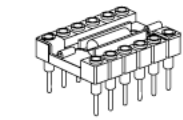
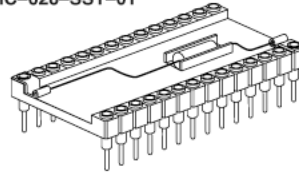




**MOLD-TO-POSITION PRODUCT**  
 Minimums or set-up charges may apply. Call Samtec.

CIC-628-SST-01



CIC-312-SGT-02

# CAPACITOR/IC SOCKETS

**CIC SERIES**

Mates with:  
 APO, APA

## High Reliability Capacitor/IC Sockets

Samtec high-reliability Capacitor/IC sockets have an internally mounted decoupling capacitor to eliminate noise.

Precision machined socket shells have either standard or low insertion force contacts. A unique clip provides gas-tight connection of capacitor leads to the lead socket. See test data section of catalog. Complete report from independent lab available on request.

### SPECIFICATIONS

For complete specifications see [www.samtec.com](http://www.samtec.com)?CIC

**Insulator Material:**  
 Black Glass Filled Polyester



**Flammability Rating:**  
 UL 94V-0

**Insulation Resistance:**  
 5000 MΩ min

**Operating Temp Range:**  
 -55°C to +125°C with Gold  
 -55°C to +105°C with Tin

**Withstanding Voltage:**  
 1000 VRMS

**Contact:** BeCu  
**Shell:** Brass

**Plating:**  
 Au 50μ" (1,27μm) Ni  
**Current Rating:**  
 1 A

**Contact Resistance:**  
 10 mΩ max

**Socket Retention in Body:**  
 5 lbs against barb

**Insertion Force:**

Standard = 9 oz (2,50N)

avg, 16 oz (4,45N) max

Low Insertion Force =

2.5 oz (0,70N) avg, 5.5 oz

(1,53N) max

**Withdrawal Force:**

Standard = 2.5 oz (0,70N)

avg, 1.5 oz (0,42N) min

Low Insertion Force =

2.0 oz (0,56N) avg, 0.35 oz

(0,19N) min

**Note:** Some sizes, styles and options are non-standard, non-returnable.

CIC	ROW SPACING & NO. OF CONTACTS	STYLE OPTION	PLATING OPTION	CAP SUFFIX	OTHER OPTION	
-312	= .300 Row 12 Contacts	<p>Specify row spacing and number of contacts                      First number is 10 times row spacing.                      Second two numbers are number of contacts.</p>	<b>GG</b> = 30μ" (0,76μm) Gold Contact, 10μ" (0,25μm) Gold Shell	<b>-01</b> = .01μf	<b>-L</b> = Locking Socket  Requires .040"±.003" board hole.  	
-314	= .300 Row 14 Contacts		<b>GT</b> = 30μ" (0,76μm) Gold Contact, Tin Shell	<b>-02</b> = .1μf		
-316	= .300 Row 16 Contacts		<b>TT</b> = Tin Contact and Shell	<b>-05</b> = .33μf	Requires GT Plating Option  	
-318	= .300 Row 18 Contacts		<b>ST</b> = 10μ" (0,25μm) Gold Contact, Tin Shell			
-320	= .300 Row 20 Contacts					
-322	= .300 Row 22 Contacts					
-324	= .300 Row 24 Contacts					
-624	= .600 Row 24 Contacts					<b>-S</b> = Standard Solder Tail For LIF specify -ZS  <p>Lead DIA Accepted = .015" (0,38mm) to .022" (0,56mm)                      Insertion Depth = .095" (2,41mm) to .145" (3,68mm).                      Style S Component Part No. = SC-1P1                      Style ZS Component Part No. = EZ-1P1                      Option L Component Part No. = SC-1L1 or EZ-1L1</p>
-626	= .600 Row 26 Contacts					
-628	= .600 Row 28 Contacts					
-630	= .600 Row 30 Contacts					
-632	= .600 Row 32 Contacts					
-634	= .600 Row 34 Contacts					
-636	= .600 Row 36 Contacts					
-638	= .600 Row 38 Contacts					
-640	= .600 Row 40 Contacts					

Due to technical progress, all designs, specifications and components are subject to change without notice.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)