

Specifications

Insulation Resistance: 1,000M Ω min. at 100V DC, pitch 0.4, 0.5
 1,000M Ω 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: 30m Ω 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

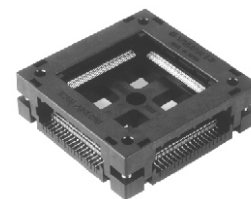
Features

- 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

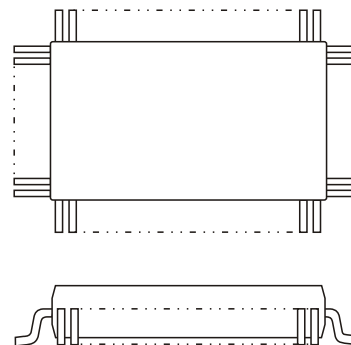
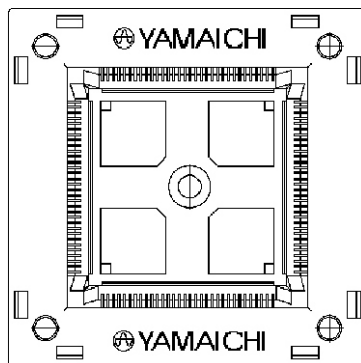
Part Number (Details)

IC234 - 120 4 - 017 *

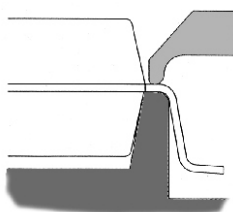
Series No.	
No. of Contact Pins	
Number of Sides with Contacts	
Design Number	
Positioning Pin	
N = Without Positioning Pin	
P = With Positioning Pin	
K = Protection Key	



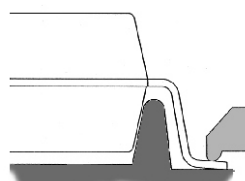
General View of a Socket and IC



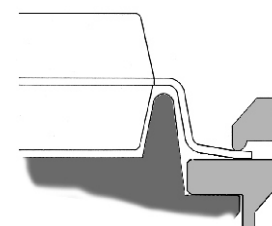
Contact Details



Shoulder Contact,

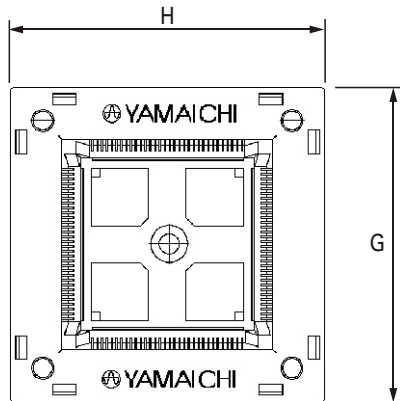


Conventional Bottom Contact

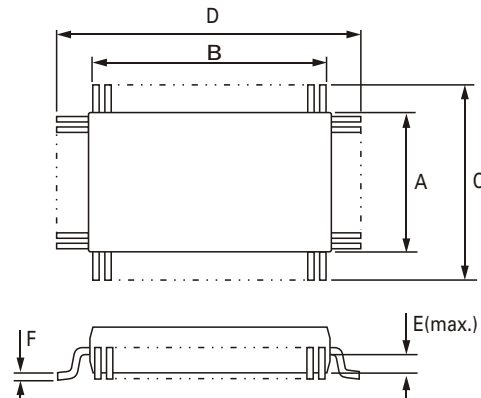


2-point contact

Outline Socket Dimensions



Outline IC Dimensions

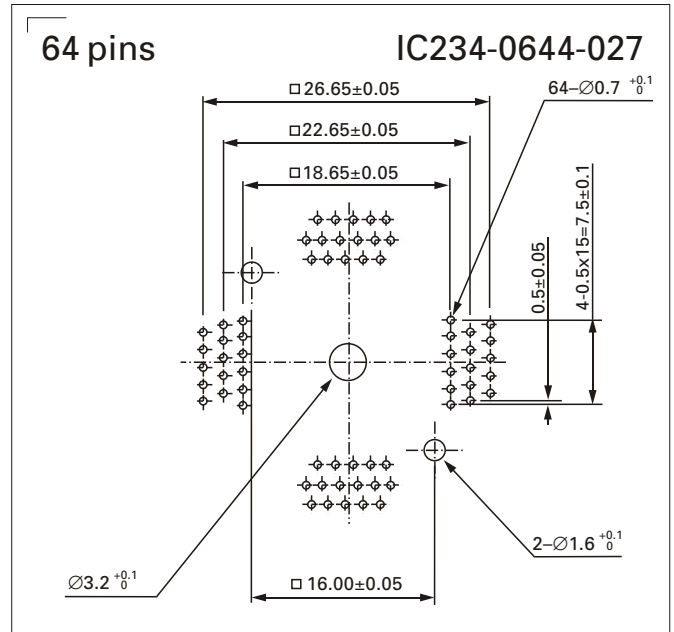
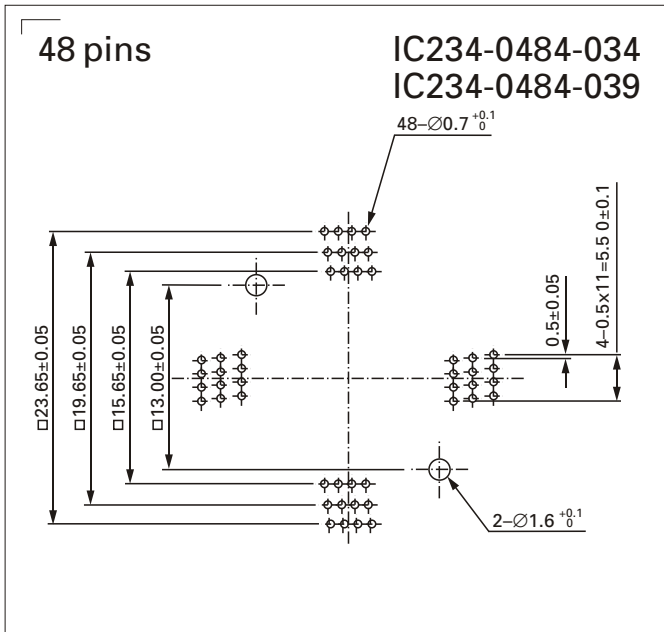
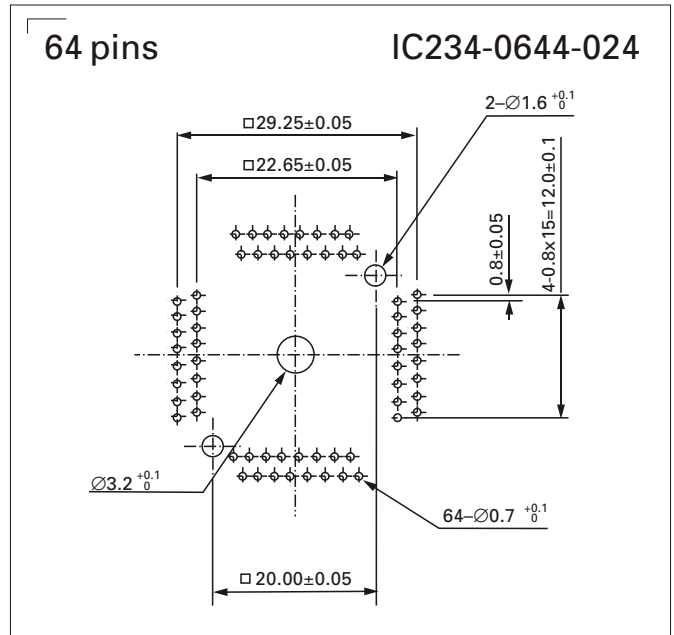
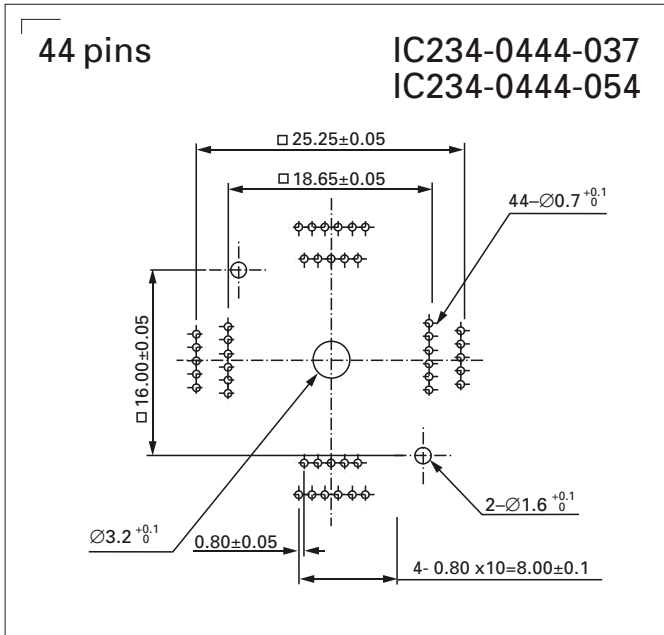
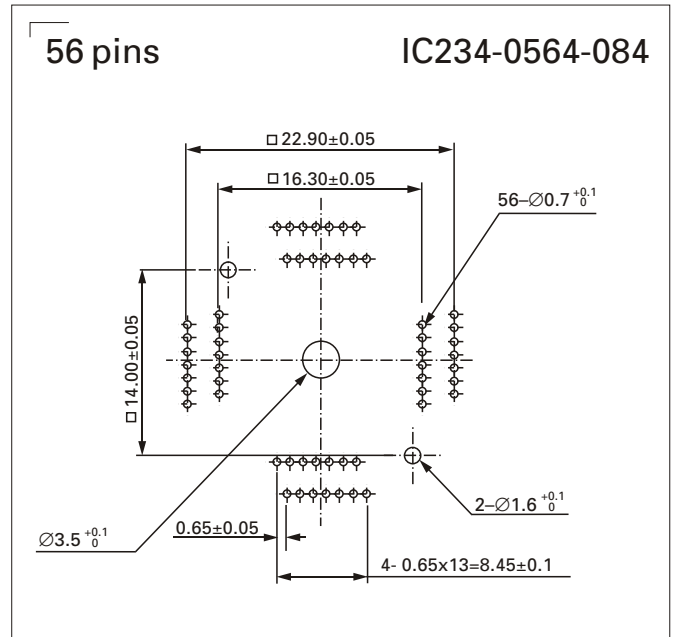
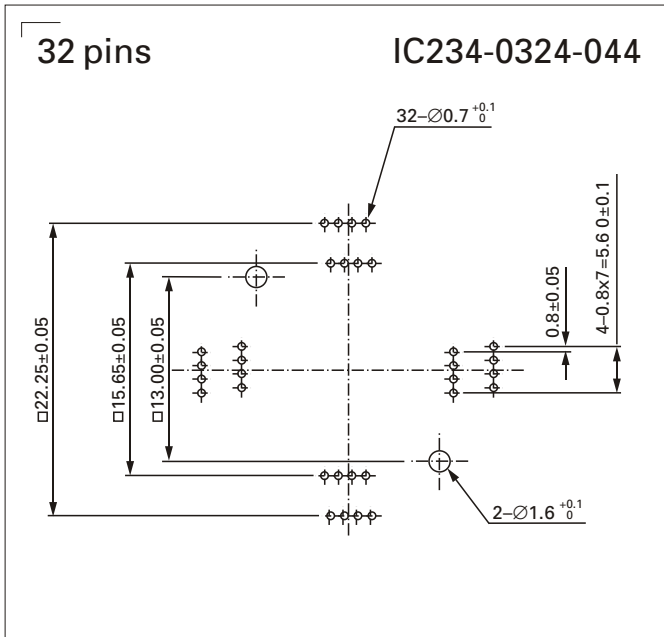


Part Number	Pin Count	Pitch (mm)	IC Dimensions					Socket Dim.		PCB Layout (see page)
			A x B	C	D	E (max.)	F	G	H	
IC234-0324-044 *	32	0.8	7.0 x 7.0	9.00	9.00	0.67	0.125	26.6	26.6	C-28
IC234-0444-037 *	44	0.8	10.0 x 10.0	12.00	12.00	0.45	0.17	29.6	29.6	C-28
IC234-0444-054 *	44	0.8	9.95 x 9.95	12.80	12.80	1.35	0.15	29.6	29.6	C-28
IC234-0484-034 *	48	0.5	7.0 x 7.0	9.00	9.00	0.47	0.127	26.6	26.6	C-28
IC234-0484-039 *	48	0.5	7.0 x 7.0	9.00	9.00	0.7365	0.127	26.6	26.6	C-28
IC234-0564-084 *	56	0.65	10.0 x 10.0	12.80	12.80	1.50	0.15	29.30	29.30	C-28
IC234-0644-027 *	64	0.5	9.95 x 9.95	12.00	12.00	0.66	0.127	29.6	29.6	C-28
IC234-0644-024 *	64	0.8	14.0 x 14.0	16.80	16.80	1.40	0.10	32.2	32.2	C-28
IC234-0804-026 *	80	0.5	11.95 x 11.95	14.00	14.00	0.67	0.127	31.6	31.6	C-29
IC234-0804-011 *	80	0.5	12.0 x 12.0	14.00	14.00	0.45	0.17	29.0	29.0	C-29
IC234-0804-019 *	80	0.65	13.95 x 13.95	16.80	16.80	1.35	0.15	32.2	32.2	C-29
IC234-0804-001 *	80	0.8	14.0 x 20.0	15.0~17.9	21.0~23.9	1.60	0.15	32.2	38.2	C-29
IC234-1004-045 *	100	0.4	12.0 x 12.0	14.00	14.00	0.47	0.125	32.0	32.0	C-29
IC234-1004-023 *	100	0.5	14.0 x 14.0	16.00	16.00	0.67	0.125	33.6	33.6	C-29
IC234-1004-008 *	100	0.65	14.0 x 20.0	18.15	24.15	1.33	-	32.2	38.2	C-30
IC234-1004-009 *	100	0.65	14.0 x 20.0	18.15	24.15	1.33	-	32.2	38.2	C-30
IC234-1004-013 *	100	0.65	14.0 x 20.0	17.20	23.20	1.35	0.17	32.2	38.2	C-30
IC234-1004-014 *	100	0.65	14.0 x 20.0	16.00	22.00	0.67	0.125	32.2	38.2	C-30
IC234-1004-015 *	100	0.65	14.0 x 20.0	16.75	22.75	0.67	0.125	32.0	38.2	C-30
IC234-1004-033 *	100	0.65	14.0 x 20.0	17.90	23.90	1.33	-	32.2	38.2	C-30
IC234-1204-022 *	120	0.4	14.0 x 14.0	16.00	16.00	0.67	0.125	34.0	34.0	C-30
IC234-1204-058 *	120	0.65	16.0 x 16.0	18.00	18.00	0.67	0.145	35.6	35.6	C-30
IC234-1204-017 *	120	0.8	28.0 x 28.0	31.20	31.20	1.70	0.17	46.2	46.2	C-30
IC234-1204-065 *	120	0.8	28.0 x 28.0	32.80	32.80	1.63	0.15	48.4	48.4	C-30
IC234-017-AC-11315	128	0.8	28.0 x 28.0	31.20	31.20	1.70	0.17	34.0	34.0	C-30
IC234-1284-043 *	128	0.4	14.0 x 14.0	16.0	16.0	0.562	0.125	34.0	34.0	C-31
IC234-1364-025 *	136	0.65	27.95 x 27.95	32.00	32.00	1.48	0.15	47.6	47.6	C-31
IC234-1444-053 *	144	0.4	16.0 x 16.0	18.00	18.00	0.537	0.723	36.0	36.0	C-31
IC234-1444-016 *	144	0.5	20.0 x 20.0	22.00	22.00	0.837	0.125	37.0	37.0	C-31
IC234-1564-053 *	144	0.8	16.0 x 16.0	18.00	18.00	0.46	0.125	36.0	36.0	C-31
IC234-1564-038 *	156	0.4	14.0 x 20.0	16.00	22.00	0.67	0.125	38.0	44.0	C-31
IC234-1604-064 *	160	0.50	28.0 x 28.0	32.80	32.80	1.60	0.15	48.4	48.4	C-32
IC234-1604-018 *	160	0.65	27.95 x 27.95	32.00	32.00	1.48	0.15	47.6	47.6	C-32
IC234-1604-032 *	160	0.65	28.0 x 28.0	30.60	30.60	1.66	0.175	47.6	47.6	C-32
IC234-1764-059 *	176	0.4	20.0 x 20.0	22.00	22.00	0.67	0.125	40.0	40.0	C-32
IC234-1764-002 *	176	0.5	24.0 x 24.0	26.00	26.00	1.00	0.125	46.0	46.0	C-32
IC234-1764-005 *	176	0.5	24.0 x 24.0	26.00	26.00	1.00	0.17	46.0	46.0	C-32
IC234-2164-050 *	216	0.4	24.0 x 24.0	26.00	26.00	0.67	0.125	44.0	44.0	C-33
IC234-2164-066 *	216	0.4	24.0 x 24.0	26.00	26.00	0.67	0.17	44.0	44.0	C-33
IC234-2404-030 *	240	0.5	32.0 x 32.0	34.60	34.60	1.56	0.17	51.6	51.6	C-33
IC234-2564-020 *	256	0.4	28.0 x 28.0	30.00	30.00	1.40	0.125	48.0	48.0	C-33
IC234-2564-078 *	256	0.4	28.0 x 28.0	30.00	30.00	1.60	0.125	48.0	48.0	C-33

IC234 Series (Open Top) PCB Layouts (32 to 80 pins)

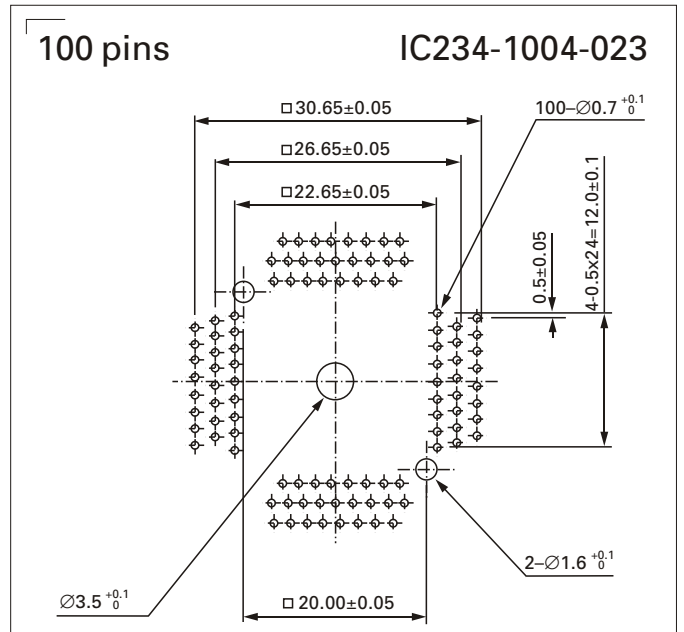
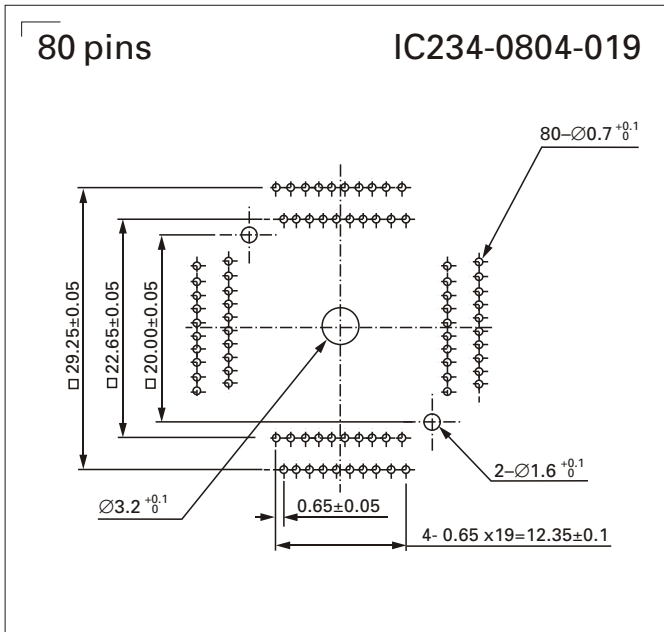
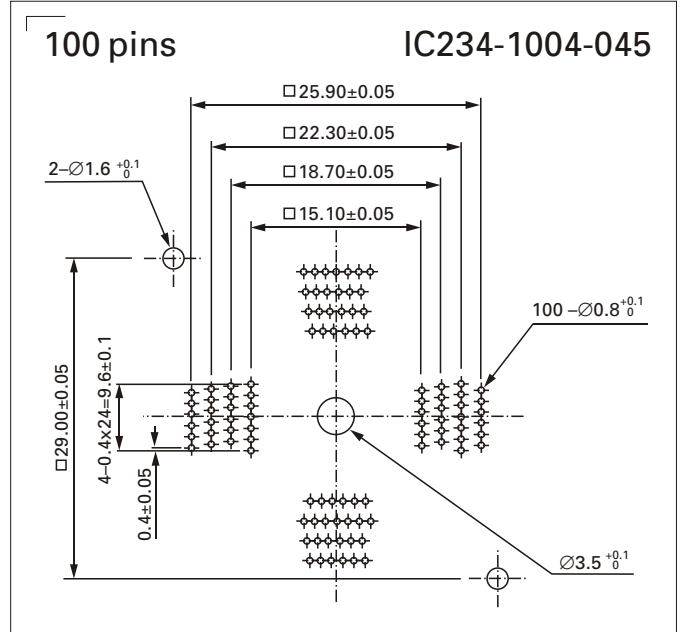
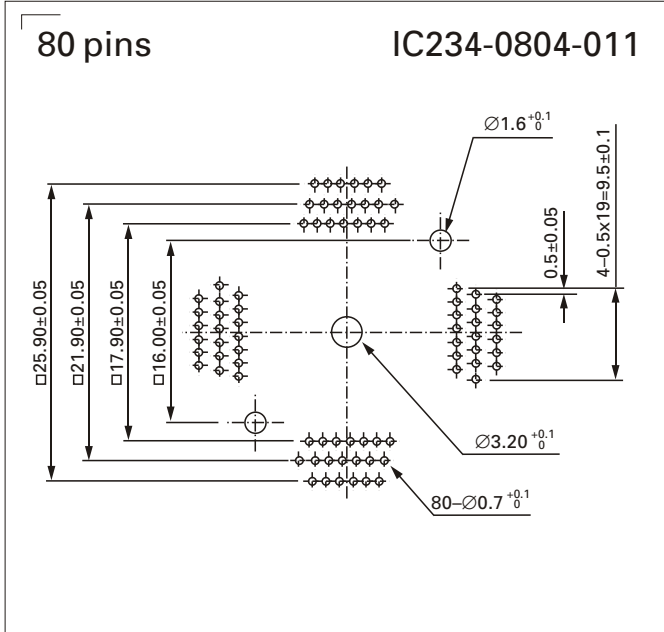
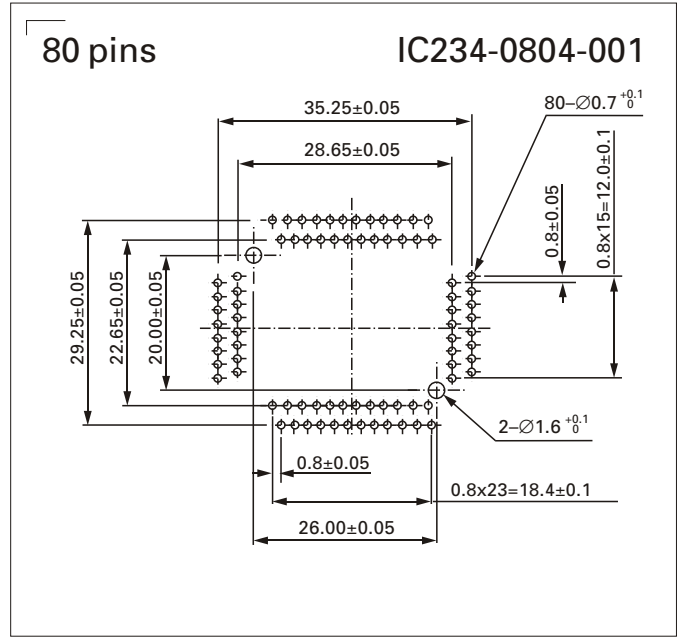
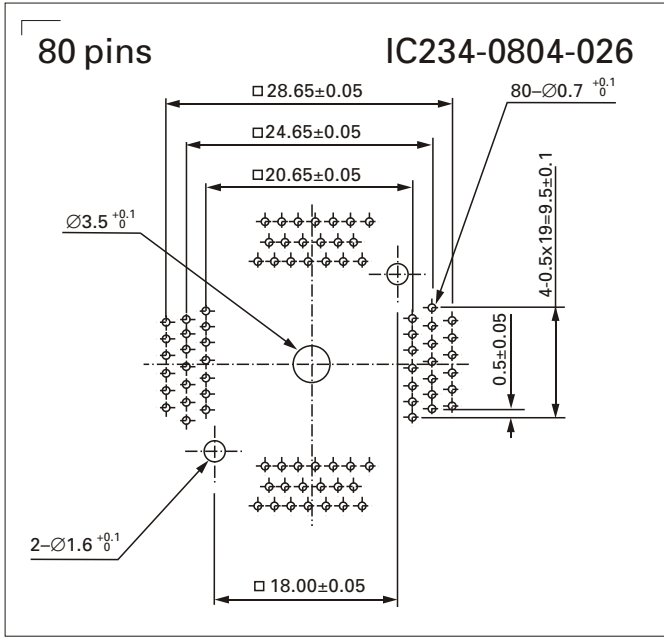
Recommended PCB Layouts

Top View from Socket



Recommended PCB Layouts

Top View from Socket

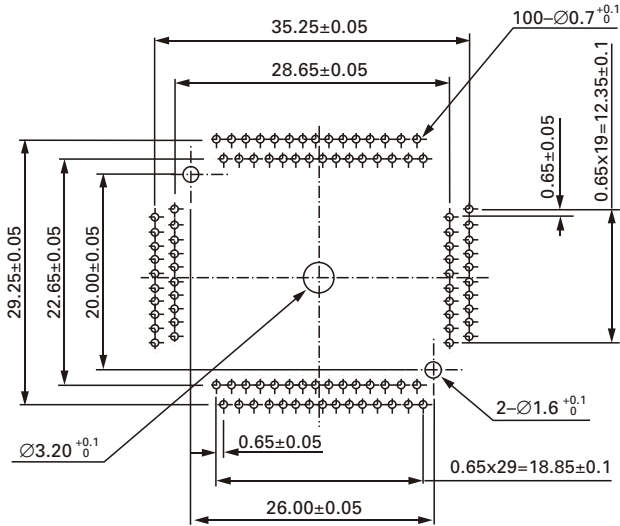


Recommended PCB Layouts

Top View from Socket

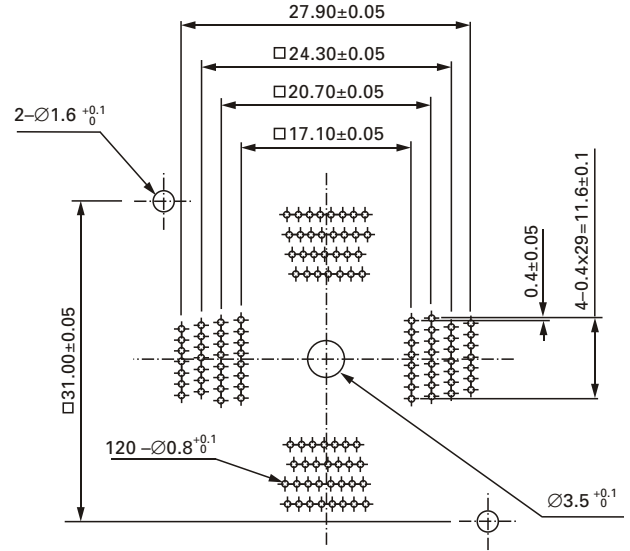
100 pins

IC234-1004-008
 IC234-1004-009
 IC234-1004-013
 IC234-1004-014
 IC234-1004-015
 IC234-1004-033



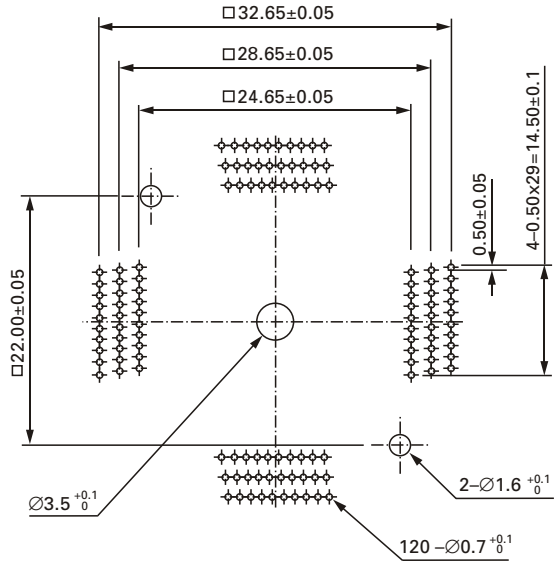
120 pins

IC234-1204-022



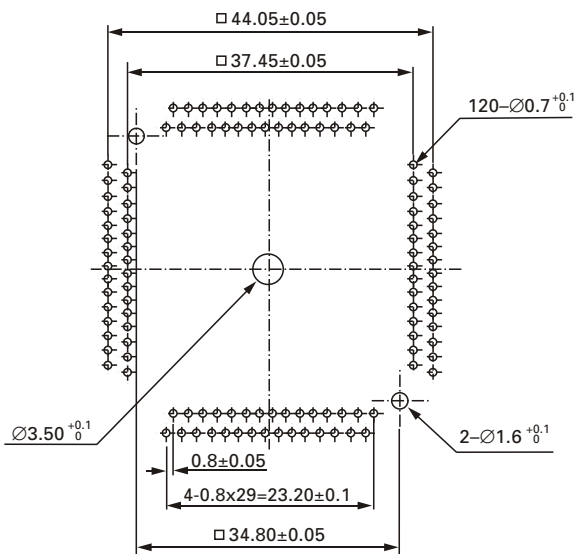
120 pins

IC234-1204-058



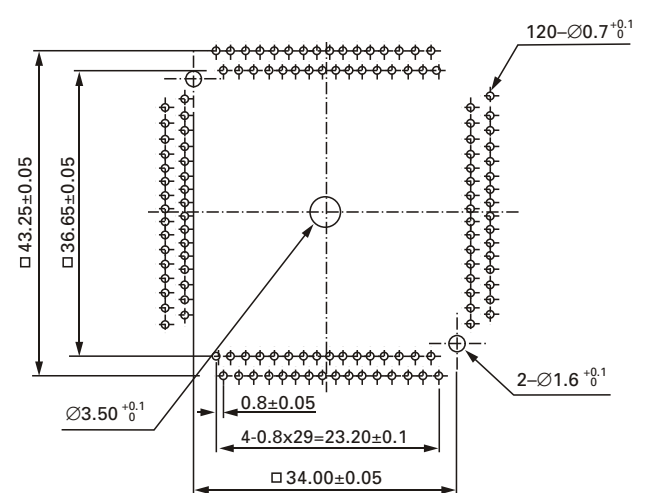
120 pins

IC234-1204-065



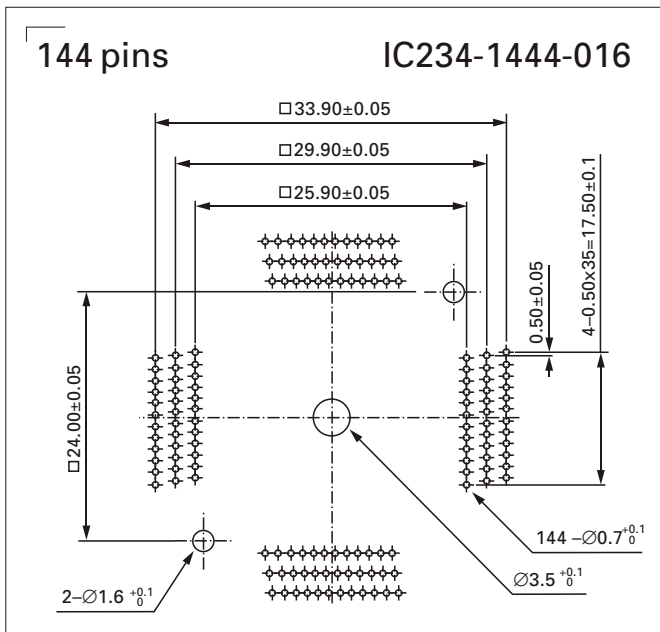
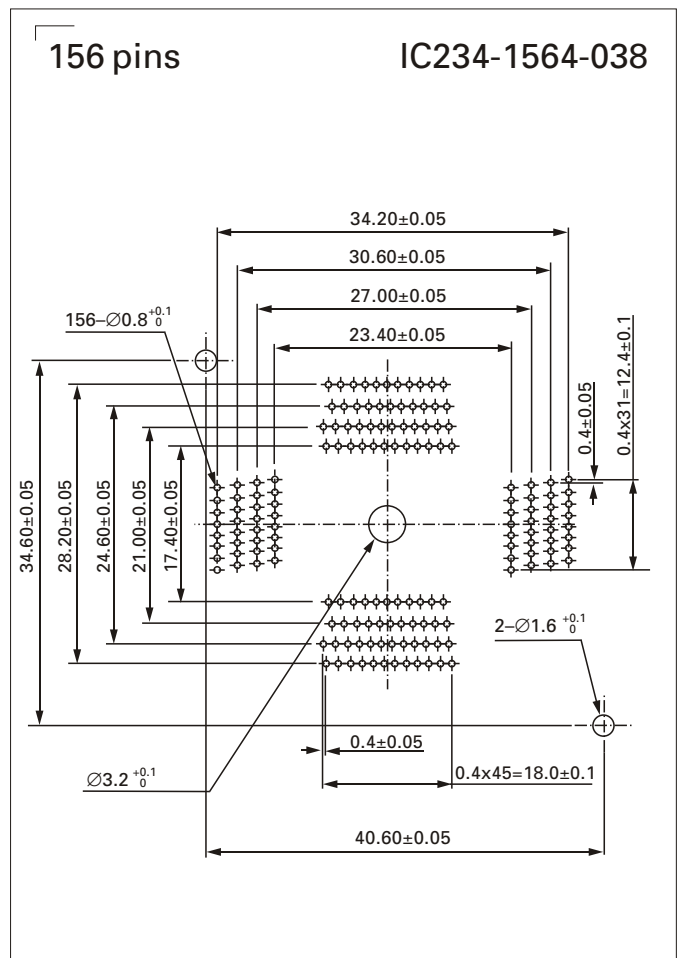
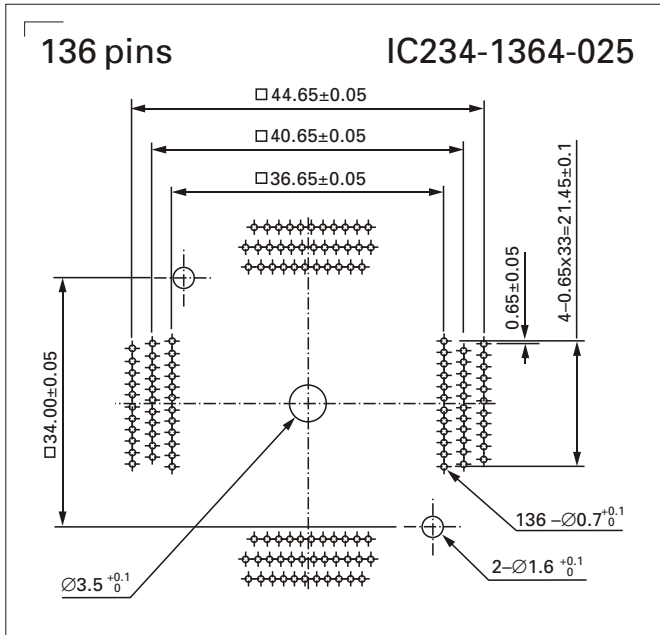
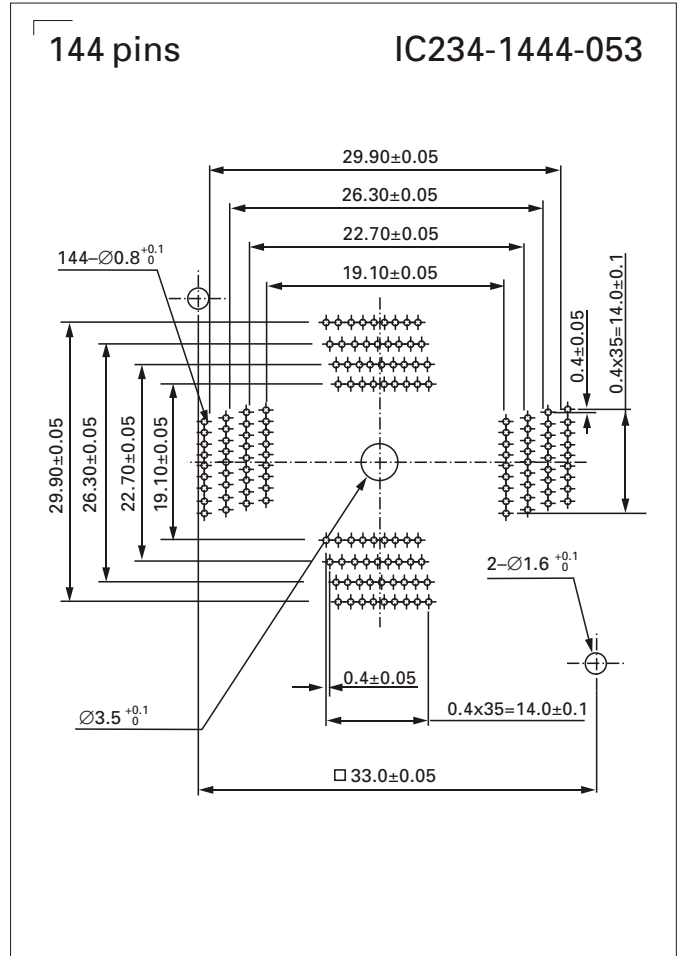
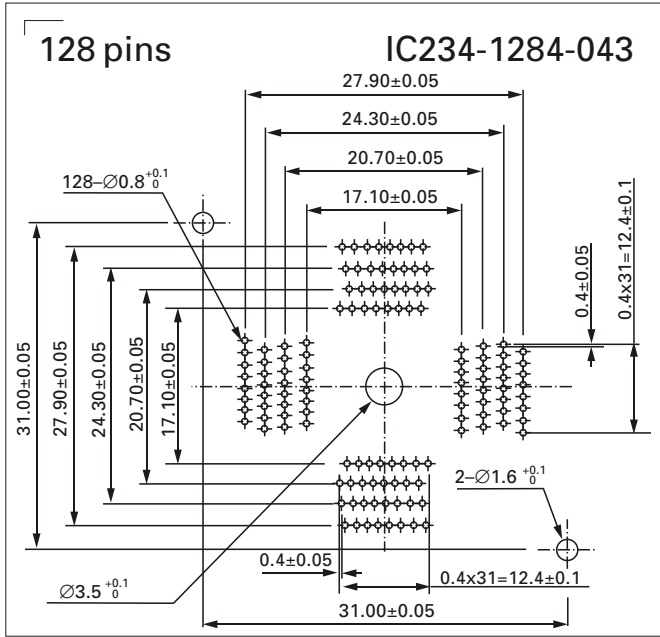
120 pins

IC234-1204-017
 IC234-017-AC-11315



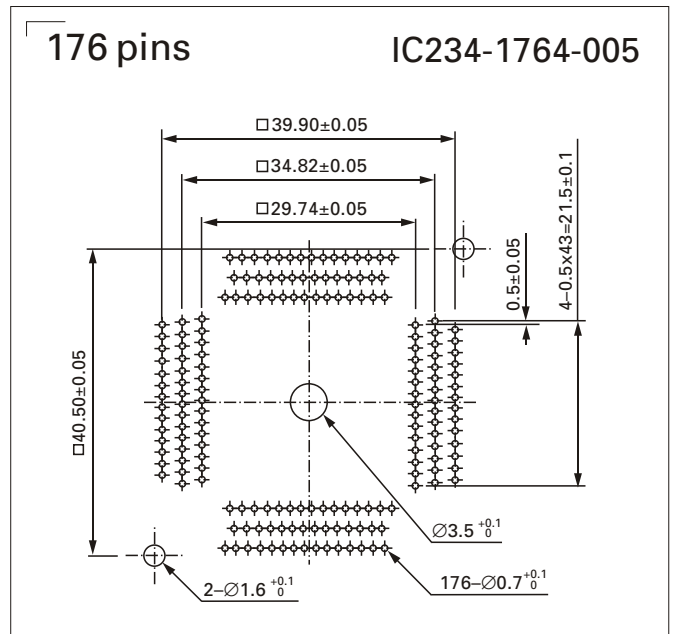
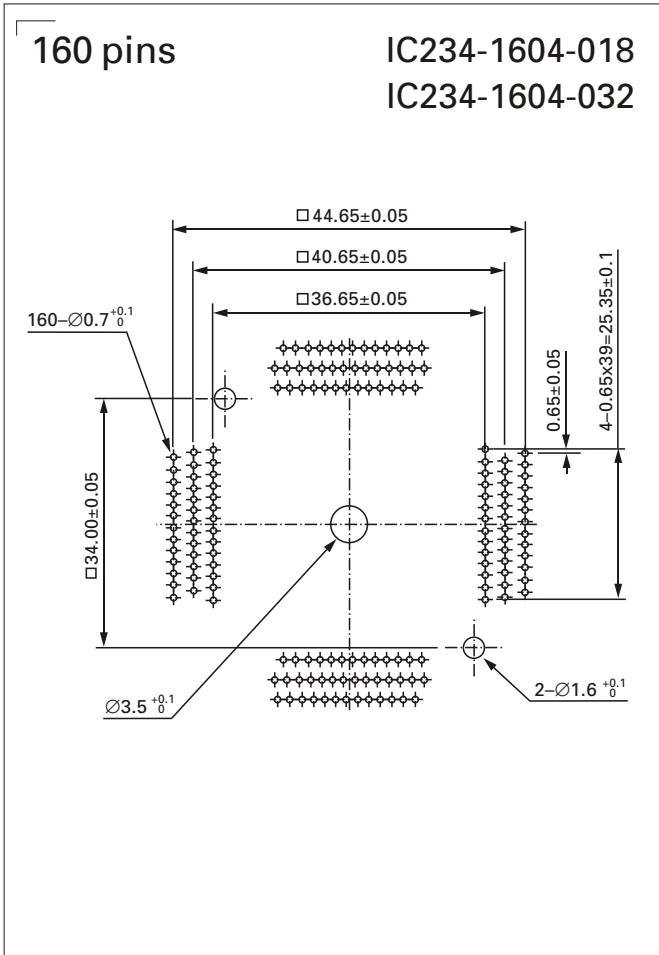
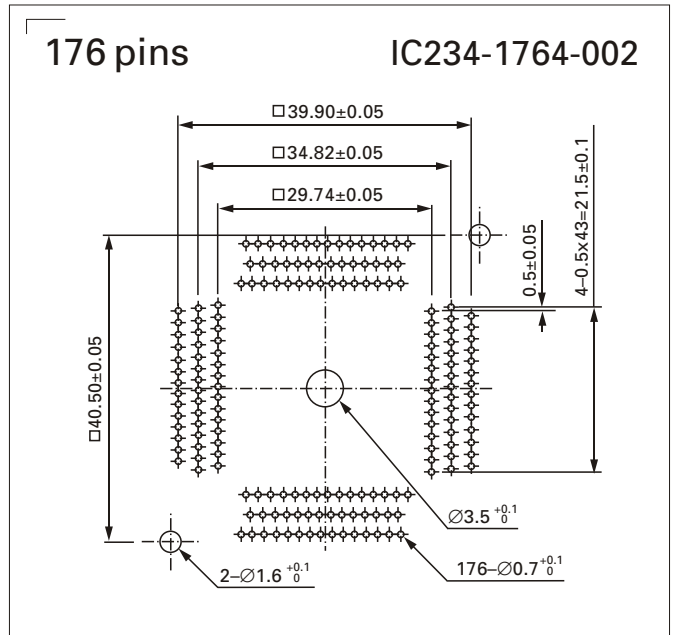
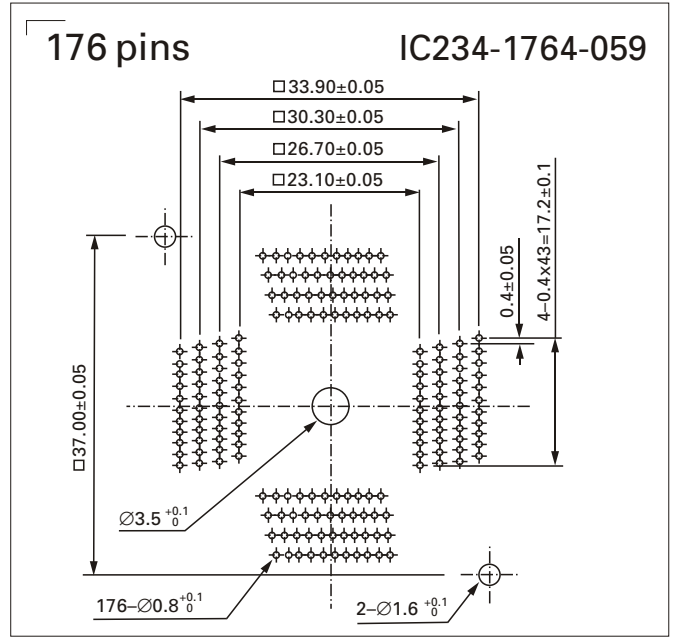
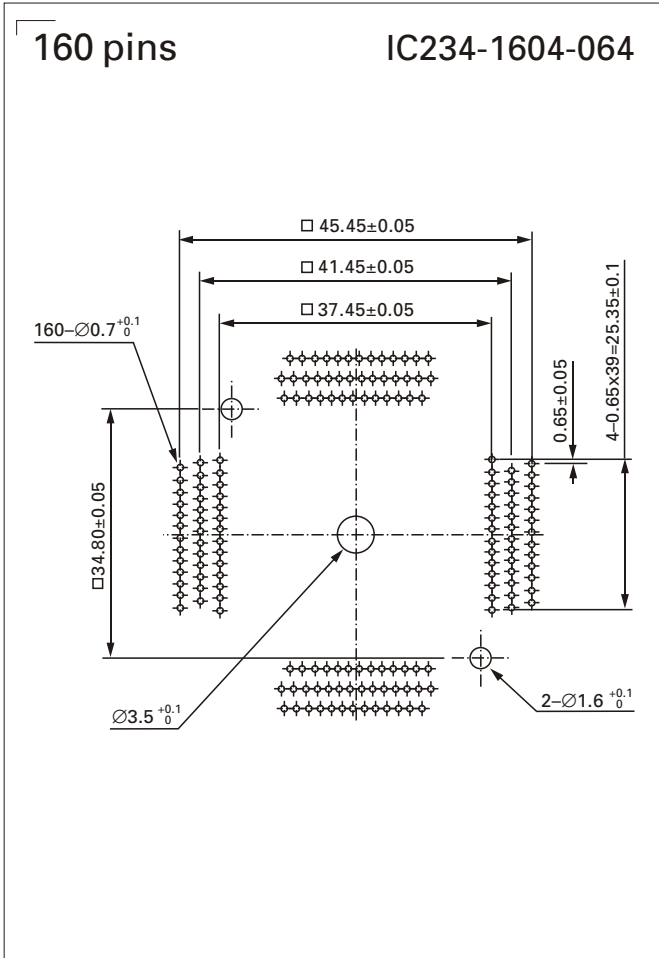
Recommended PCB Layouts

Top View from Socket



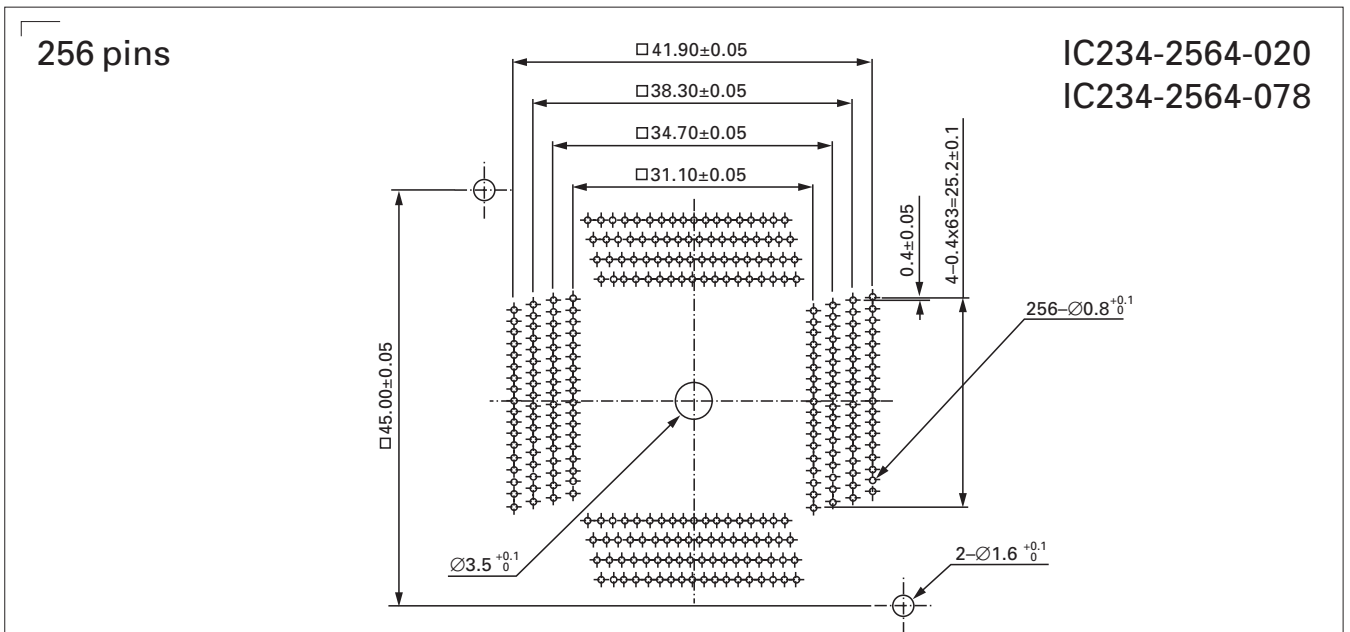
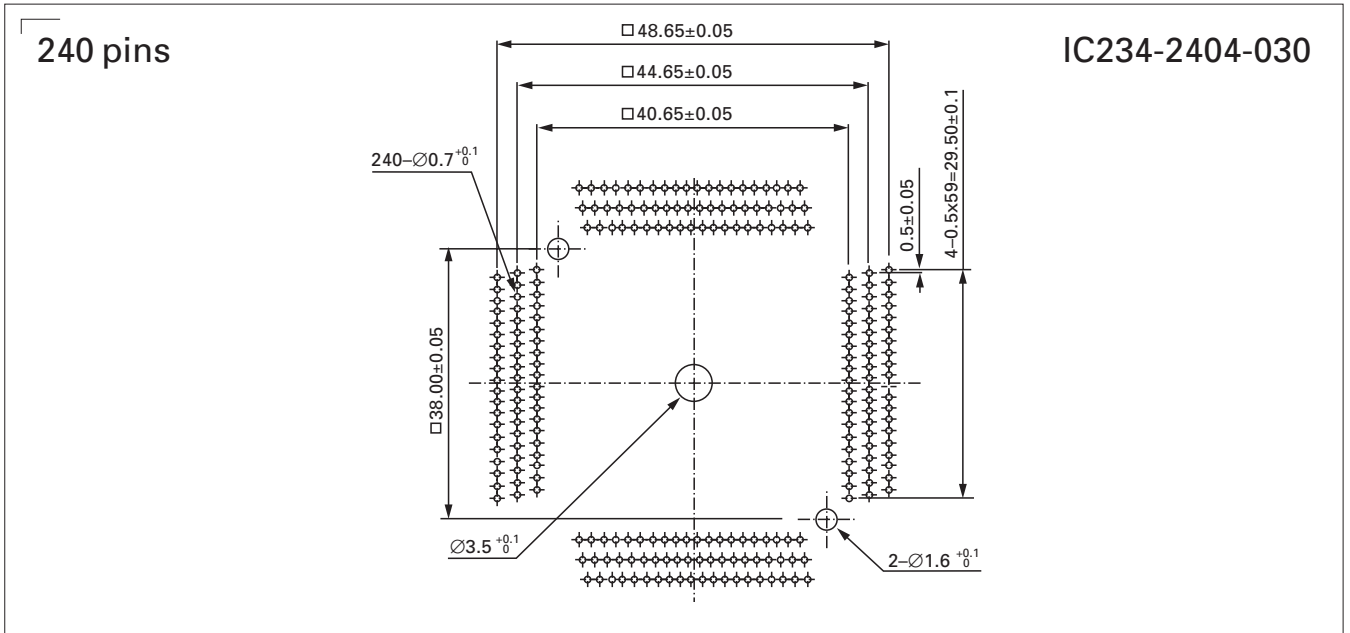
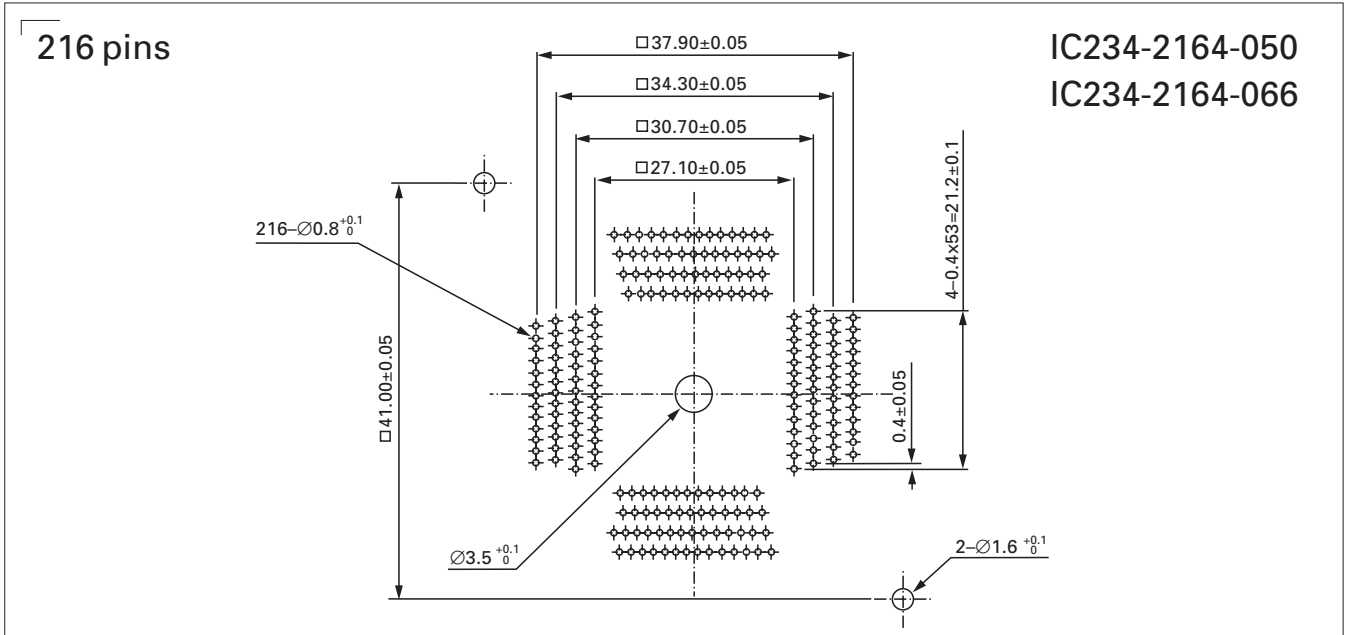
Recommended PCB Layouts

Top View from Socket



Recommended PCB Layouts

Top View from Socket



Quad Flat Packages