



## 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, Black 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

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#### 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

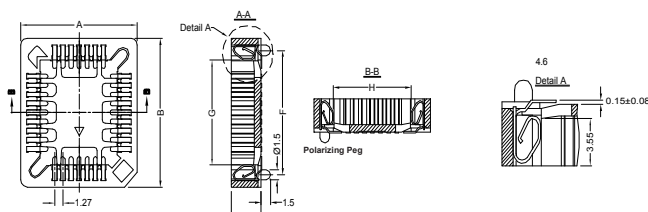
**Blank** - Tubes

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

Contact Kycon for other Options

#### SMPX- Series

Dimensions in mm



#### Dimensions in mm

| Number of Contacts | 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  |

# Mouser Electronics

Authorized Distributor

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