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*QFP variations e.g. BQFP...

Series IC51 (Clamshell)
QFP, PQFP, TQFP and MQUAD®

0.4mm to 1.27 Pitch

Specifications

Insulation Resistance:	1,000MΩ min. at 100V DC
Dielectric Withstanding Voltage:	for 1 minute (socket depended)
Contact Resistance:	30mΩ max. at 10mA/20mV max.
Operating Temperature Range:	–40°C to +150°C (for type PEI/PSF) –55°C to +170°C (for type PES) –55°C to +170°C (for type PEI)
Mating Cycles:	10,000 insertions min.

Materials and Finish

Housing: Polysulphone (PSF), glass-filled
Polyethersulphone (PES), glass-filled
Polyetherimide (PEI), glass-filled
Contacts: Beryllium Copper (BeCu)
Plating: Gold over Nickel



Part Number (Details)

IC51 - 064 4 - 807

- Series No.
- No. of Contact Pins
- Number of Sides with Contacts
- Design Number

As specifications for this product differ by pitch and material-mix, please contact our Sales Department for detailed information.

Series IC357 and IC402 (Open Top)
Quad Flat Package (QFP) with 2-Point Contact Type

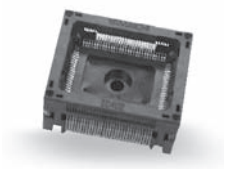
0.4 to 0.8mm Pitch

Specifications

Insulation Resistance:	1,000MΩ min. at 500V DC, pitch 0.4 to 0.8
Dielectric Withstanding Voltage:	100V AC for 1 minute, pitch 0.5 to 0.8
Contact Resistance:	30mΩ max. at 10mA/20mV max.
Operating Temperature Range:	–40°C to +150°C
Mating Cycles:	10,000 insertions min.
Contact Force:	20g to 45g per pin

Materials and Finish

Housing: Polyetherimide (PEI), glass-filled
Polyethersulphone (PES) glass-filled
Contacts: Beryllium Copper (BeCu)
Plating: Gold over Nickel



Part Number (Details)

IC357 - 100 4 - 002 *

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

Series IC234 (Open Top)
Quad Flat Package (QFP) with Shoulder Contact Type

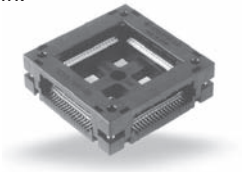
0.4 to 0.8mm Pitch

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
Dielectric Withstanding Voltage:	100V AC for 1 minute pitch 0.4, 0.5 500V AC for 1 minute pitch 0.65 700V AC for 1 minute pitch 0.8
Contact Resistance:	30mΩ max. at 10mA/20mV max.
Operating Temperature Range:	–40°C to +150°C
Contact Force:	20g to 80g per pin
Mating Cycles:	10,000 insertions min.

Materials and Finish

Housing: Polyetherimide (PEI), glass-filled
Polyethersulphone (PES) glass-filled
Contacts: Beryllium Copper (BeCu)
Plating: Gold over Nickel



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 **

** Protection Key: Prevents IC from releasing during transportation

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YAMAICHI ELECTRONICS

Series IC200 / IC201 / IC216 / IC217 / IC218 / IC248 (Open Top) Quad Flat Packages (QFP)

0.4 to 0.8mm Pitch

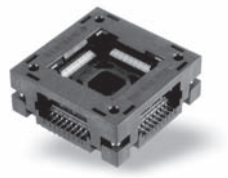
Specifications

Insulation Resistance:	1,000MΩ min. at 500V DC or 1,000MΩ min. at 100V DC
Dielectric Withstanding Voltage:	100/500/700V AC for 1 minute
Contact Resistance:	30mΩ max. at 10mA/20mV max.
Operating Temperature Range:	–40°C to +170°C and –40°C to +150°C
Contact Force:	20g to 80g per pin
Mating Cycles:	10,000 insertions min.

The information above is typical for this Series for individual specifications please contact Yamaichi

Materials and Finish

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



Part Number (Details)

IC200 - 128 4 - 001 * - *

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

**Protection Key: Prevents IC from releasing during transportation

Series IC500 (Open Top) Quad Flat Package (QFP) with 2-Point Contact Type

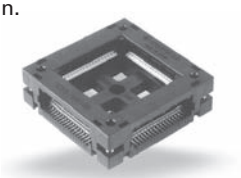
0.5 to 0.8mm Pitch

Specifications

Insulation Resistance:	1,000MΩ min. at 100V DC pitch 0.5 1,000MΩ min. at 500V DC pitch 0.65, 0.8
Dielectric Withstanding Voltage:	100V AC for 1 minute pitch 0.5 500V AC for 1 minute pitch 0.65 700V AC for 1 minute pitch 0.8
Contact Resistance:	30mΩ max. at 10mA/20mV max.
Operating Temperature Range:	–40°C to +150°C
Contact Force:	20g to 80g per pin
Mating Cycles:	10,000 insertions min.

Materials and Finish

Housing: Polyetherimide (PEI), glass-filled
Polyethersulphone (PES) glass-filled
Contacts: Beryllium Copper (BeCu)
Plating: Gold over Nickel

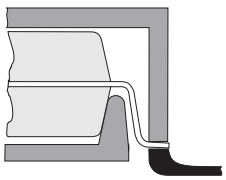


Part Number (Details)

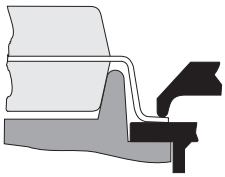
IC500 - 064 4 - 008 *

- 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

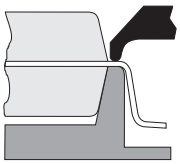
Contact Styles



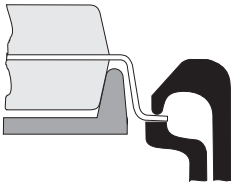
Series IC51



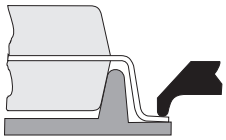
Series IC357



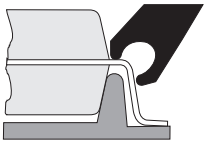
Series IC234



Series IC (kelvin)



Series IC2**

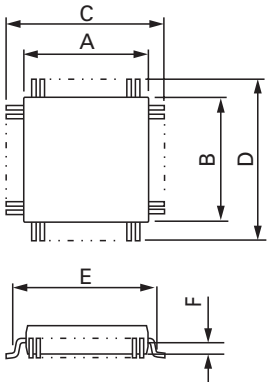


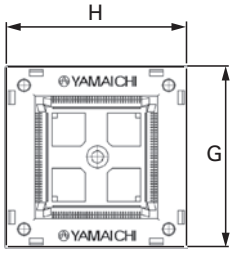
Series IC500

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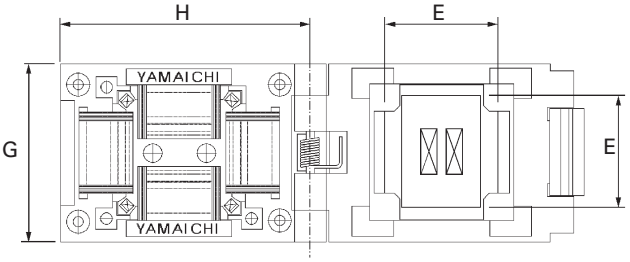
Applicable Dimensions

Outline IC Body Dimensions





Outline Open Top Socket Dimensions



Outline Clamshell Socket Dimensions

0.40mm Pitch

Part Number	Pitch	Pin Count	IC Dimensions				Socket Dimensions G X H	Package Type CL= Clamshell OT = Open Top
			Body A x B	Tip-to-Tip C x D	Parallel Clamp E	1/2 - IC height F		
IC51-0644-1972	0.4	64	7.0 x 7.0	9.0 x 9.0	8.25	-	35.0 x 32.0	CL
IC234-0804-055	0.4	80	10.0 x 10.0	12.0 x 12.0	-	0.7375	30.0 x 30.0	OT
IC234-1004-045	0.4	100	12.0 x 12.0	14.0 x 14.0	-	0.56	35.0 x 32.0	OT
IC51-1004-1919-*	0.4	100	12.0 x 12.0	14.0 x 14.0	13.30	-	36.0 x 42.5	CL
IC234-1204-022 *	0.4	120	14.0 x 14.0	16.0 x 16.0	-	0.762	34.0 x 34.0	OT
IC51-1204-1596	0.4	120	14.0 x 14.0	16.0 x 16.0	15.35	-	36.0 x 42.5	CL
IC51-1204-1812	0.4	120	14.0 x 14.0	16.0 x 16.0	-	-	36.0 x 42.5	CL
IC234-1284-043 *	0.4	128	14.0 x 14.0	16.0 x 16.0	-	0.56	34.0 x 34.0	OT
IC357-1284-056	0.4	128	14.0 x 14.0	16.0 x 16.0	-	0.65	34.0 x 34.0	OT
IC357-1284-076	0.4	128	14.0 x 14.0	16.0 x 16.0	-	0.45	34.0 x 34.0	OT
IC51-1284-1702	0.4	128	14.0 x 14.0	16.0 x 16.0	15.40	-	36.0 x 42.5	CL
IC51-1284-1702-2	0.4	128	14.0 x 14.0	16.0 x 16.0	15.40	-	36.0 x 42.5	CL
IC51-1284-1788	0.4	128	14.0 x 14.0	16.0 x 16.0	15.30	0.70	39.0 x 42.5	CL
IC234-1444-053 *	0.4	144	16,0 x 16,0	18.0 x 18.0	-	0.54	36.0 x 36.0	OT
QFP11T144-001	0.4	144	16.0 x 16.0	18.0 x 18.0	17.20	.	39.0 x 42.5	CL
IC234-1564-038P-2	0.4	156	14.0 x 14.0	16.0 x 16.0	.	0.76	38.0 x 44.0	OT
IC234-1764-059 *	0.4	176	20,0 x 20,0	22.0 x 22.0	.	0.67	40.0 x 40.0	OT
IC51-1764-1995	0.4	176	14.0 x 20.0	22.0 x 22.0	21.30	-	46.0 x 50.0	CL
IC51-1764-1995-6	0.4	176	20.0 x 20.0	22.0 x 22.0	21.20	-	46.0 x 50.0	CL
IC234-2164-050 *	0.4	216	20.0 x 20.0	26.0 x 26.0	-	0.67	44.0 x 44.0	OT
IC234-2164-066-*	0.4	216	20.0 x 20.0	26.0 x 26.0	-	0.67	44.0 x 44.0	OT
IC51-2164-1887	0.4	216	24.0 x 24.0	26.0 x 26.0	25.30	-	50.0 x 48.0	CL
IC51-2164-1887-10	0.4	216	24.0 x 24.0	26.0 x 26.0	25.30	-	50.0 x 48.0	CL
IC234-2564-020 *	0.4	256	24.0 x 24.0	30.0 x 30.0	-	0.67	48.0 x 48.0	OT
IC234-2564-078 *	0.4	256	24.0 x 24.0	30.0 x 30.0	-	0.67	48.0 x 48.0	OT
IC51-2564-1668	0.4	256	28.0 x 28.0	31.2 x 31.2	30.00	-	56.0 x 62.0	CL
IC51-2564-1668-10	0.4	256	28.0 x 28.0	30.0 x 30.0	29.40	-	56.0 x 62.0	CL
IC51-2564-1668-6	0.4	256	27.2 x 27.2	29.8 x 29.8	30.00	-	56.0 x 62.0	CL
IC51-2564-1668-8	0.4	256	28.0 x 28.0	30.6 x 30.6	30.00	-	56.0 x 62.0	CL

0.50mm Pitch

IC51-0324-805	0.5	32	5.0 x 5.0	7.0 x 7.0	6.20	-	28.0 x 31.0	CL
IC234-0484-034 *	0.5	48	7.0 x 7.0	9.0 x 9.0	-	0.47	26.6 x 26.6	OT
IC234-0484-039 *	0.5	48	7.0 x 7.0	9.0 x 9.0	-	0.74	26.6 x 26.6	OT
IC357-0484-078 *	0.5	48	7.0 x 7.0	9.0 x 9.0	-	0.45	22.0 x 22.0	OT
IC51-0484-806	0.5	48	7.0 x 7.0	9.0 x 9.0	8.20	-	29.0 x 32.0	CL
IC51-0484-806-2	0.5	48	7.0 x 7.0	9.0 x 9.0	8.30	-	29.0 x 32.0	CL
IC201-0644-003 *	0.5	64	10.0 x 10.0	12.0 x 12.0	-	0.70	30.0 x 36.0	OT
IC201-0644-040 *	0.5	64	10.0 x 10.0	12.0 x 12.0	-	0.67	28.7 x 28.7	OT
IC234-0644-027 *	0.5	64	10.0 x 10.0	12.0 x 12.0	-	0.66	29.6 x 29.6	OT
IC234-0644-122 *	0.5	64	10.0 x 10.0	12.0 x 12.0	-	0.66	29.6 x 29.6	OT

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0.50mm Pitch *(cont'd)*

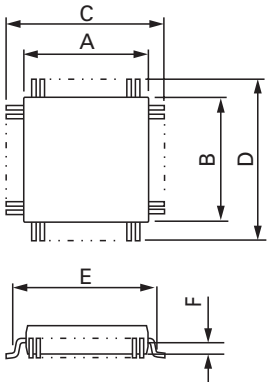
Part Numbers	Pitch	Pin Count	A x B	C x D	E	F	G x H	Type
IC357-0644-068	0.5	64	10.0 x 10.0	12.0 x 12.0	-	0.6375	26.2 x 26.2	OT
IC500-0644-008	0.5	64	10.0 x 10.0	12.0 x 12.0	-	0.67	29.6 x 29.6	OT
IC51-0644-807	0.5	64	10.0 x 10.0	12.0 x 12.0	11.30	-	32.0 x 35.0	CL
IC51-807 AC-15764	0.5	64	10.0 x 10.0	13.2 x 13.2	12.00	-	32.0 x 35.0	CL
IC201-0804-014 *-*	0.5	80	12.0 x 12.0	14.0 x 14.0	-	0.62	29.0 x 29.0	OT
IC234-0804-011 *	0.5	80	12.0 x 12.0	14.0 x 14.0	-	0.45	29.0 x 29.0	OT
IC234-0804-026 *	0.5	80	12.0 x 12.0	14.0 x 14.0	-	0.67	31.6 x 31.6	OT
IC357-0804-074	0.5	80	12.0 x 12.0	14.0 x 14.0	-	0.6375	29.0 x 29.0	OT
IC357-0804-096	0.5	80	12.0 x 12.0	14.0 x 14.0	-	0.6375	29.0 x 29.0	OT
IC51-0804-808	0.5	80	12.0 x 12.0	14.0 x 14.0	13.30	-	34.0 x 37.0	CL
IC51-0804-808-2	0.5	80	12.0 x 12.0	14.0 x 14.0	13.20	-	34.0 x 37.0	CL
IC51-0804-808-4	0.5	80	12.0 x 12.0	14.0 x 14.0	13.40	-	34.0 x 37.0	CL
IC201-1004-008 *-*	0.5	100	14.0 x 14.0	16.0 x 16.0	-	0.60	32.2 x 31.0	OT
IC201-1004-043 *	0.5	100	14.0 x 14.0	16.0 x 16.0	-	0.45	31.0 x 31.0	OT
IC234-1004-023 *	0.5	100	14.0 x 14.0	16.0 x 16.0	-	0.67	33.6 x 33.6	OT
IC357-1004-002	0.5	100	14.0 x 14.0	16.0 x 16.0	-	0.50	31.9 x 31.9	OT
IC357-1004-014	0.5	100	14.0 x 14.0	16.0 x 16.0	-	0.55	31.9 x 31.9	OT
IC357-1004-053	0.5	100	14.0 x 14.0	16.0 x 16.0	-	0.55	31.9 x 31.9	OT
IC402-1004-002*	0.5	100	14.0 x 20.0	16.0 x 22.0	-	0.70	29.8 x 23.8	OT
IC500-1004-004	0.5	100	14.0 x 14.0	16.0 x 16.0	-	0.68	33.6 x 33.6	OT
IC51-1004-809	0.5	100	14.0 x 14.0	16.0 x 16.0	15.30	-	39.0 x 39.0	CL
IC51-1004-809-14	0.5	100	14.0 x 14.0	16.0 x 16.0	15.30	-	39.0 x 39.0	CL
IC51-1004-809-2	0.5	100	14.0 x 14.0	16.0 x 16.0	15.30	-	39.0 x 39.0	CL
IC51-1004-809-6	0.5	100	14.0 x 14.0	16.0 x 16.0	15.30	-	39.0 x 39.0	CL
IC51-809 KS-13929	0.5	100	14.0 x 14.0	17.2 x 17.2	15.90	-	39.0 x 39.0	CL
IC234-1204-058 *	0.5	120	16.0 x 16.0	18.0 x 18.0	--	0.67	35.6 x 35.6	OT
IC51-1204-1652	0.5	120	15.93 x 15.93	17.35 x 17.35	17.60		40.0 x 43.0	CL
IC201-026 KS-13784	0.5	128	20.0 x 20.0	22.0 x 22.0	-	0.69	37.0 x 36.7	OT
IC248-1284-007 *-*	0.5	128	14.0 x 20.0	16.0 x 22.0	-	0.67	37.4 x 43.4	OT
IC357-1284-033*	0.5	128	14.0 x 20.0	22.0 x 22.0	-	1.10	31.0 x 37.0	OT
IC500-1284-007	0.5	128	14.0 x 20.0	16.0 x 22.0	-	0.625	33.6 x 39.6	OT
IC51-1284-1433	0.5	128	14.0 x 20.0	16.0 x 22.0	15.2x21.2	-	46.0 x 43.0	CL
IC51-1284-1433-10	0.5	128	14.0 x 20.0	17.2 x 23.2	16.4x22.4	-	46.0 x 43.0	CL
IC51-1284-1433-19	0.5	128	14.0 x 20.0	17.9 x 23.9	16.4x22.4	-	46.0 x 43.0	CL
IC201-1444-026 *-2	0.5	144	20.0 x 20.0	22.0 x 22.0	-	0.69	37.0 x 37.0	OT
IC201-1444-034 *	0.5	144	20.0 x 20.0	22.0 x 22.0	-	0.65	37.0 x 37.0	OT
IC234-1444-007 *	0.5	144	20.0 x 20.0	22.0 x 22.0	-	-		OT
IC234-1444-016 *	0.5	144	20.0 x 20.0	22.0 x 22.0	-	0.8370	37.0 x 37.0	OT
IC402-1444-003*	0.5	144	20.0 x 20.0	22.0 x 22.0	21.30	0.80	30.0 x 30.0	OT
IC500-1444-002P-2	0.5	144	20.0 x 20.0	22.0 x 22.0		0.68	37.0 x 37.0	OT
IC51-1444-1354	0.5	144	20.0 x 20.0	22.0 x 22.0	21.30	1.00	43.0 x 47.0	CL
IC51-1444-1354-7	0.5	144	20.0 x 20.0	22.0 x 22.0	21.30	0.50	43.0 x 47.0	CL
IC51-1604-1350	0.5	160	24.0 x 24.0	26.0 x 26.0	25.30	-	46.0 x 50.0	CL
IC201-1764-033	0.5	176	24.0 x 24.0	26.0 x 26.0	-	0.67	40.0 x 46.0	OT
IC234-1764-002 *	0.5	176	24.0 x 24.0	26.0 x 26.0	-	1.00	46.0 x 46.0	OT
IC234-1764-005 *	0.5	176	24.0 x 24.0	26.0 x 26.0	-	1.00	46.0 x 46.0	OT
IC234-1764-121 *	0.5	176	24.0 x 24.0	26.0 x 26.0	-	1.00	40.0 x 46.0	OT
IC357-1764-061	0.5	176	24.0 x 24.0	26.0 x 24.0	-	0.615	41.0 x 41.0	OT
IC357-1764-081	0.5	176	24.0 x 24.0	26.0 x 24.0	-	0.6375	36.0 x 36.0	OT
IC357-1764-087	0.5	176	24.0 x 24.0	26.0 x 24.0	-	0.735	41.0 x 41.0	OT
IC357-1764-094	0.5	176	24.0 x 24.0	26.0 x 24.0	-	0.735	41.0 x 41.0	OT
IC51-1764-1505	0.5	176	24.0 x 24.0	26.0 x 26.0	25.30	0.90	46.0 x 50.0	CL
IC51-1764-1505-10	0.5	176	24.0 x 24.0	26.0 x 26.0	25.30	0.50	46.0 x 50.0	CL
IC51-1764-1505-5	0.5	176	24.0 x 24.0	26.0 x 26.0	25.30	0.50	46.0 x 50.0	CL
IC200-2084-009 *-*	0.5	208	28.0 x 28.0	31.2 x 31.2	-	1.40	51.2 x 52.2	OT
IC200-2084-010 *-*	0.5	208	28.0 x 28.0	30.6 x 30.6	-	1.40	50.6 x 50.6	OT
IC201-2084-001 *-*	0.5	208	28.0 x 28.0	30.0 x 30.0	-	1.50	45.0 x 45.0	OT
IC201-2084-029 *	0.5	208	28.0 x 28.0	30.6 x 30.6	-	1.67	45.6 x 45.6	OT
IC201-2084-096	0.5	208	28.0 x 28.0	30.0 x 30.0	-	0.55	45.0 x 45.0	OT
IC357-2084-019P-2	0.5	208	28.0 x 28.0	30.6 x 30.6	-	-	45.6 x 45.6	OT

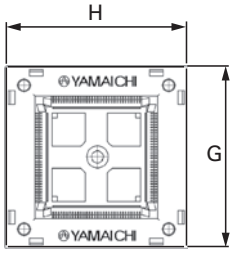
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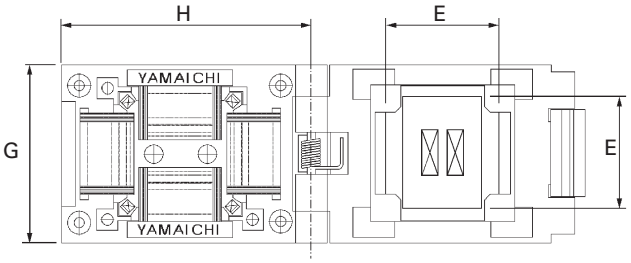
Applicable Dimensions

Outline IC Body Dimensions





Outline Open Top Socket Dimensions



Outline Clamshell Socket Dimensions

0.50mm Pitch (continued

Part Number	Pitch	Pin Count	IC Dimensions				Socket Dimensions G X H	Package Type CL= Clamshell OT = Open Top
			Body A x B	Tip-to-Tip C x D	Parallel Clamp E	1/2 - IC height F		
IC51-2084-1052-*	0.5	208	28.0 x 28.0	-	-	-	52.0 x 58.0	CL
IC51-2084-1052-1	0.5	208	28.0 x 28.0	30.0 x 30.0	29.30	-	52.0 x 58.0	CL
IC51-2084-1052-13	0.5	208	28.0 x 28.0	30.6 x 30.6	29.70	-	52.0 x 58.0	CL
IC51-2084-1052-35	0.5	208	28.0 x 28.0	31.2 x 31.2	29.95	-	52.0 x 58.0	CL
IC51-2084-1052-36	0.5	208	28.0 x 28.0	30.0 x 30.0	29.30	-	52.0 x 58.0	CL
IC51-2084-1052-9	0.5	208	28.0 x 28.0	30.6 x 30.6	29.70	-	52.0 x 58.0	CL
IC51-2084-1052-55	0.5	208	28.0 x 28.0	30.6 x 30.6	29.95	-	52.0 x 58.0	CL
IC51-2084-1509	0.5	208	27.7 x 27.7	31.2 x 31.2	29.80	-	52.0 x 58.0	CL
IC51-2084-1566	0.5	208	28.0 x 28.0	31.2 x 31.2	30.30	-	52.0 x 58.0	CL
IC217-2404-007 *	0.5	240	32.0 x 32.0	34.6 x 34.6	-	1.75	56.1 x 56.1	OT
IC234-2404-030 *	0.5	240	32.0 x 32.0	34.6 x 34.6	-	2.06	51.6 x 51.6	OT
IC51-2404-1655-2	0.5	240	32.0 x 32.0	34.6 x 34.6	33.80	-	56.0 x 62.0	CL
IC201-2564-002 *-*-2	0.5	256	28.0 x 40.0	30.6 x 40.6	-	1.50	45.6 x 57.6	OT
IC51-2724-1727	0.5	272	35.9 x 35.9	37.4 x 37.4	37.60	-	58.0 x 72.0	CL
IC201-3044-004	0.5	304	40.0 x 40.0	42.6 x 42.6	-	1.50	57.6 x 57.6	OT
IC51-3044-1471-2	0.5	304	39.95 x 39.95	42.6 x 42.6	41.90	-	66.0 x 72.0	CL
IC51-3044-1471-5	0.5	304	39.64 x 39.64	42.6 x 42.6	41.90	-	66.0 x 72.0	CL

0.635mm Pitch

IC51-1004-827	0.635	100	22.86 x 22x86	22.35 x 22.35	-	-	47.5 x 34.0	OT
IC211-1324-002 *-*	0.635	132	24.10 x 24.10	28.0 x 28.0	-	-	47.4 x 47.4	OT
IC51-1324-828	0.635	132	27.94 x 27.94	27.43 x 27.43	-	-	53.5 x 40.0	OT
IC51-1964-1952	0.635	196	34.29 x 34.29	58.0 x 58.0	-	-	70.0 x 83.0	OT

0.65mm Pitch

IC51-0484-652	0.65	48	6.0 x 9.0	7.4 x 8.8	7.00	-	34.0 x 34.5	CL
QFP11T052-004 A102221*	0.65	52	10.0 x 10.0	13.2 x 13.2	13.30	-	34.0 x 37.0	CL
IC234-0564-084 *	0.65	56	10.0 x 10.0	12.8 x 12.8	-	1.50	29.3 x 29.3	OT
IC51-0564-680	0.65	56	10.0 x 10.0	13.2 x 13.2	11.80	-	34.0 x 35.5	CL
IC357-0644-077	0.65	64	12.0 x 12.0	14.0 x 14.0	-	0.6375	29.0 x 29.0	OT
IC51-0644-1586	0.65	64	12.0 x 12.0	15.3 x 15.3	13.90	-	36.0 x 39.0	CL
IC51-0644-1602	0.65	64	12.0 x 12.0	14.0 x 14.0	13.10	-	20.0 x 42.0	CL
IC51-0684-734	0.65	68	10.0 x 14.0	13.2 x 17.2	11.80 x 15.80	-	37.0 x 41.0	CL
IC201-0804-005 *-*	0.65	80	14.0 x 20.0	17.9 x 23.9	-	1.22	32.9 x 38.9	OT
IC201-0804-012 *-*	0.65	80	14.0 x 14.0	17.2 x 17.2	-	0.92	29.2 x 32.2	OT
IC234-0804-019 *	0.65	80	14.0 x 14.0	16.8 x 16.8	-	1.35	32.2 x 32.2	OT
IC357-0804-003	0.65	80	14.0 x 14.0	17.2 x 17.2	-	0.50	31.9 x 31.9	OT

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0.65mm Pitch *(cont'd)*

Part Numbers	Pitch	Pin Count	A x B	C x D	E	F	G x H	Type
IC500-0804-005	0.65	80	14.0 x 14.0	16.0 x 16.0	-	1.07	32.0 x 32.2	OT
IC51-0804-711	0.65	80	14.0 x 14.0	17.2 x 17.2	15.80	-	37.0 x 41.0	CL
IC51-0804-795	0.65	80	14.0 x 14.0	16.0 x 16.0	15.30	-	37.0 x 41.0	CL
IC51-0804-956-2	0.65	80	14.0 x 14.0	17.2 x 17.2	16.40	-	34.0 x 42.5	CL
IC51-795 KS-13930	0.65	80	14.0 x 14.0	17.2 x 17.2	15.90	-	37.0 x 41.0	CL
QFP11T080-008	0.65	80	14.0 x 14.0	16.0 x 16.0	15.30	-	39.0 x 39,5	CL
IC201-1004-016 *-*	0.65	100	14.0 x 20.0	17.9 x 23.9	-	1.28	32.9 x 38.9	OT
IC201-1004-028 *	0.65	100	14.0 x 20.0	17.2 x 23.2	-	1.20	32.2 x 38.2	OT
IC201-1004-050 *	0.65	100	14.0 x 20.0	16.0 x 22.0	-	0.75	31.0 x 37.0	OT
IC234-0644-006 *	0.65	100	14.0 x 20.0	16.0 x 22.0	-	0.875	31.0 x 37.0	OT
IC234-1004-008 *	0.65	100	14.0 x 20.0	18.15 x 24.15	-	1.33	32.2 x 38.2	OT
IC234-1004-009 *	0.65	100	14.0 x 20.0	18.15 x 24.15	-	1.33	32.2 x 38.2	OT
IC234-1004-013 *	0.65	100	14.0 x 20.0	17.2 x 23.2	-	1.35	32.2 x 38.2	OT
IC234-1004-014 *	0.65	100	14.0 x 20.0	16.0 x 22.0	-	0.67	32.2 x 38.2	OT
IC234-1004-015 *	0.65	100	14.0 x 20.0	16.75 x 22.75	-	0.67	32.2 x 38.2	OT
IC234-1004-028 *	0.65	100	14.0 x 20.0	18.4 x 24.4	-	1.33	32.2 x 38.2	OT
IC234-1004-033 *	0.65	100	14.0 x 20.0	17.9 x 23.9	-	1.33	32.2 x 38.2	OT
IC51-1004-814-1	0.65	100	14.0 x 20.0	17.9 x 23.9	17.0 x 23.0	-	34.0 x 42.5	CL
IC51-1004-814-2	0.65	100	14.0 x 20.0	17.2 x 23.2	16.4 x 22.4	-	34.0 x 42.5	CL
IC51-1004-814-6	0.65	100	14.0 x 20.0	17.2 x 23.2	15.8 x 21.8	-	34.0 x 42.5	CL
IC51-1004-814-7	0.65	100	14.0 x 20.0	17.2 x 23.2	16.4 x 22.4	-	34.0 x 42.5	CL
IC51-814 KS-12033	0.65	100	14.0 x 20.0	17.2 x 23.2	16.4 x 22.4	-	34.0 x 42.5	CL
IC234-1124-093 *	0.65	112	24.0 x 24.0	23.2 x 23.2	-	1.30	38.2 x 38.2	OT
IC500-1124-001	0.65	112	20.0 x 20.0	22.0 x 22.0	-	0.68	38.2 x 38.2	OT
IC51-1124-1036-2	0.65	112	20.0 x 20.0	23.2 x 23.2	22.30	-	34.0 x 42.5	CL
IC51-1124-1036-YED	0.65	112	20.0 x 20.0	22.0 x 22.0	21.00	-	34.0 x 42.5	CL
IC201-006 AC-04462	0.65	144	28.0 x 28.0	31.2 x 31.2	-	1.65	46.2 x 46.2	OT
IC51-1444-1014	0.65	144	28.0 x 28.0	31.2 x 31.2	30.40	-	44.0 x 57.0	CL
IC51-1444-1014-3	0.65	144	28.0 x 28.0	31.2 x 31.2	30.40	-	44.0 x 57.0	CL
IC201-1604-006 *-*	0.65	160	28.0 x 28.0	31.2 x 31.2	-	1.65	46.2 x 46.2	OT
IC234-1604-018 *	0.65	160	27.9 x 27.9	32.0 x 32.0	-	1.48	47.6 x 47.6	OT
IC234-1604-032 *	0.65	160	28.0 x 28.0	30.6 x 30.6	-	1.66	47.6 x 47.6	OT
IC51-1604-845-1	0.65	160	28.0 x 28.0	31.6 x 31.6	30.60	-	44.0 x 57.0	CL
IC51-1604-845-2	0.65	160	28.0 x 28.0	31.6 x 31.6	30.60	-	44.0 x 57.0	CL
IC51-1604-845-4	0.65	160	28.0 x 28.0	31.2 x 31.2	30.20	-	44.0 x 57.0	CL
IC51-1604-845-8	0.65	160	28.0 x 28.0	31.2 x 31.2	30.20	-	44.0 x 57.0	CL
IC51-1604-926	0.65	160	29.0 x 29.0	30.2 x 31.4	30.40	-	44.0 x 57.0	CL

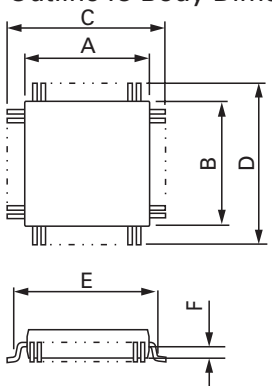
0.80mm Pitch

Part Number	Pitch	Pins	A x B	C x D	E	F	G x H	Type
IC234-0324-044 *	0.8	32	7.0 x 7.0	9.0 x 9.0	-	0.67	26.6 x 26.6	OT
IC51-0324-1498	0.8	32	7.0 x 7.0	9.0 x 9.0	8.4	-	30.0 x 35.5	CL
IC51-0324-354	0.8	32	7.4 x 7.4	9.8 x 9.8	8.4	-	30.0 x 37.5	CL
IC234-0444-037 *	0.8	44	10.0 x 10.0	12.0 x 12.0	-	0.45	29.6 x 29.6	OT
IC234-0444-054 *	0.8	44	9.95 x 9.95	12.8 x 12.8	-	1.35	29.6 x 29.5	OT
IC248-0444-001 *	0.8	44	10.0 x 10.0	13.2 x 13.2	-	0.80	27.0 x 27.0	OT
IC51-0444-1195-3	0.8	44	10.0 x 10.0	12.6 x 12.6	11.5	-	40.0 x 40.0	CL
IC51-0444-467	0.8	44	10.0 x 10.0	13.9 x 13.9	11.5	-	40.0 x 40.0	CL
QFP11T044-001	0.8	44	10.0 x 10.0	12.0 x 12.0	11.3	-	32.0 x 35.0	CL
IC51-0444-798	0.8	44	10.0 x 10.0	13.9 x 13.9	12.9	-	40.0 x 40.0	CL
IC51-0444-825	0.8	44	10.0 x 10.0	12.6 x 12.6	11.8	-	40.0 x 40.0	CL
IC51-467.AC-15687	0.8	44	10.0 x 10.0	12.0 x 12.0	11.6	-	37.5 x 37.5	CL
IC51-467.KS-11787	0.8	44	10.0 x 10.0	12.0 x 12.0	11.6	-	37.5 x 37.5	CL
IC51-467.KS-11247	0.8	44	10.0 x 10.0	13.2 x 13.2	12.1	-	40.0 x 40.0	CL
IC51-081-KS-14028	0.8	48	12.0 x 12.0	15.3 x 15.3	14.0	-	36.0 x 39.0	CL
IC51-0564-924	0.8	56	10.0 x 14.0	13.2 x 1 7.2	11.8 x 15.8	-	37.0 x 41.0	CL

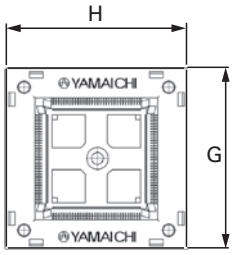
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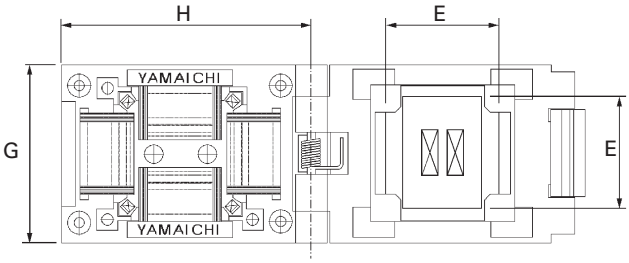
Outline IC Body Dimensions



Applicable Dimensions



Outline Open Top
Socket Dimensions



Outline Clamshell
Socket Dimensions

0.80mm Pitch *(cont'd)*

Part Number	Pitch	Pin Count	IC Dimensions				Socket Dimensions G X H	Package Type CL= Clamshell OT = Open Top
			Body A x B	Tip-to-Tip C x D	Parallel Clamp E	1/2 - IC height F		
IC51-0604-361	0.8	60	16.0 x 16.0	18.3 x 18.3	16.5	-	37.0 x 44.0	CL
IC51-0604-468	0.8	60	14.0 x 14.0	17.2 x 17.2	15.8	-	38.0 x 43.0	CL
IC234-0644-024 *	0.8	64	14.0 x 14.0	16.8 x 16.8	-	1.40	32.2 x 32.2	OT
IC51-0644-1240-2	0.8	64	14.0 x 14.0	16.5 x 16.5	15.0	-	42.5 x 34.0	CL
IC51-0644-692-*	0.8	64	14.0 x 14.0	-	-	-	22.0 x 26.0	CL
IC51-0644-824-1	0.8	64	14.0 x 14.0	17.2 x 17.2	15.8	-	30.0 x 42.5	CL
IC51-0644-824-2	0.8	64	14.0 x 14.0	17.9 x 17.9	16.7	-	30.0 x4 2.5	CL
IC51-0644-824-3	0.8	64	14.0 x 14.0	16.2 x 16.2	15.4	-	30.0 x4 2.5	CL
IC51-0644-824-5	0.8	64	14.0 x 14.0	16.0 x 16.0	15.2	-	30.0 x 42.5	CL
IC218-0724-001 *-*	0.8	72	13.2 x 18.0	18.8 x 23.6	-	0.90	31.8 x 36.6	OT
IC51-0724-698	0.8	72	16.0 x 20.0	18.2 x 23.1	16.6 x 21.5	-	36.0 x 44.5	CL
IC201-0804-032 *	0.8	80	14.0 x 20.0	17.2 x 23.2	-	-	38.2 x 38.2	OT
IC218-0804-002 *-*	0.8	80	14.0 x 20.0	19.2 x 25.2		0.95	31.0 x 38.2	OT
IC218-0804-007 *	0.8	80	14.0 x 14.0	16.0 x 16.0	-	-	32.2 x 29.2	OT
IC234-0804-001 *	0.8	80	14.0 x 20.0	19.1 x 25.1	-	1.60	32.2 x 32.2	OT
IC51-0804-819-1	0.8	80	14.0 x 20.0	17.9 x 23.9	16.9 x 22.9	-	34.0 x 42.5	CL
IC51-0804-819-2	0.8	80	14.0 x 20.0	17.6 x 23.6	16.3 x 22.3	-	34.0 x 42.5	CL
IC51-0804-819-6	0.8	80	14.0 x 20.0	16.8 x 22.8	15.6 x 21.6	-	34.0 x 42.5	CL
IC51-0804-819-8	0.8	80	14.0 x 20.0	17.2 x 23.8	16.9 x 22.9	-	24.0 x 42.5	CL
IC51-819.KS-12720	0.8	80	14.0 x 20.0	17.2 x 23.2	16.0 x 22.0		34.0 x 42.5	CL
IC234-1204-017 *	0.8	120	28.0 x 28.0	31.2 x 31.2	-	1.70	46.2 x 46.2	OT
IC234-1204-065 *	0.8	120	28.0 x 28.0	32.8 x 32.8	-	1.63	48.4 x 48.4	OT
IC51-1204-1497	0.8	120	28.0 x 28.0	29.7 x 29.7	30.5	-	60.0 x 58.0	CL
IC51-1204-1646	0.8	120	28.0 x 28.0	31.2 x 31.2	30.8	-	57.0 x 30.6	CL
IC200-1284-001 *-*	0.8	128	28.0 x 28.0	32.0 x 32.0	-	1.50	52.0 x 52.0	OT
IC51-1284-844-1	0.8	128	28.0 x 28.0	31.2 x 31.2	30.6	-	44.0 x 57.0	CL
IC234-017 AC-11315	0.8	128	28.0 x 28.0	31.2 x 31.2	-	1.70	34.0 x 34.0	OT
IC51-1284-617	0.8	128	29.0 x 29.0	31.2 x 31.2	30.60	-	44.0 x 57.0	CL
IC51-1284-976-*	0.8	128	28.0 x 28.0	31.2 x 31.2	30.6	-	44.0 x 57.0	CL

1.00mm Pitch

IC51-0444-615	1.0	44	14.0 x 14.0	17.2 x 17.2	15.80		34.0 x 42.5	CL
IC51-0444-621	1.0	44	14.0 x 14.0	17.9 x 17.9	17.00		34.0 x 42.5	CL
IC51-621 KS-8966	1.0	44	14.0 x 14.0	17.9 x 17.9	17.00		34.0 x 42.5	CL
IC51-0604-497-2	1.0	60	16.0 x 20.0	17.9 x 23.9	17.0 x 23.0		34.0 x 42.5	CL
IC201-0644-019 *-*	1.0	64	14.0 x 20.0	17.9 x 23.9		1.22	32.9 x 38.9	OT
IC51-0644-472	1.0	64	14.0 x 20.0	19.6 x 23.6	16.2 x 22.2		34.0 x 42.5	CL
IC51-0644-820-1	1.0	64	14.0 x 20.0	18.7 x 24.7	17.0 x 23.0		32.9 x 38.9	CL
IC51-0644-820-2	1.0	64	14.0 x 20.0	17.6 x 23.6	16.3 x 22.3		34.0 x 42.5	CL
IC51-0644-820-3	1.0	64	14.0 x 20.0	18.0 x 24.0	16.9 x 22.9		34.0 x 42.5	CL
IC51-0644-820-4	1.0	64	14.0 x 20.0	17.2 x 23.2	15.8 x 21.8		34.0 x 42.5	CL
IC51-820-2 KS-9376	1.0	64	14.0 x 20.0	17.2 x 23.2	17.0 x 23.0		34.0 x 42.5	CL

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