

## INTRODUCTION:

Adam Tech's Memory Connector series is a complete range of memory sockets for most memory card applications including Compact Flash, PCMCIA, Memory Stick and Secure Digital. Our advanced designs are focused on their ease of use, mating accuracy, card retention and cycle life. Precision engineered, extremely durable mating contacts and PCB leads contribute to a solid, high reliability, long life design.

## FEATURES:

Multitude of sockets to satisfy most applications  
Precision, compact designs  
Fine pitched, heavy duty contacts  
Sockets conform to CFA, JEIDA, PCMCIA & JEDEC

## MATING OPTIONS:

All industry standard memory cards

## SPECIFICATIONS:

### Material:

Insulator: PA9 or LCP, glass reinforced, rated UL94V-0  
Contacts: Phosphor Bronze  
Frame / shield: Brass, nickel plated

### Contact Plating:

Gold over nickel underplate on contact area, tin over copper underplate on tails.

### Electrical:

Operation voltage: 250V AC max.  
Current rating: 0.5 and 1 Amps max.  
Contact resistance: 40 mΩ max. initial  
Insulation resistance: 1000 MΩ min.  
Dielectric withstanding voltage: 1000V AC for 1 minute

### Mechanical:

Mating durability: 10,000 cycles min.

### Temperature Rating:

Operating temperature: -20°C to +85°C

## PACKAGING:

Anti-ESD plastic trays

## SAFETY AGENCY APPROVALS:

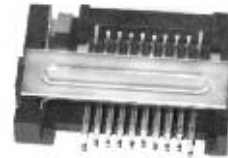
UL Recognized & CSA Certified, File no. E224053



# MEMORY SOCKETS

MEMORY STICK, SMART MEDIA,  
COMPACT FLASH  
SECURE DIGITAL & PCMCIA

## Memory Stick



MS-10-A-SG  
Pg 258

## Micro Secure Digital (Push-Push Type)



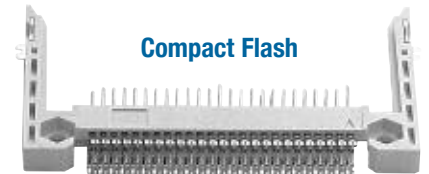
MCSP-08-C-SG (Reverse Type)  
Pg 260

## Mini Secure Digital



MSD-11-B-SG (Standard Type)  
Pg 260

## Compact Flash



CFA-50-A-SG-B-1  
Pg 262-263

## Compact Flash



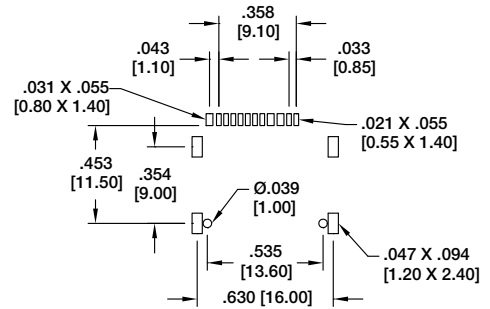
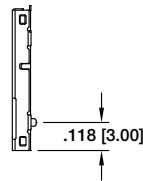
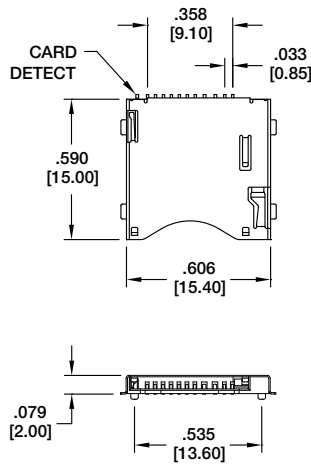
CFA-50-A-SMT-A  
Pg 261

## OPTIONS:

Add designator(s) to end of part number  
30 = 30 μin gold plating in contact area

### MICRO MEMORY STICK

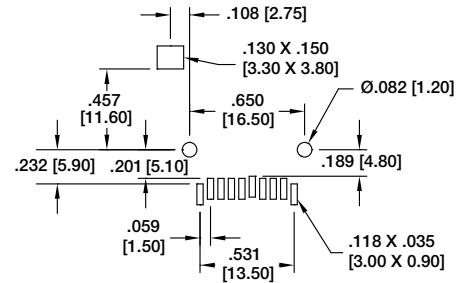
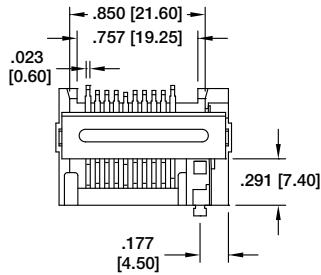
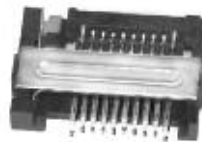
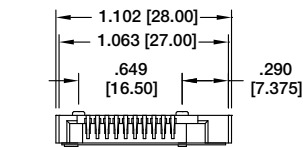
MMSP-11-A-SG



Recommended PCB Layout

### MEMORY STICK

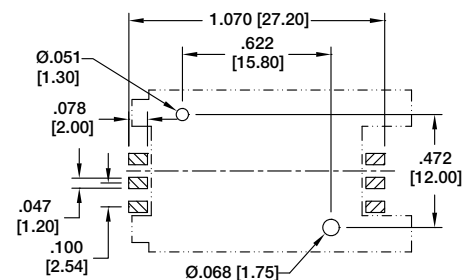
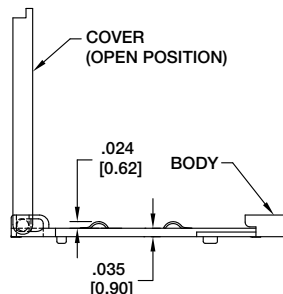
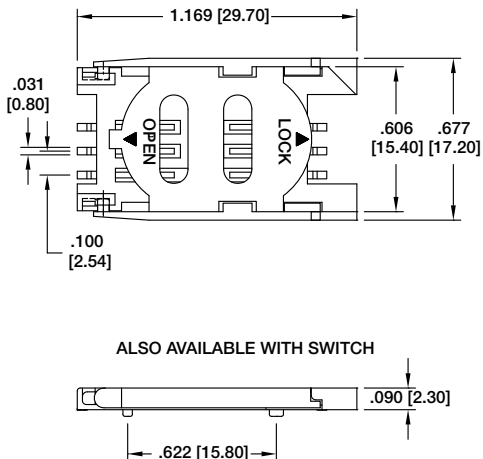
MS-10-A-SG (NORMAL TYPE)



Recommended PCB Layout

### SIM CARD SOCKET

SCC-06-SG-HC



Recommended PCB Layout

**SECURE DIGITAL**  
**SD-09-B-SG**

**SECURE DIGITAL**  
**METAL COVER**  
**SDM-09-A-SG-0**

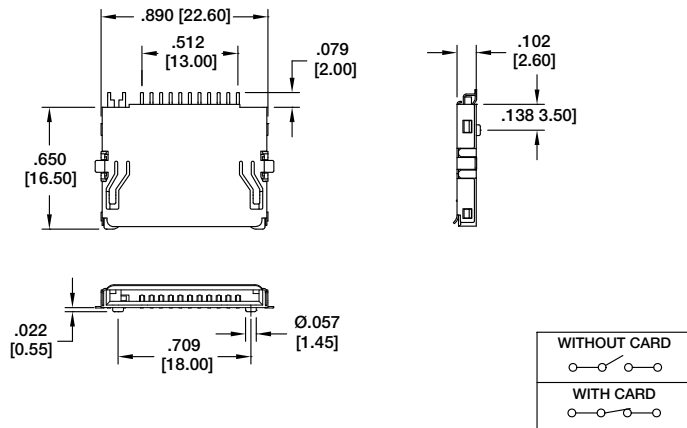
**Recommended PCB Layout**

**SECURE DIGITAL**  
**PUSH IN / PUSH OUT**  
**SDP-09C-SG**

**Recommended PCB Layout**

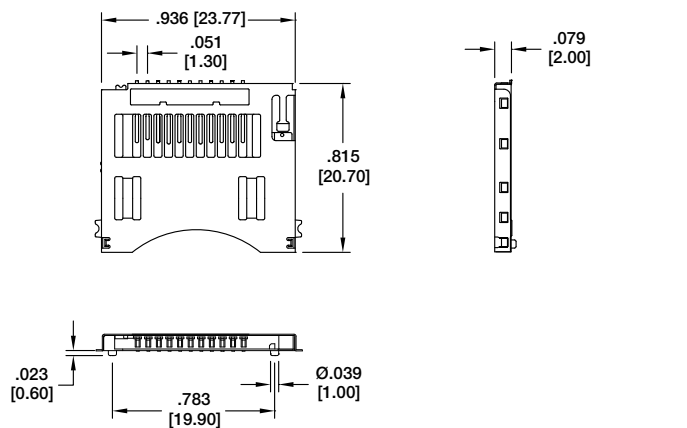
### MINI SECURE DIGITAL

MSD-11-B-SG (STANDARD TYPE)



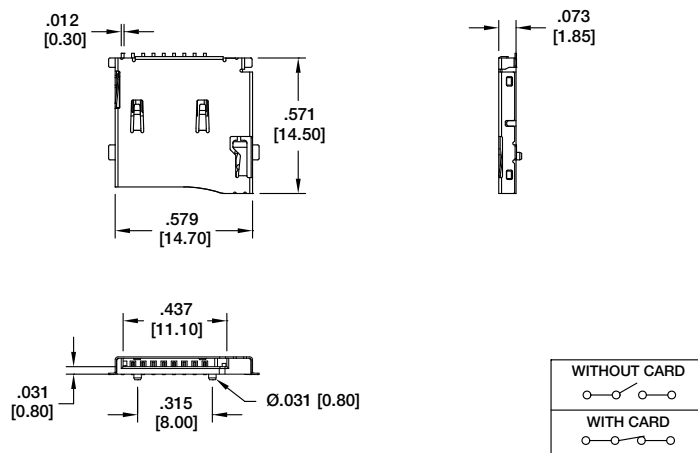
### MINI SECURE DIGITAL (PUSH - PUSH TYPE)

MSDPR-11-B-SG (REVERSE TYPE)

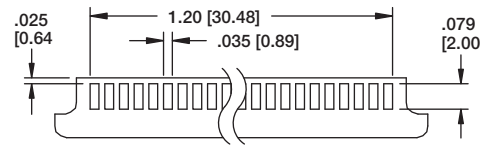
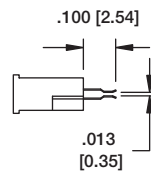
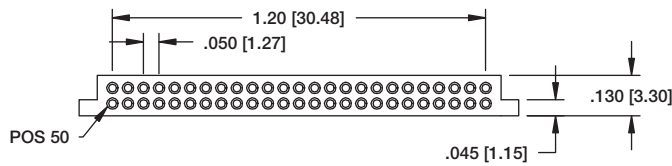
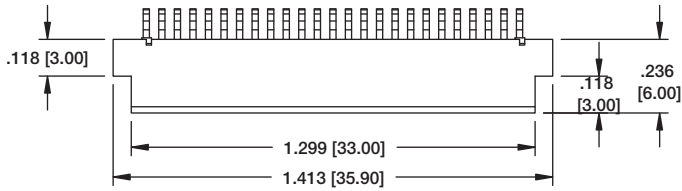


### MICRO SECURE DIGITAL (PUSH - PUSH TYPE)

MCSP-08-C-SG



## 50 PIN COMPACT FLASH SOCKET STRADDLE MOUNT

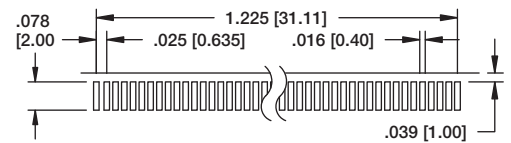
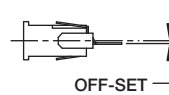
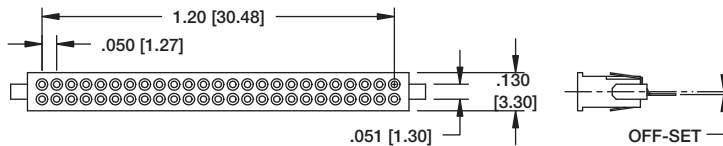
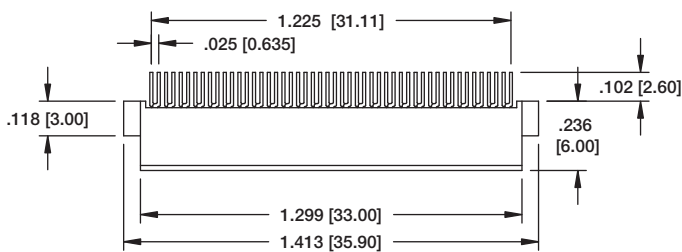


Recommended PCB Layout



CFS-50-A-SG-SM

## 50 PIN COMPACT FLASH SOCKET SURFACE MOUNT

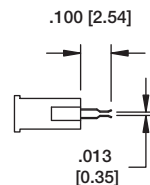
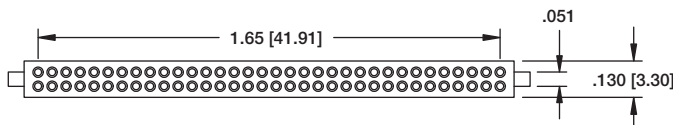
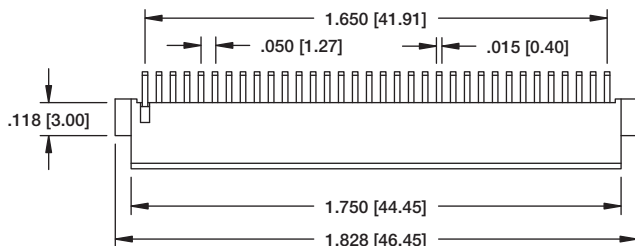


Recommended PCB Layout

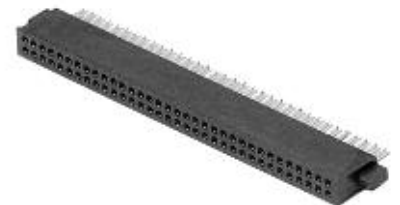


ADAM TECH PART NO.	"X" OFFSET
CFS-50-A-SMT-A	0.00 [0.00]
CFS-50-A-SMT-B	.012 [0.30]
CFS-50-A-SMT-C	.023 [0.60]
CFS-50-A-SMT-D	.035 [0.90]

## 68 PIN COMPACT FLASH SOCKET STRADDLE MOUNT

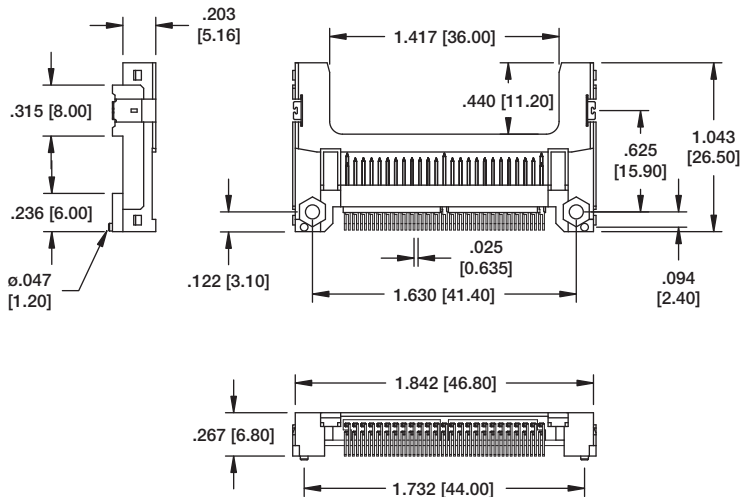
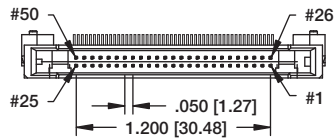


Recommended PCB Layout

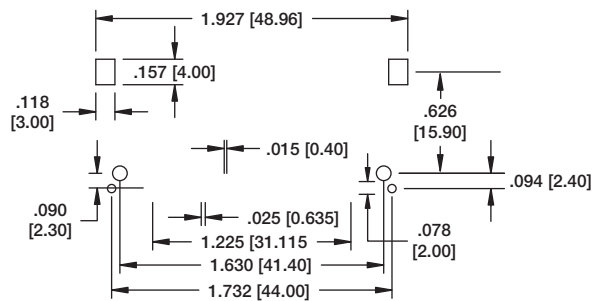


CFS-68-A-SG-SM

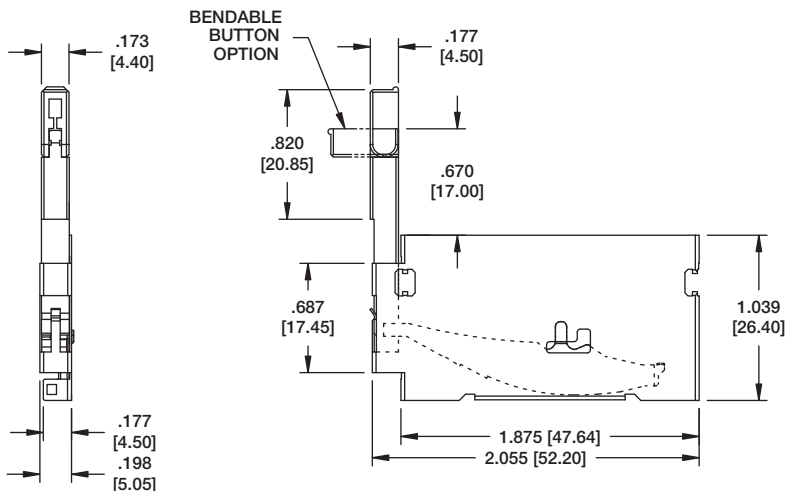
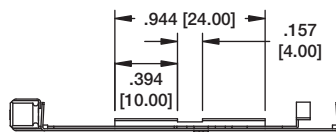
## 50 PIN COMPACT FLASH, TYPE 1



Part Nos. Available  
**CF1-50-A-SG (Standard Type)**  
**CF1R-50-A-SG (Reverse Type) Not Shown**

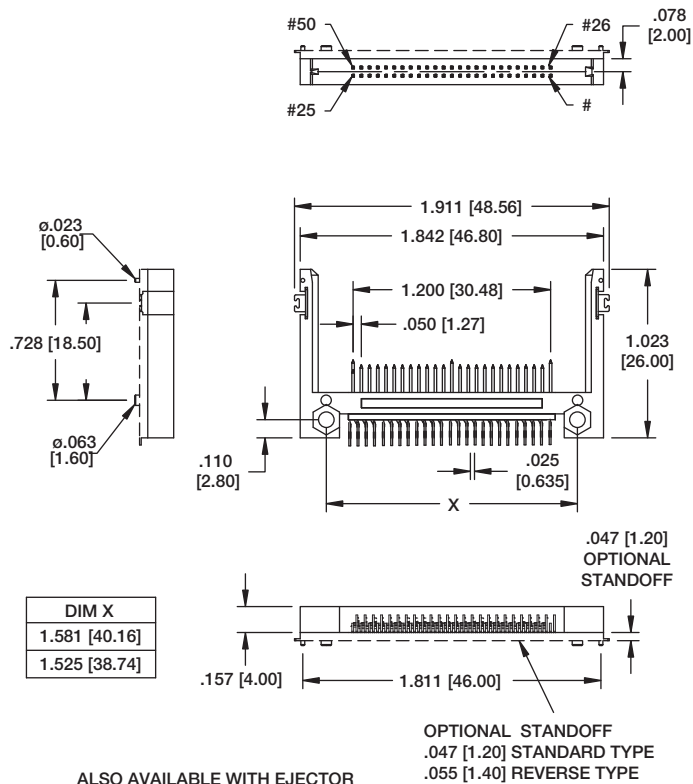


## 50 PIN COMPACT FLASH, EJECTOR (FOR USE WITH CF1 AND CF1R SERIES SOCKETS)



Part Nos. Available  
**CFE-50-L15 (15.0mm long Ejector button)**  
**CFE-50-L20 (20.0mm long Ejector button)**  
**CFE-50-L22 (22.0mm long Ejector button)**

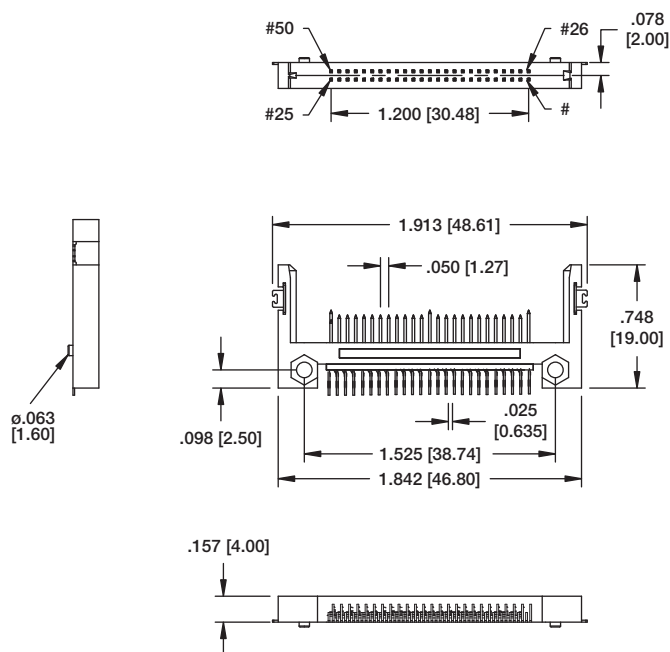
**50 PIN COMPACT FLASH,  
SLIM TYPE (FITS CF TYPE 1 AND 2)**



CFA-50-A-SG-B-1

- Part Nos. Available**
- CFA-50-A-SG-1 (Standard Type, 40.16mm)
  - CFA-50-A-SG-B-1 (Standard Type, 40.16mm, Standoff 1.2mm)
  - CFR-50-A-SG-1 (Reverse Type, 40.16mm)
  - CFR-50-A-SG-C-1 (Reverse Type, 40.16mm, Standoff 1.4mm)
  - CFA-50-A-SG-2 (Standard Type, 38.74mm)
  - CFA-50-A-SG-B-2 (Standard Type, 38.74mm, Standoff 1.2mm)
  - CFR-50-A-SG-2 (Reverse Type, 38.74mm)
  - CFR-50-A-SG-C-2 (Reverse Type, 38.74mm, Standoff 1.4mm)

**50 PIN COMPACT FLASH,  
SHORT SLIDE TYPE (FITS TYPE 2)**



CF-50-C-SG

