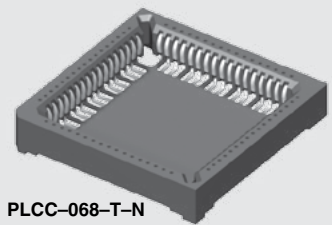


ICF-624-S-O



PLCC-068-T-N

(2.54 mm) .100" (ICF) (1.27 mm) .050" (PLCC)

ICF, PLCC SERIES

# SMT DIP & CHIP CARRIER SOCKETS

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?ICF](http://www.samtec.com?ICF) or [www.samtec.com?PLCC](http://www.samtec.com?PLCC)

### Insulator Material:

Black Liquid Crystal Polymer

### Contact Material:

BeCu

### Plating:

Sn or Au over

50  $\mu$ " (1.27  $\mu$ m) Ni

### Operating Temp Range:

-55 °C to +125 °C

### Contact Resistance:

10 m $\Omega$

### Insertion Depth (ICF):

(2.54 mm) .100" to

(3.81 mm) .150"

### Insertion

Force/Contact (ICF):

5 oz (1.39 N) average

### Withdrawal

Force/Contact (ICF):

4 oz (1.11 N) average

### RoHS Compliant:

Yes

## PROCESSING

### Lead-Free Solderable:

Yes

### SMT Lead Coplanarity (ICF):

.006" (0.15 mm) max

### Lead Coplanarity (PLCC):

Less than 52 leads=

(0.15 mm) .006 max;

52 leads and more=

(0.20 mm) .008 max

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



FILE NO. E111594

## ICF

## ROW SPACING & NO. OF CONTACTS

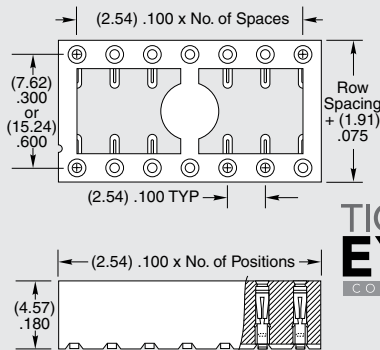
## PLATING OPTION

## TAIL OPTION

## OTHER OPTION

### Specify from chart below

| "-XXX" | Row Space    | No. of Contacts |
|--------|--------------|-----------------|
| -308   | (7.62) .300  | 08              |
| -314   |              | 14              |
| -316   |              | 16              |
| -318   |              | 18              |
| -320   |              | 20              |
| -324   | (15.24) .600 | 24              |
| -328   |              | 28              |
| -624   |              | 24              |
| -628   |              | 28              |
| -632   |              | 32              |
| -640   |              | 40              |



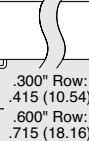
**-S**  
=30  $\mu$ "  
(0.76  $\mu$ m)  
Gold on contact,  
Matte Tin on tail

**-T**  
= Matte Tin

**-I**  
=Tails In



**-O**  
=Tails Out



**-TR**  
=Tape &  
Reel  
Packaging

## PLCC

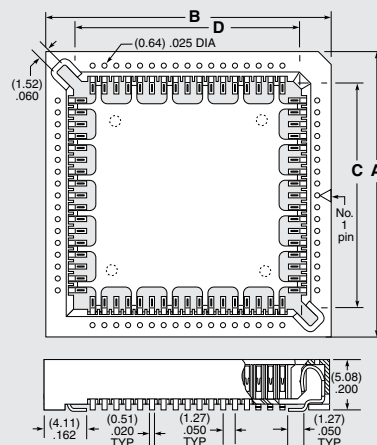
## NO. OF CONTACTS

## PLATING OPTION

## ALIGNMENT PIN OPTION

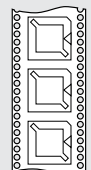
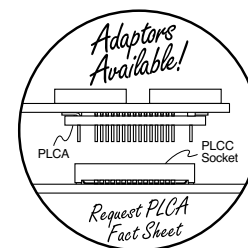
## PACKAGE OPTION

**-020, -032, -044, -068**



\*32 position has  
(1.00 mm) .040 DIA x  
(0.76 mm) .030 high  
standoffs in corners.

| NO. OF CONTACTS | A             | B             | C            | D            |
|-----------------|---------------|---------------|--------------|--------------|
| -020            | (15.24) .600  | (15.24) .600  | (9.40) .370  | (9.40) .370  |
| -032            | (17.78) .700  | (17.78) .700  | (11.94) .470 | (11.94) .470 |
| -044            | (22.86) .900  | (22.86) .900  | (17.02) .670 | (17.02) .670 |
| -068            | (30.48) 1.200 | (30.48) 1.200 | (24.64) .970 | (24.64) .970 |



Leave package  
option blank  
for packaging  
in a tube.

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