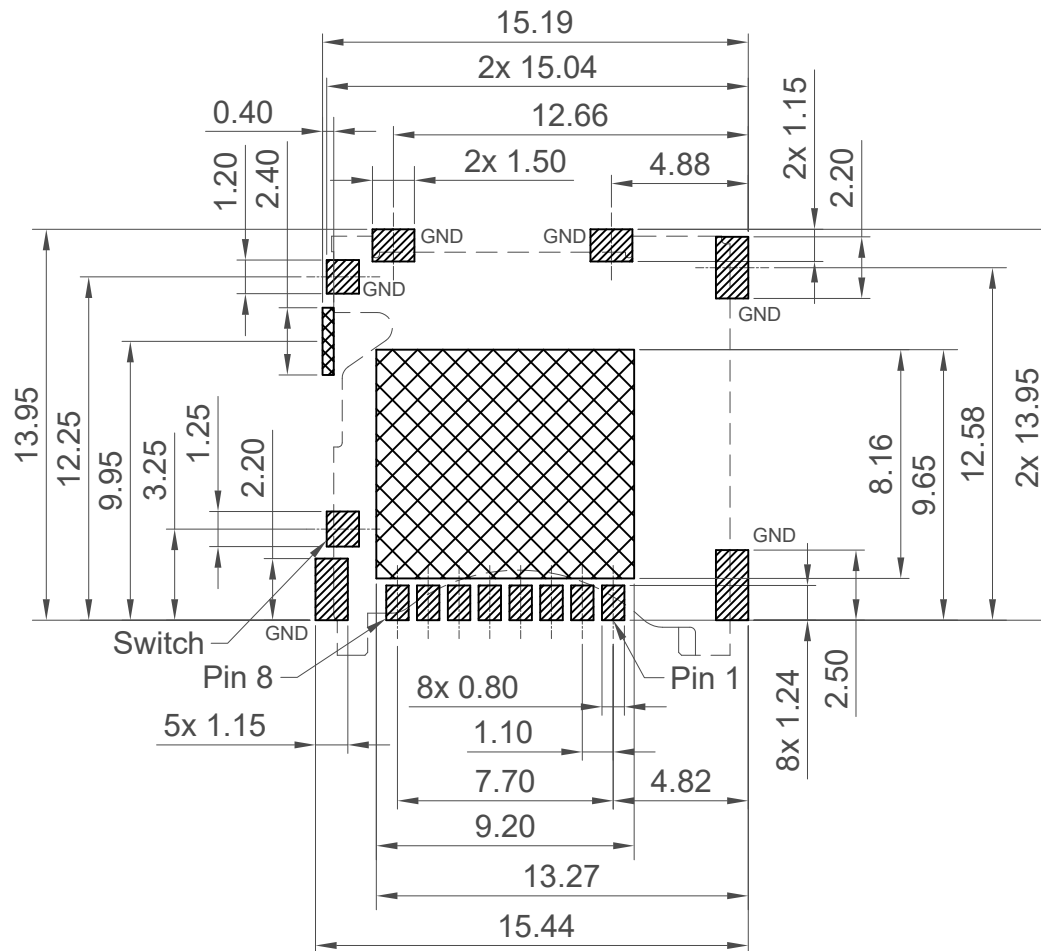
00 = Without

Packing Options

A = Tape & Reel (1500 per Reel)


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°
		3rd Angle Projection	
			
		This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE	
		Not to Scale	Sheet No. 1/3

GCT
www.gct.co





Recommended PCB Layout

As viewed from component side General Tolerance: ± 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 _{DD}	Supply Voltage
P5	CLK	Clock
P6	V _{SS}	Ground
P7	DAT0	Data Bit 0
P8	DAT1	Data Bit 1

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	$\pm 2^\circ$
		3rd Angle Projection	
			
		This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE	
Not to Scale		Drawn By	Sheet No.
		CC	2/3

GCT
www.gct.co

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Global Connector Technology \(GCT\):](#)

[MEM2090-00-145-00-A](#)