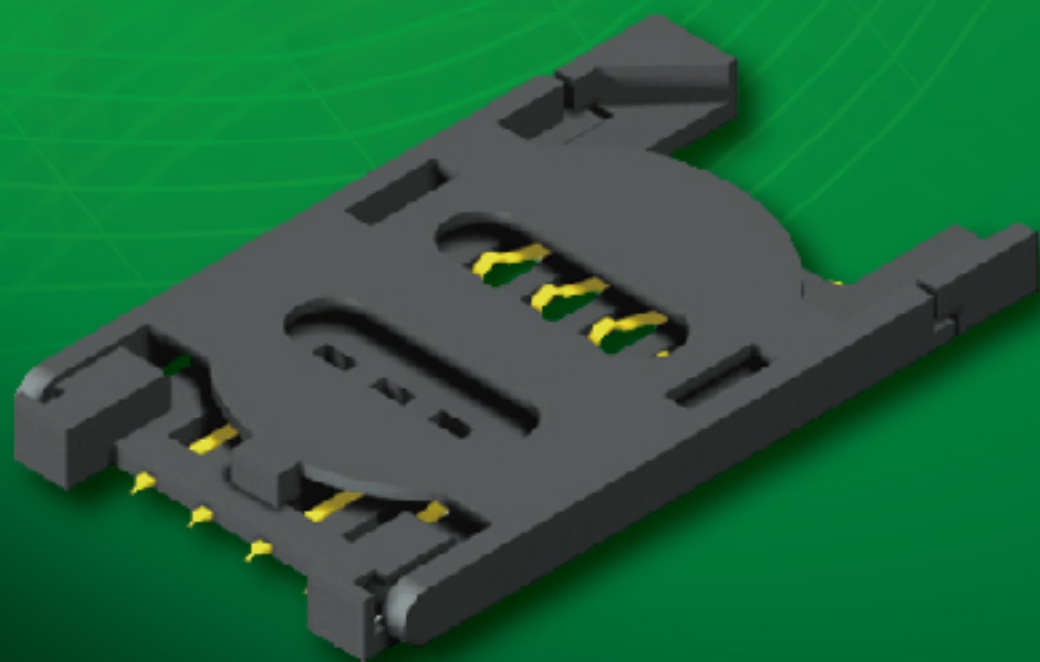


I / O Connectors

5-68~5-75 • Card Connectors



AMTEK Technology Co., Ltd

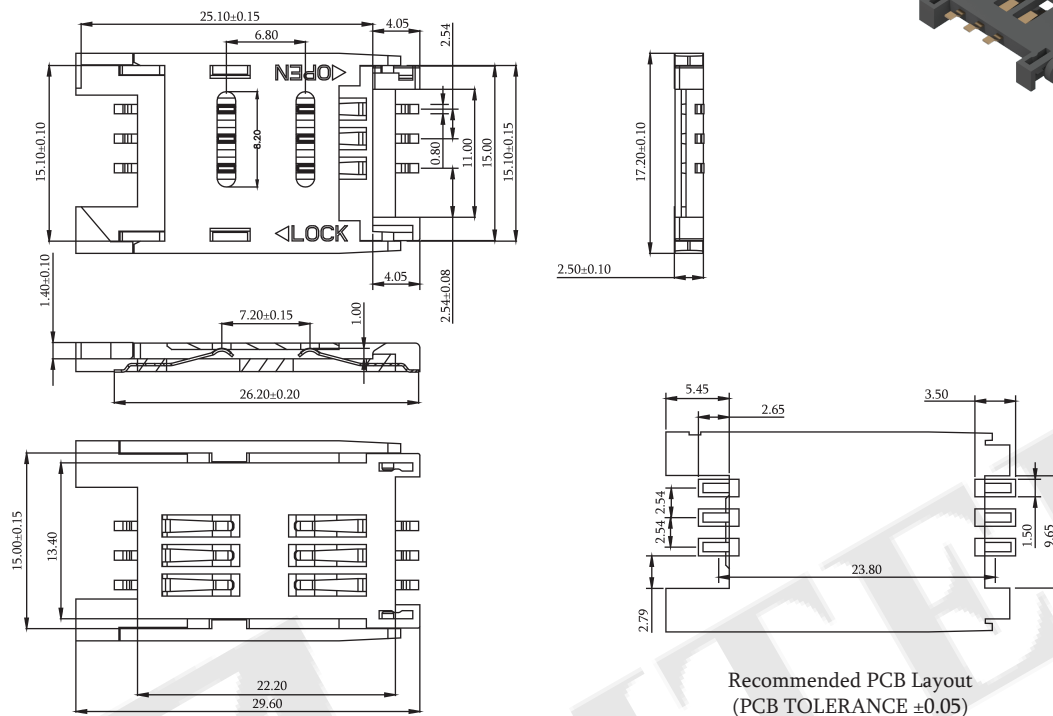
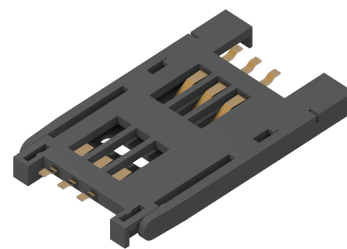
Sim Card Holder Hinge Type 06P H=2.5

Specifications

Current Rating: 0.5 AMP
Insulation Resistance: 500MΩ Min.
Contact Resistance: 50mΩ Max.
Dielectric Voltage: 250V AC for one minute
Operation Temperature: -40°C to +105°C

Material

Insulator: LCP, UL 94V-0, Black
Contact: Phosphor Bronze



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5KSIG-06S0NHL01

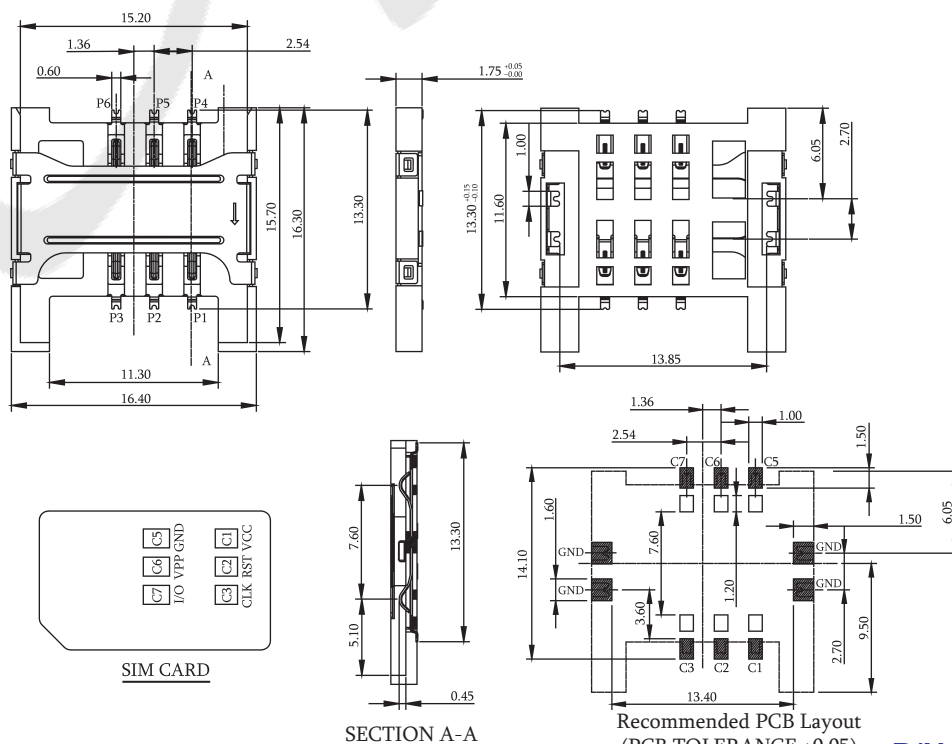
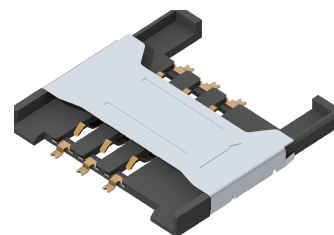
Sim Card Holder Push-Pull Type 06P H=1.75

Specifications

Current Rating: 1.0 AMP
Voltage Rating: 30V
Insulation Resistance: 100MΩ Min.
Contact Resistance: 50mΩ Max.
Dielectric Voltage: 100V AC for one minute
Operation Temperature: -30°C to +80°C

Material

Insulator: Hi-Temp Thermoplastic, UL 94V-0, Black
Contact: Copper Alloy
Shell: Stainless Steel



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5KSIS-06S0NHL01

Part No.	Description
P1#	C1:VCC
P2#	C2:RST
P3#	C3:CLK
P4#	C5:GND
P5#	C6:VPP
P6#	C7:I/O

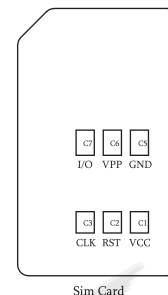
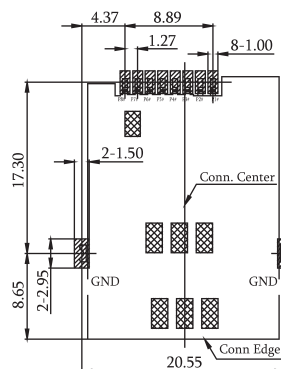
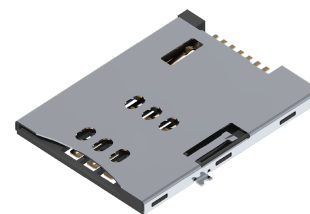
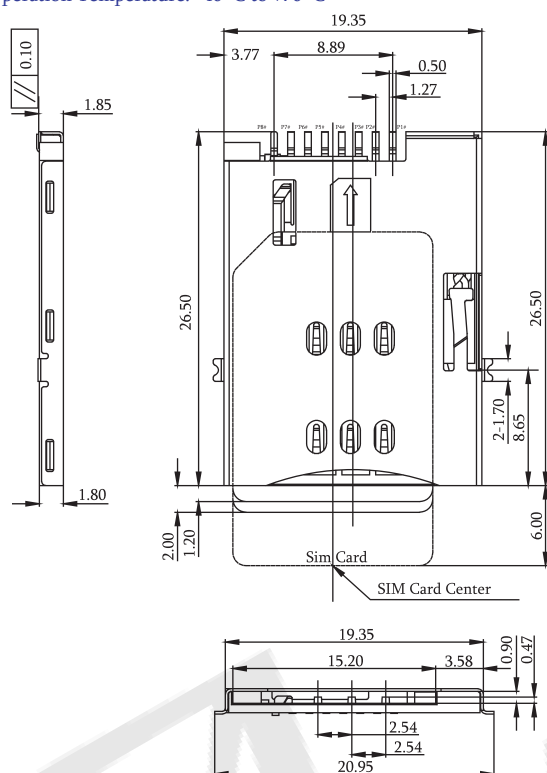
Sim Card Holder Push-Push Type 06+02P H=1.8

Specifications

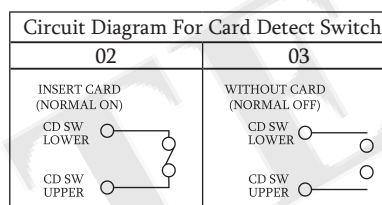
Current Rating: 0.5 AMP
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 100mΩ Max.
Dielectric Voltage: 125V AC for one minute
Operation Temperature: -40°C to +70°C

Material

Insulator: LCP, UL 94V-0
Contact: Copper Alloy
Shell: Stainless Steel



Recommended PCB Layout
(PCB TOLERANCE ±0.05)



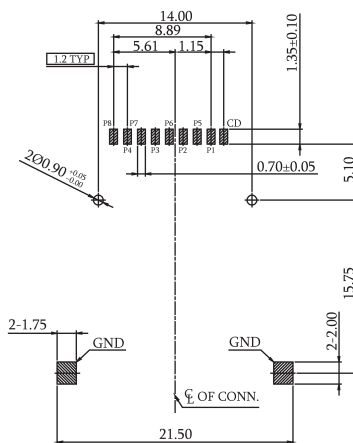
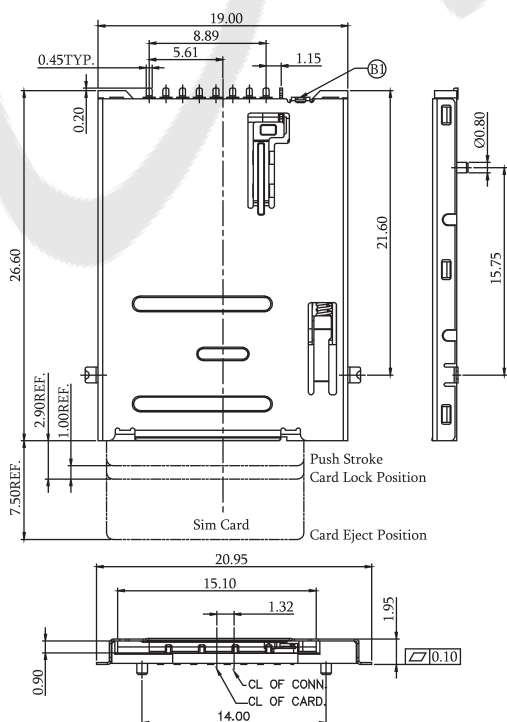
Part No.	Description
P1#	C1:VCC
P2#	C5:GND
P3#	C2:RST
P4#	C6:VPP
P5#	C3:CLK
P6#	C7:I/O
P7#	POL
P8#	DET

P/N.:5KSIP-08G0NHL01

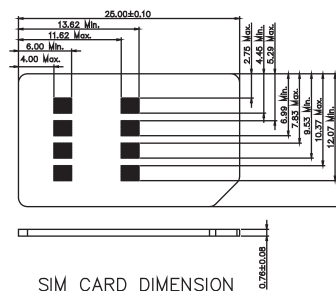
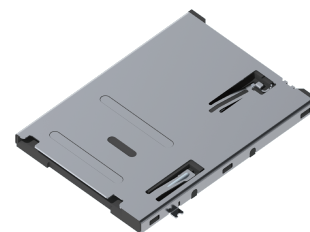
Sim Card Holder Push-Push Type 08P H=1.95

Specifications

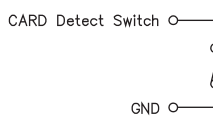
Current Rating: 0.5AMP
Insulation Resistance: 100MΩ Min at 500V DC.
Contact Resistance: 100mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation temperature: -40°C ~ +85°C
Mating Cycles: 5000 cycles(speed: 400~600 cycles/h)



Recommended PCB Layout
(PCB TOLERANCE ±0.05)



SIM CARD DIMENSION



Normal....SHORT
Inserting Card....OPEN

Connector Terminal NO.	Part No.
Pin1	VCC: RWR Signal and GND
Pin2	RST: Reset signal
Pin3	CLK: Clocking signal
Pin4	Reserved
Pin5	GND: RWR Signal and GND
Pin6	VPP: Programming Voltage
Pin7	I/O: Serial data input/output
Pin8	Reserved

P/N.:5KSIP-08S0PHE01

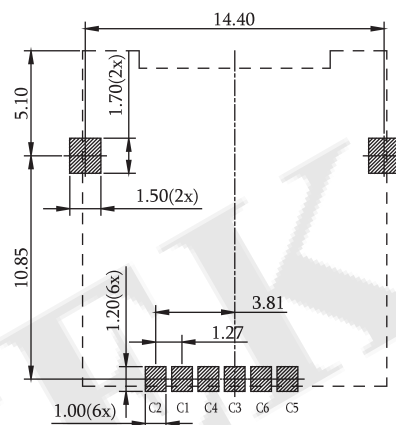
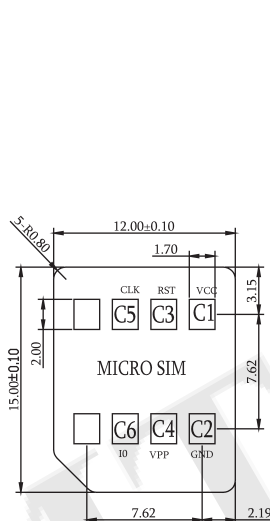
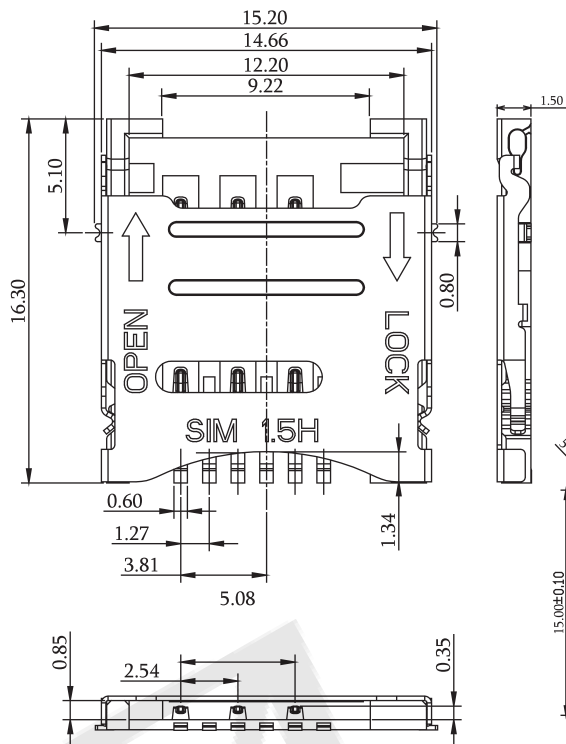
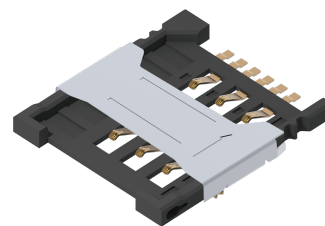
Micro Sim Card Holder Hinge Type 06P With Holder H=1.5

Specifications

Current Rating: 1 AMP
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 100mΩ Max.
Dielectric Voltage: 250V AC for one minute
Operation Temperature: -30°C to +80°C

Material

Insulator: LCP, UL 94V-0
Contact: Copper Alloy
Shell: Stainless Steel



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5KMSG-06S0NHL01

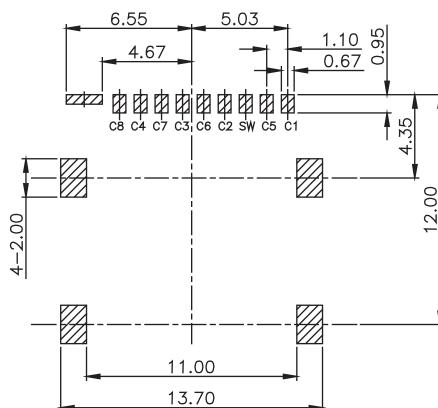
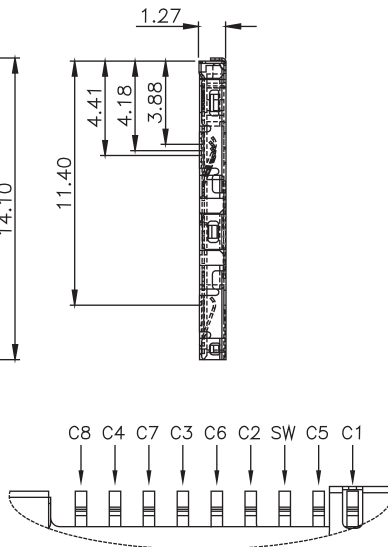
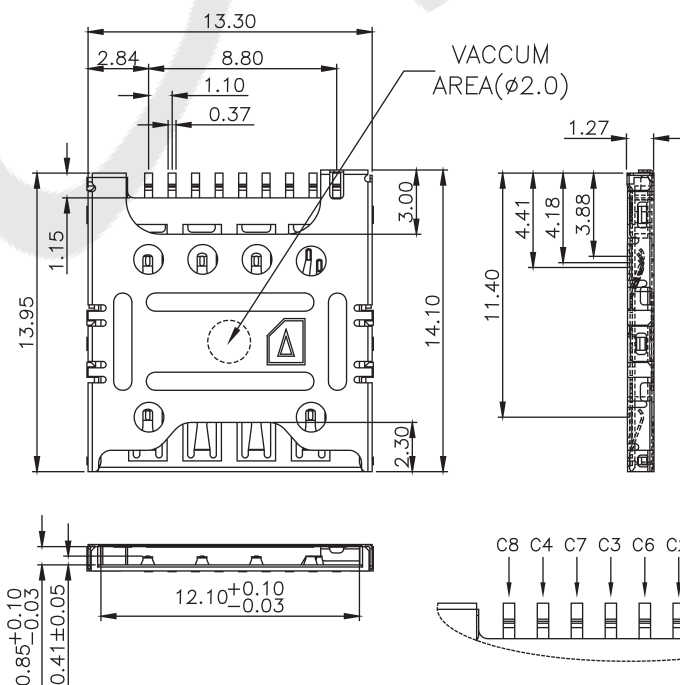
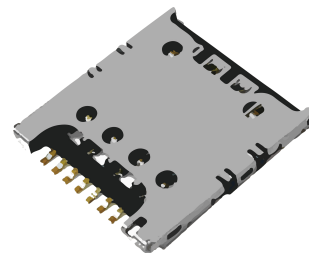
Micro Sim Card Holder Push-Pull Type 08P H=1.27

Specifications

Current Rating: 0.5 AMP
Insulation Resistance: 500MΩ Min.
Contact Resistance: 30mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -40°C to +85°C

Material

Insulator: Hi-Temp. Plastic, UL 94V-0, Black
Contact Pin: Copper Alloy



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5KMSS-08G0NHB03

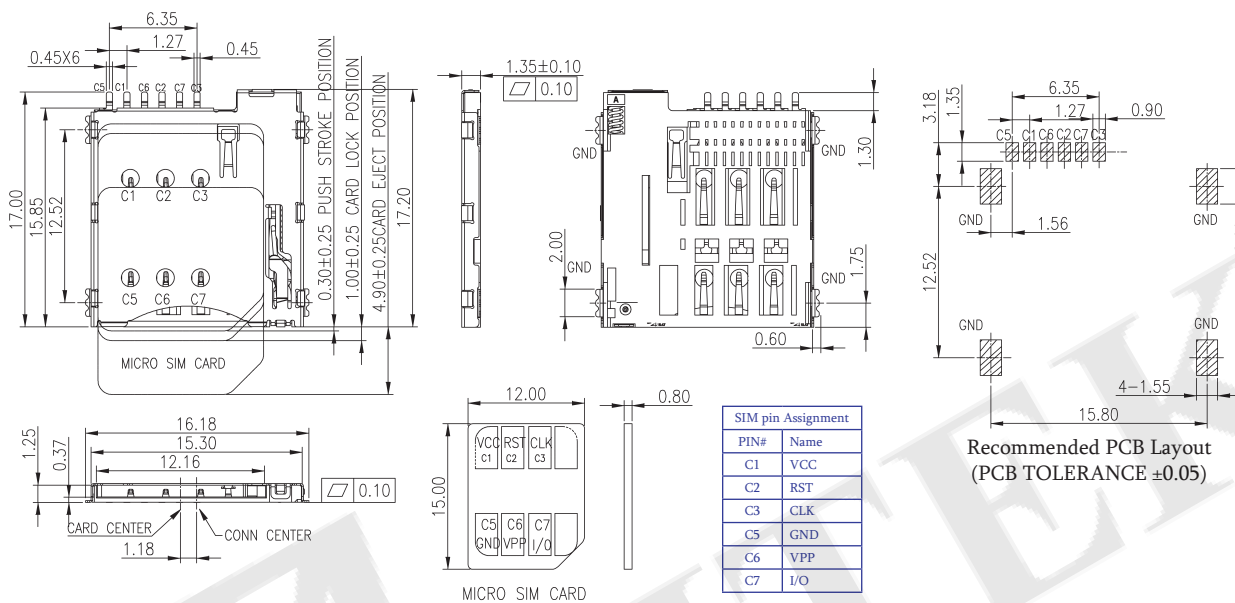
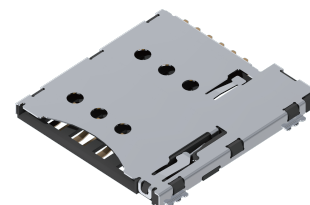
Micro Sim Card Holder Push-Push Type 06P H=1.35

Specifications

Current Rating: 0.5 AMP
Voltage Rating : 50V DC Max.
Insulation Resistance: 1000MΩ Min.
Contact Resistance: 100mΩ Max.
Dielectric Voltage: 500V AC for one minute
Mating Cycles: 5000 Insertions
Ambient Temperature Range: -20°C to +85°C
Storage Temperature Range: -40°C to +70°C

Material

Housing: Hi-Temp Temperature, UL94V-0, Black
Terminal: Copper Alloy
Shell: Stainless Steel



P/N.:5KMSP-06G0NHL02

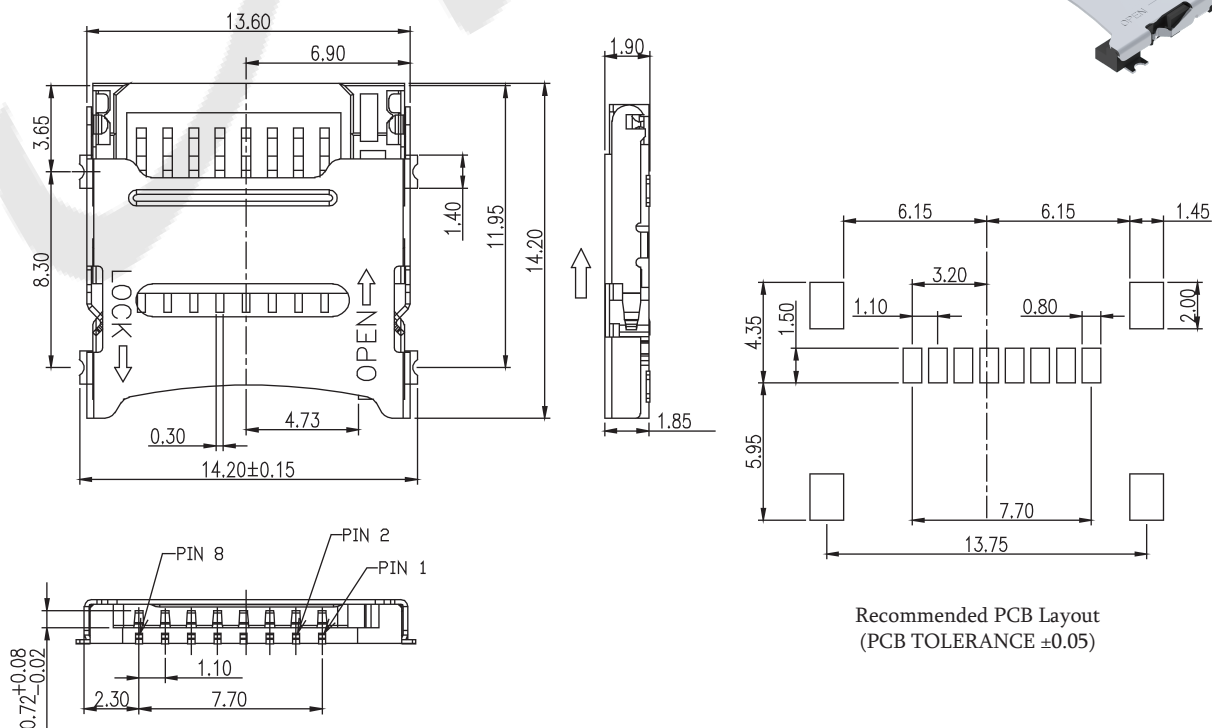
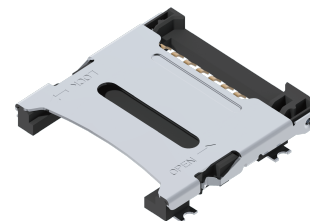
TF Card Holder Hinge Type 08P H=1.9

Specifications

Current Rating: 0.5 AMP
Insulation Resistance: 500MΩ Min.
Contact Resistance: 100mΩ Max.
Dielectric Voltage: 500V AC for one minute
Operation Temperature: -40°C to +85°C

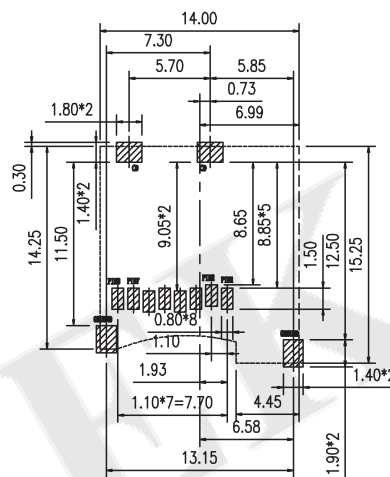
Material

Insulator: Hi-Temp Thermoplastic, UL 94V-0, Black
Contact: Copper Alloy
Shell: Stainless Steel



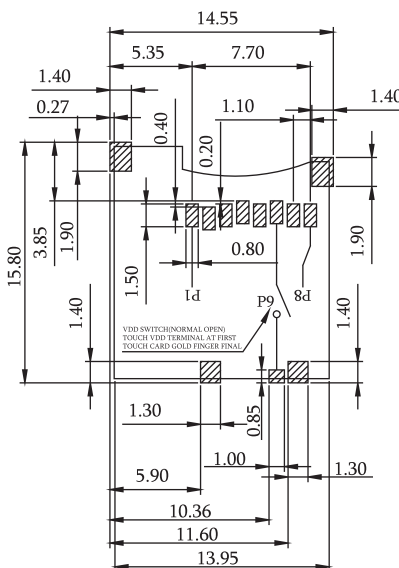
Recommended PCB Layout
(PCB TOLERANCE ±0.05)

P/N.:5KTFG-08S0NHL01



Recommended PCB Layout
(PCB TOLERANCE ± 0.05)

P/N.:5KTFP-10S0NHL04



CIRCUIT:	
CD GROUND	CD GROUND
	
WITHOUT CARD	CARD INSERTED

Pin No.		MICRO SE
Pin1	DAT2	1P
Pin2	CD/DAT3	2P
Pin3	CMD	3P
Pin4	VDD	4P
Pin5	CLK	5P
Pin6	VSS	6P
Pin7	DAT0	7P
Pin8	DAT1	8P
Pin9	CARD DETECT	

P/N.:5KTFP-08S0NHL02

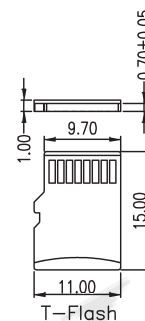
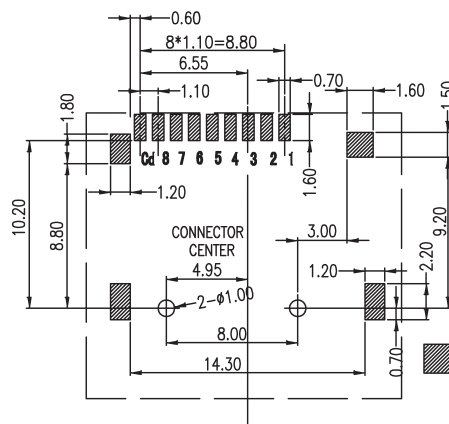
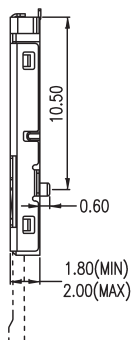
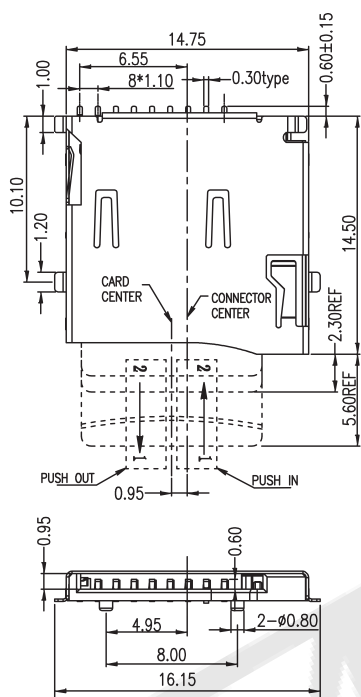
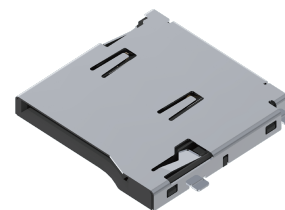
TF Card Holder Push-Push Type 08+01P H=2.0

Specifications

Current Rating: 0.5 AMP
Insulation Resistance: 500MΩ Min.
Contact Resistance: 100mΩ Max.
Dielectric Voltage: 500V AC for one minute
Mating Cycles: 5000 Insertions
Operation Condition: Temperature : -25°C to +85°C

Material

Housing: Hi-Temp Temperature, UL94V-0, Black
Terminal: Copper Alloy
Shell: Stainless steel
Spring: SWP



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

Pin No.	Name	YTPE	Description
1	DAT2	I/O/PP	Date Line (BIT2)
2	CD/DAT3	I/O/PP	Card Detect Date Lin (BIT3)
3	CMD	PP	Command Response
4	VDD	S	Supply Voltage
5	CLX	I	Clock
6	VSS	S	Supply Voltage Ground
7	DAT0	I/O/PP	Date Line (BIT0)
8	DAT1	I/O/PP	Date Line (BIT1)

P/N.:5KTFP-09S0PHL01

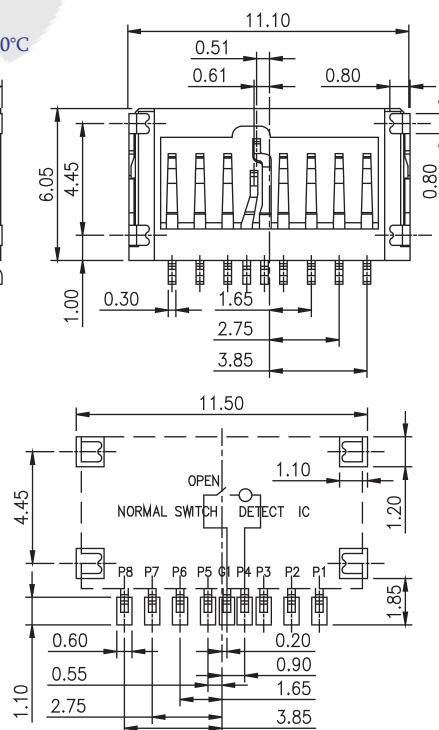
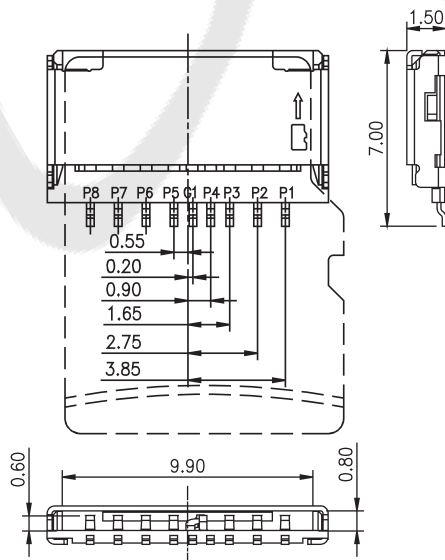
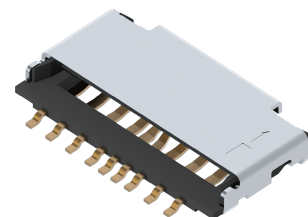
TF Card Holder Short Body Type 08+01P H=1.5

Specifications

Current Rating: 0.5 AMP
Rating Voltage: 30V AC
Insulation Resistance: 100MΩ Min.
Contact Resistance: 50mΩ Max.
Dielectric Voltage: 100V AC for one minute
Mating Cycles: 5000 Insertions
Operation Condition: Temperature : -30°C to +80°C

Material

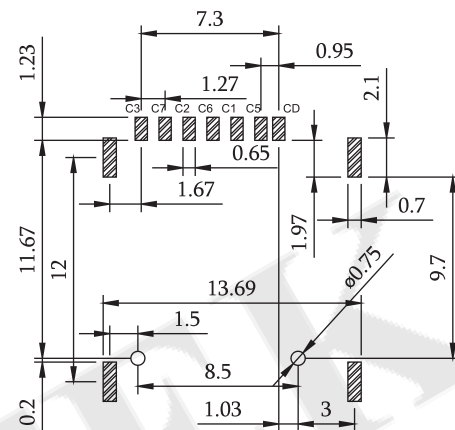
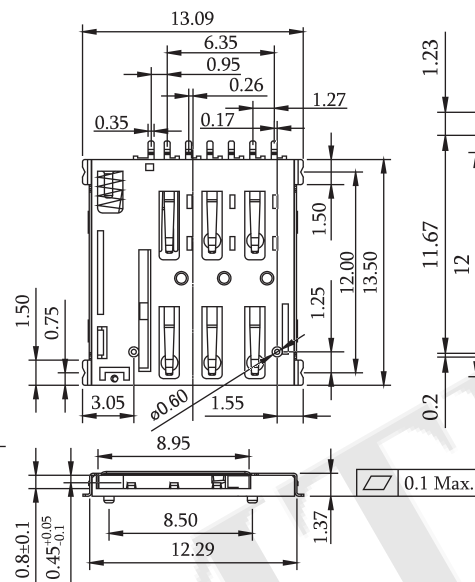
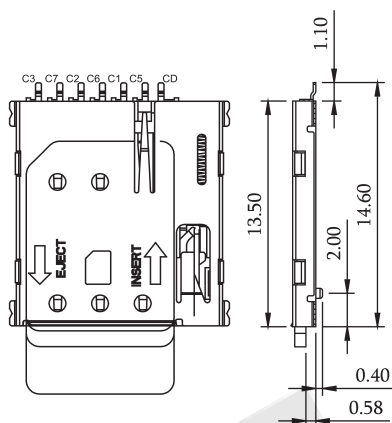
Housing: Hi-Temp Temperature, UL94V-0, Black
Terminal: Copper Alloy
Shell: Stainless steel



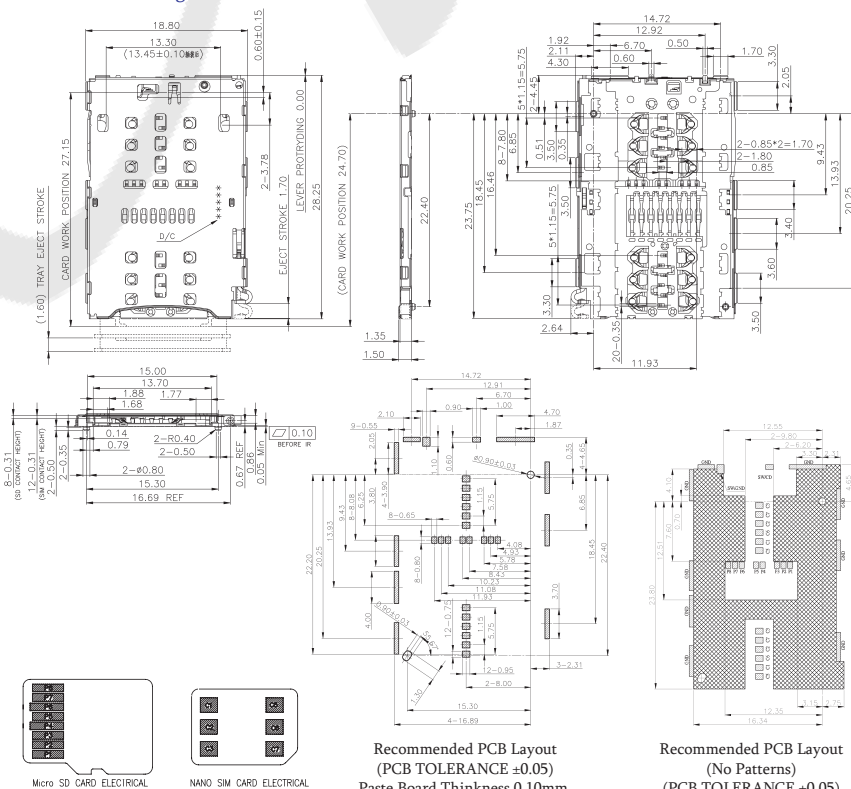
Recommended PCB Layout
(PCB TOLERANCE ±0.05)

Pin No.	Description
P1	DAT2
P2	CD/DAT3
P3	CMD
P4	VDD
P5	CLK
P6	VSS
P7	DAT0
P8	DAT1
G1	Switch

P/N.:5KTFS-09G0NHL01



P/N.:5KNSP-07S0PHE01



Connector/Card Pin Assignment			
ITEM	Function	ITEM	Function
Micro SD Card		NANO SIM Cae d	
P1	DAT2 OF MSD	C1	VCC OF SIM
P2	CD/DAT3 OF MSD	C2	RST OF SIM
P3	CMD OF MSD	C3	CLK OF SIM
P4	VDD OF MSD	C5	GND OF SIM
P5	CLK OF MSD	C6	VPP OF SIM
P6	VSS OF MSD	C7	DATE OF SIM
P7	DAT0 OF MSD		
P8	DAT1 OF MSD		
Card Pin Assignment			
SW	Tray Detection SW		
S	Shell GND		

P/N.:5KNFS-20G0PHE01