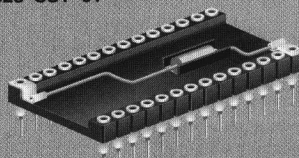
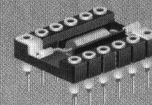




CIC-628-SST-01



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/CIC](http://www.samtec.com/CIC)

**Insulator Material:**  
Black Glass Filled Polyester



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

**Insulation Resistance:**  
5000 MΩ min

**Operating Temp Range:**  
-65°C to +125°C with Gold  
-65°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<br>12 Contacts       | <p>Specify row spacing and number of contacts<br/>First number is 10 times row spacing.<br/>Second two numbers are number of contacts.</p> | GG<br>= 30μ" (0,76μm)<br>Gold Contact 10μ"<br>(0,25μm) Gold Shell | -01<br>= .01μf                                      | <p>-L<br/>= Locking Socket</p> <p>Requires .040"±.003" board hole.</p> <p>Requires GT Plating Option</p>   |
| -314 | .300 Row<br>14 Contacts       |  | GT<br>= 30μ" (0,76μm)<br>Gold Contact 200μ"<br>(5,08μm) Tin Shell | -02<br>= .1μf                                       |  |
| -316 | .300 Row<br>16 Contacts       |  | TT<br>= 200μ" (5,08μm)<br>Tin Contact and Shell                   | -05<br>= .33μf                                      |  |
| -318 | .300 Row<br>18 Contacts       |  | ST<br>= 10μ" (0,25μm)<br>Gold Contact 200μ"<br>(5,08μm) Tin Shell |   |  |
| -320 | .300 Row<br>20 Contacts       |  |   |   |  |
| -322 | .300 Row<br>22 Contacts       |  |   |   |  |
| -324 | .300 Row<br>24 Contacts       |  |   |   |  |
| -624 | .600 Row<br>24 Contacts       |  |   |   |  |
| -626 | .600 Row<br>26 Contacts       |  |   |   |  |
| -628 | .600 Row<br>28 Contacts       |  |   |   |  |
| -630 | .600 Row<br>30 Contacts       |  |   |   |  |
| -632 | .600 Row<br>32 Contacts       |  |   |   |  |
| -634 | .600 Row<br>34 Contacts       |  |   |   |  |
| -636 | .600 Row<br>36 Contacts       |  |   |   |  |
| -638 | .600 Row<br>38 Contacts       |  |   |   |  |
| -640 | .600 Row<br>40 Contacts       |  |   |   |  |
|      |                               |  |   | -S<br>= Standard Solder Tail<br>For LIF specify -ZS |  |
|      |                               |  |   |   | <p>Lead DIA Accepted = .015" (0,38mm) to .022" (0,56mm)<br/>Insertion Depth = .095" (2,41mm) to .145" (3,68mm)<br/>Style S Component Part No. = SC-1P1<br/>Style ZS Component Part No. = EZ-1P1<br/>Option L Component Part No. = SC-1L1 or EZ-1L1</p> |

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

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