

Specifications

Insulation Resistance: 1,000MΩ min. at 500V DC
 Dielectric Withstanding Voltage: 700V AC for 1 minute
 Contact Resistance: 30mΩ max. at 10mA/20mV max.
 Current Rating: 1A max.
 Operating Temperature Range: -40°C to +170°C
 Mating Cycles: 10,000 insertions min.

Materials and Finish

Housing: Upper body – Polyphenylenesulfide (PPS)
 Lower body – Polyetherimide (PEI), glass-filled
 Contacts: Beryllium Copper (BeCu)
 Plating: Gold over Nickel

Features

- Two-point contacts and a larger contact width ensures high reliability
- Auto-ejecting type for automated operation (IC is inserted in "one touch" operation and pushing the cover raises it for easy IC removal)
- Available for two types of IC orientation (Live-bug & Dead-bug)

Part Number (Details)

IC120 - 084 4 - 1 02 MF

Series No.

No. of Contact Pins

Number of Sides with Contacts

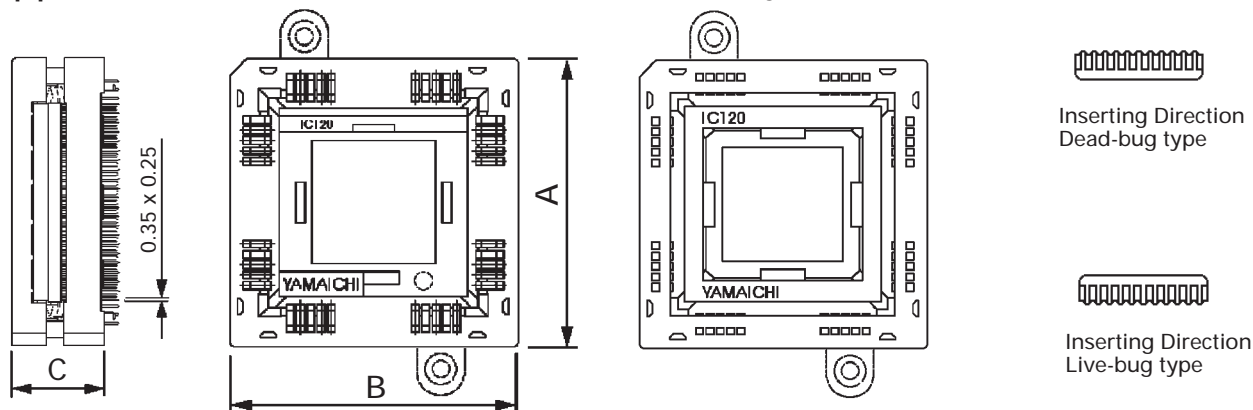
Terminal Arrangement and IC Orientation (see table below)

Design Number

MF = Flanged
 Unmarked = Not Flanged

Note:
 Mounting Flange is not available for 18 pins, 22 pins and IC120-0684-304

Applicable Socket Dimensions (Reference Only)



| Part Number | Pin Count | Inserting Direction of IC | Socket Dimensions | | |
|-----------------|-----------|---------------------------|-------------------|------|------|
| | | | A | B | C |
| *IC120-0184-002 | 18 | Dead-bug | 17.0 | 21.5 | 18.0 |
| *IC120-0184-102 | 18 | Live-bug | 17.0 | 21.5 | 19.3 |
| IC120-0184-202 | 18 | Dead-bug | 17.0 | 21.5 | 18.0 |
| IC120-0184-302 | 18 | Live-bug | 17.0 | 21.5 | 19.3 |
| IC120-0204-005 | 20 | Dead-bug | 20.0 | 20.0 | 18.0 |
| *IC120-0204-205 | 20 | Dead-bug | 20.0 | 20.0 | 18.0 |
| IC120-0204-405 | 20 | Dead-bug | 20.0 | 20.0 | 18.0 |
| *IC120-0224-001 | 22 | Dead-bug | 17.0 | 21.5 | 18.0 |
| *IC120-0224-101 | 22 | Live-bug | 17.0 | 21.5 | 19.3 |
| IC120-0224-201 | 22 | Dead-bug | 17.0 | 21.5 | 18.0 |
| IC120-0224-301 | 22 | Live-bug | 17.0 | 21.5 | 19.3 |
| IC120-0284-008 | 28 | Dead-bug | 23.0 | 23.0 | 18.0 |
| IC120-0284-108 | 28 | Live-bug | 23.0 | 23.0 | 19.3 |
| *IC120-0284-208 | 28 | Dead-bug | 23.0 | 23.0 | 18.0 |
| *IC120-0284-308 | 28 | Live-bug | 23.0 | 23.0 | 19.3 |
| IC120-0284-408 | 28 | Dead-bug | 23.0 | 23.0 | 18.0 |
| *IC120-0284-508 | 28 | Live-bug | 23.0 | 23.0 | 19.3 |
| IC120-0324-009 | 32 | Dead-bug | 22.5 | 25.0 | 18.0 |
| IC120-0324-109 | 32 | Live-bug | 22.5 | 25.0 | 19.3 |
| *IC120-0324-209 | 32 | Dead-bug | 22.5 | 25.0 | 18.0 |
| *IC120-0324-309 | 32 | Live-bug | 22.5 | 25.0 | 19.3 |
| IC120-0324-409 | 32 | Dead-bug | 22.5 | 25.0 | 18.0 |
| IC120-0324-509 | 32 | Live-bug | 22.5 | 25.0 | 19.3 |

* Most compatible socket type (3 different PCB-layout options available)

IC120 - Open Top

Plastic Lead Chip Carrier (PLCC)

Recommended PCB Layouts (18 to 22 pins)

Top view from socket

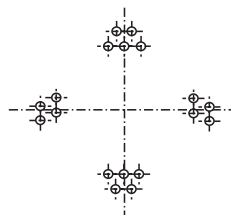
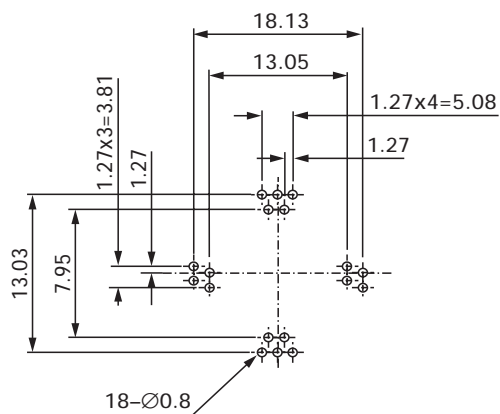
18 pins

IC120-0184-002

IC120-0184-102

IC120-0184-202

IC120-0184-302

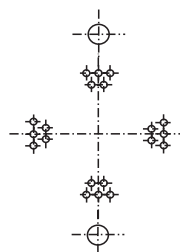
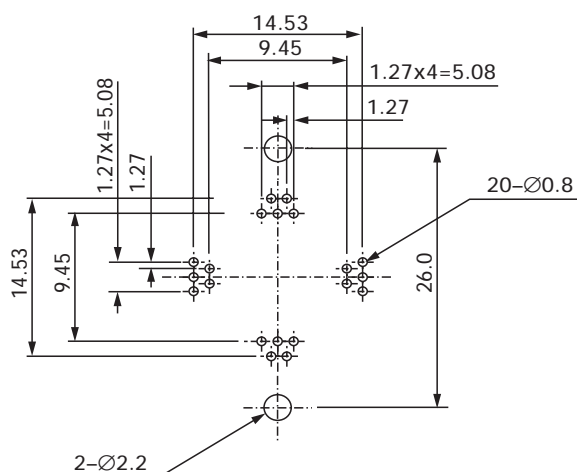


20 pins

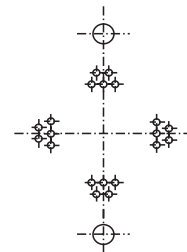
IC120-0204-005

IC120-0204-205

IC120-0204-405



Most compatible
socket type



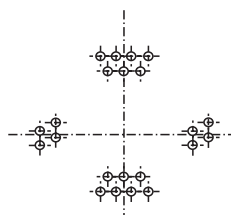
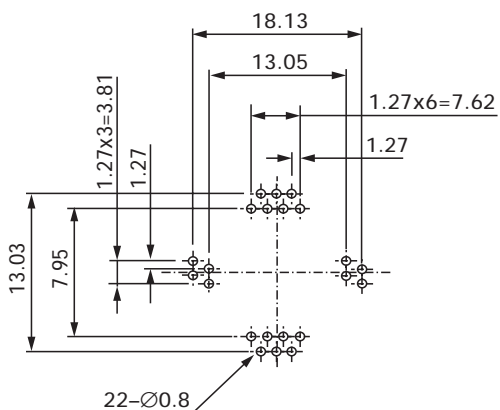
22 pins

IC120-0224-001

IC120-0224-101

IC120-0224-201

IC120-0224-301



IC120 - Open Top

Plastic Lead Chip Carrier (PLCC)

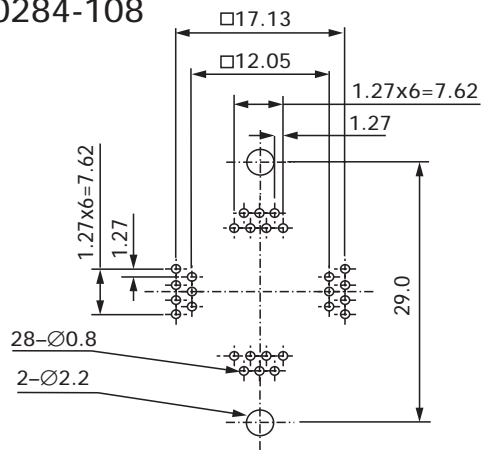
Recommended PCB Layouts (28 to 32 pins)

Top view from socket

28 pins

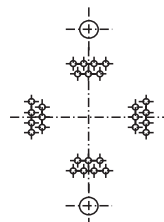
IC120-0284-008

IC120-0284-108



IC120-0284-208

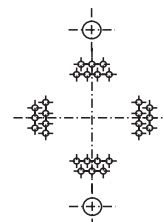
IC120-0284-308



Most compatible socket type

IC120-0284-408

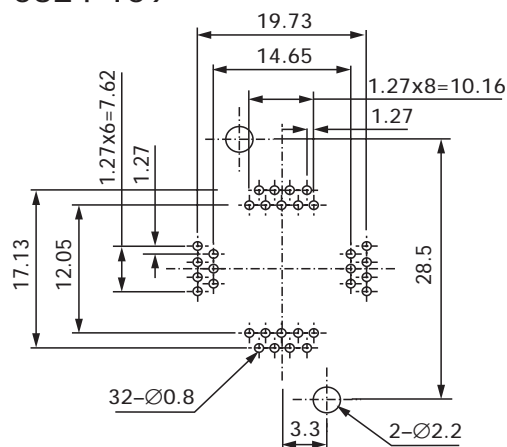
IC120-0284-508



32 pins

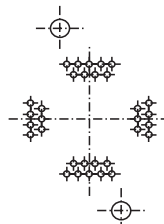
IC120-0324-009

IC120-0324-109



IC120-0324-209

IC120-0324-309



Most compatible socket type

IC120-0324-409

IC120-0324-509

