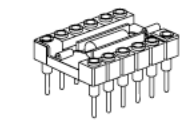
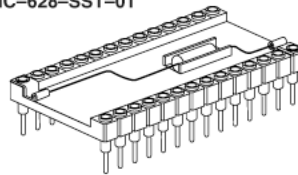


samtec

**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/CIC

Insulator Material:

 Black Glass Filled
Polyester


Flammability Rating:

UL 94V-O

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

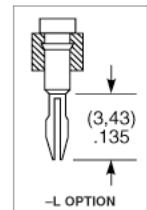
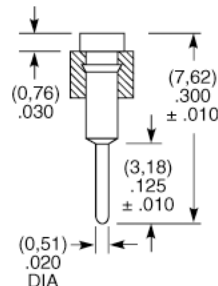
Low Insertion Force =

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		GG = 30μ" (0,76μm) Gold Contact, 10μ" (0,25μm) Gold Shell	-01 = .01μf	-L = Locking Socket
-314	= .300 Row 14 Contacts			-02 = .1μf	Requires .040"±.003" board hole.
-316	= .300 Row 16 Contacts		GT = 30μ" (0,76μm) Gold Contact, Tin Shell	-05 = .33μf	Requires GT Plating Option
-318	= .300 Row 18 Contacts		TT = Tin Contact and Shell		
-320	= .300 Row 20 Contacts		ST = 10μ" (0,25μm) Gold Contact, Tin Shell		
-322	= .300 Row 22 Contacts				
-324	= .300 Row 24 Contacts				
-624	= .600 Row 24 Contacts				
-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				

 Specify row spacing and
number of contacts
First number is 10 times
row spacing.
Second two numbers are
number of contacts.

 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

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

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