

## Specifications

Insulation Resistance: 1,000MΩ min. at 100V DC, pitch 0.4, 0.5  
 1,000MΩ min. at 500V DC, pitch 0.65, 0.8

Dielec. Withstd. Voltage: for 1 minute at 100V AC, pitch 0.4, 0.5  
 for 1 minute at 500V AC, pitch 0.65  
 for 1 minute at 700V AC, pitch 0.8

Contact Resistance: 30mΩ max. at 10mA/20mV max.

Operating Temp. Range -40°C to +150°C

Contact Force 20g to 80g per pin

Mating Cycles: 10,000 insertions min.  
 5,000 insertions min. (IC234-1004-009)

## Materials and Finish

Housing: Polyetherimide (PEI), glass-filled  
 Polyethersulphone (PES), glass-filled

Contacts: Beryllium Copper (BeCu)

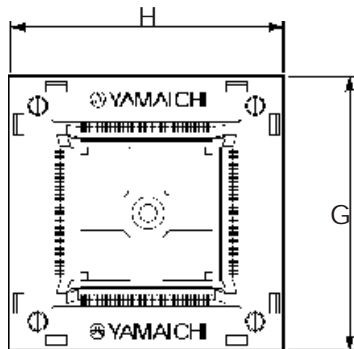
Plating: Gold over Nickel

## Features

- Open top sockets for QFP packages using a shoulder contact system
- Universal socket for both long and short IC leads
- Contact system protects the IC lead from wear and tear during testing

## Applicable Dimensions (Reference Only)

### Outline Socket Dimensions



## Part Number (Details)

IC234 - 120 4 - 017 \*

Series No.

No. of Contact Pins

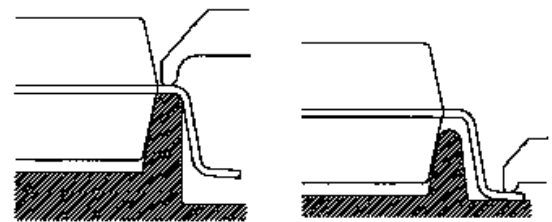
Number of Sides with Contacts

Design Number

Positioning Pin

N = Without Positioning Pin  
 P = With Positioning Pin

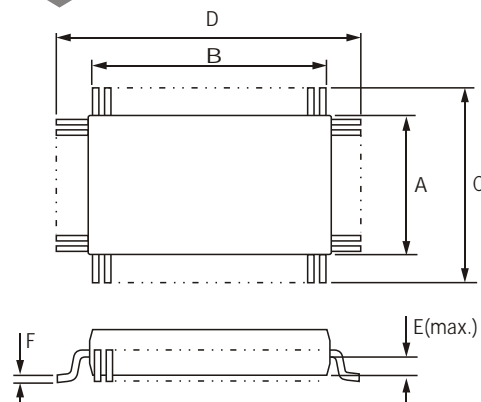
### Contact Details



Shoulder Contact, for IC234 Series

Conventional Bottom Contact

### Outline IC Dimensions



Part Number	Pin Count	Pitch (mm)	IC Dimensions					Socket Dim.	
			A x B	C	D	E (max.)	F	G	H
IC234-1204-022 *	120	0.4	14.0 x 14.0	16.00	16.00	0.67	0.125	34.0	34.0
IC234-1204-017 *	120	0.8	28.0 x 28.0	31.20	31.20	1.70	0.17	46.2	46.2
IC234-1284-043 *	128	0.4	14.0 x 14.0	16.00	16.00	0.562	0.125	34.0	34.0
IC234-1364-025 *	136	0.65	27.95 x 27.95	32.00	32.00	1.48	0.15	47.6	47.6
IC234-1444-016 *	144	0.5	20.0 x 20.0	22.00	22.00	0.837	0.125	37.0	37.0
IC234-1564-038 *	156	0.4	14.0 x 20.0	16.00	22.00	0.67	0.125	38.0	44.0
IC234-1604-018 *	160	0.65	27.95 x 27.95	32.00	32.00	1.48	0.15	47.6	47.6
IC234-1604-032 *	160	0.65	28.0 x 28.0	30.60	30.60	1.66	0.175	47.6	47.6

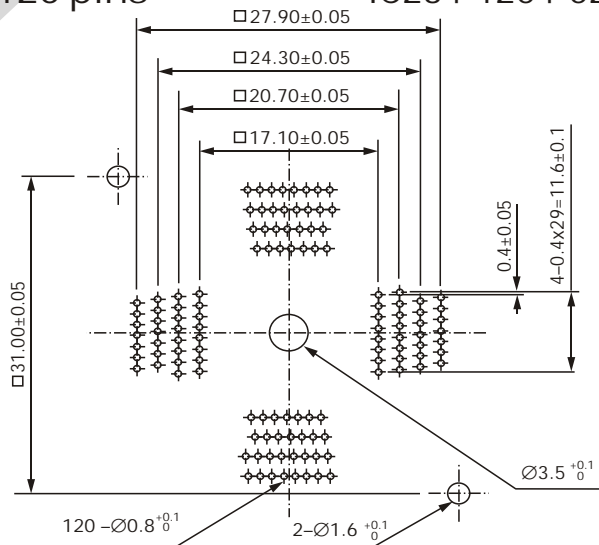
# IC234 - Open Top with Shoulder Contact

# Quad Flat Package (QFP)

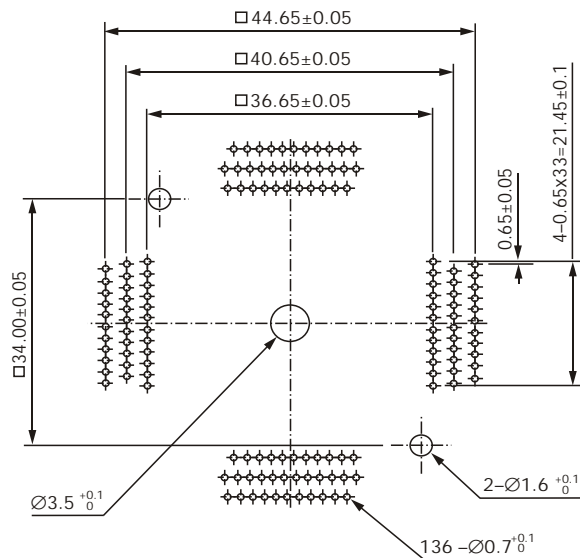
## Recommended PCB Layouts (120 to 144 pins)

Top view from socket

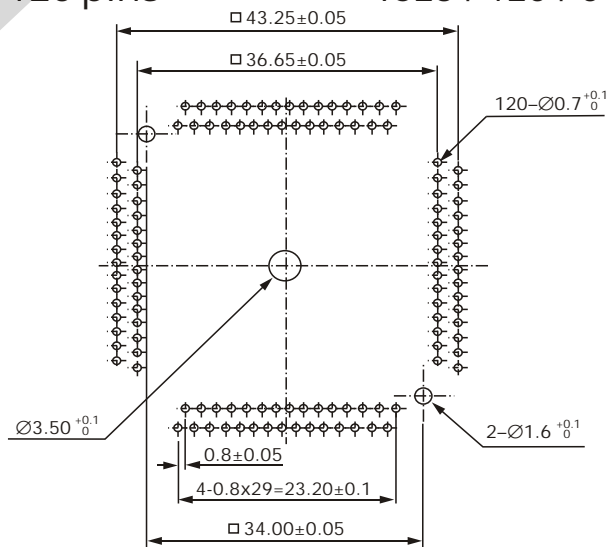
120 pins IC234-1204-022



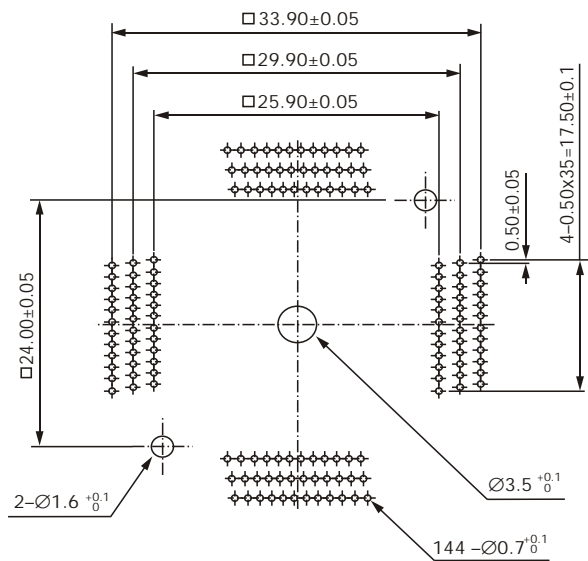
136 pins IC234-1364-025



120 pins IC234-1204-017



144 pins IC234-1444-016



128 pins IC234-1284-043

