



## CHIP CARRIER SOCKETS: SMPX Series

Surface Mount PLCC Socket

### Product Features

Applications Include All Electronic PC Boards Requiring Use of a Socket with Same Footprints as Most Common Plastic Leaded Chip Carriers  
 Accepts Molded Plastic Chip Carriers Conforming to JEDEC Specification MO-047 for Square and MO-052 for Rectangular Configuration  
 Visual and Mechanical Polarization for PXLCC Insertion  
 Open Frame Design for Ease of Contact Inspection & Repair  
 For High Temperature SMT Soldering up to 230 °C  
 Optional PCB Polarizing Pegs Available  
 Low profile; Less than .2" Mated Height  
 Extraction Tool Slots\*  
 Open Top Design for Cooler Running Chip Carrier  
 Automatic Insertion Machine Compatible  
 CSA/NRTL Certified File No. LR78160

### Performance Specifications

#### Materials and Finish

##### Body

High Temperature Thermoplastic, Brown Color

##### Contact Material

Phosphor Bronze

##### Contact Finish

160µ" Tin over Nickel Plating

### Electrical Characteristics

#### Contact Current Rating

1 A

#### Contact Resistance

15 milliohms Max.

#### Dielectric Withstanding Voltage

1000VAC Min. for 1 Minute

#### Insulation Resistance

10000 Megohms Min

#### Temperature Rating

-50°C to +105°C

\* PXLCC Extraction Tool P/N TLPX-PXLCC

|                       |                     |                      |                  |
|-----------------------|---------------------|----------------------|------------------|
| 2D Drawing            | IGES                | STEP                 | 3D PDF           |
| Solder Profile        | CofC RoHS Compliant | CofC REACH Compliant | UL Plastic File  |
| Certificate of Origin | Check Stock         | Request a Sample     | Send Us An Email |

### Generated Part Number

### Part Number Builder

|                      |   |                      |                      |                      |                      |
|----------------------|---|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | - | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Series               |   | Number of Contact    | Body Type            | Polarized            | Packaging            |

### Series

SMPX - Surface Mount PLCC Socket

### Number of Contacts

20 - 20 Contacts

28 - 28 Contacts

32 - 32 Contacts

44 - 44 Contacts

52 - 52 Contacts

68 - 68 Contacts

84 - 84 Contacts

### Polarized

N - Non-Polarized

P - Polarized

### Packaging

Blank - Tubes

TR - Tape and Reel (Available only with N Option)

Contact Kycon for other Options

### SMPX- Series

Dimensions in mm



| Number of Contacts | Dimensions in mm |       |       |       |       |       |        |        |
|--------------------|------------------|-------|-------|-------|-------|-------|--------|--------|
|                    | A±0.2            | B±0.2 | C±0.1 | D±0.1 | E±0.2 | F±0.2 | G±0.15 | H±0.15 |
| 20                 | 15.65            | 15.65 | 5.08  | 5.08  | 16.80 | 12.70 | 9.56   | 9.56   |
| 28                 | 18.18            | 18.18 | 7.62  | 7.62  | 20.40 | 15.24 | 12.10  | 12.10  |
| 32                 | 18.18            | 20.75 | 7.62  | 10.16 | 22.20 | 17.78 | 14.64  | 12.10  |
| 44                 | 23.28            | 23.28 | 12.70 | 12.70 | 31.20 | 20.32 | 17.18  | 17.18  |
| 52                 | 25.84            | 25.84 | 15.24 | 15.24 | 32.20 | 22.86 | 19.72  | 19.72  |
| 68                 | 30.95            | 30.95 | 20.32 | 20.32 | 38.40 | 27.94 | 24.80  | 24.80  |
| 84                 | 36.00            | 36.00 | 25.40 | 25.40 | 45.60 | 33.02 | 29.88  | 29.88  |