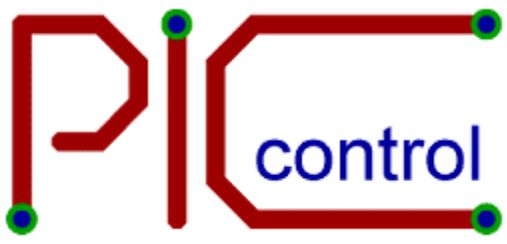
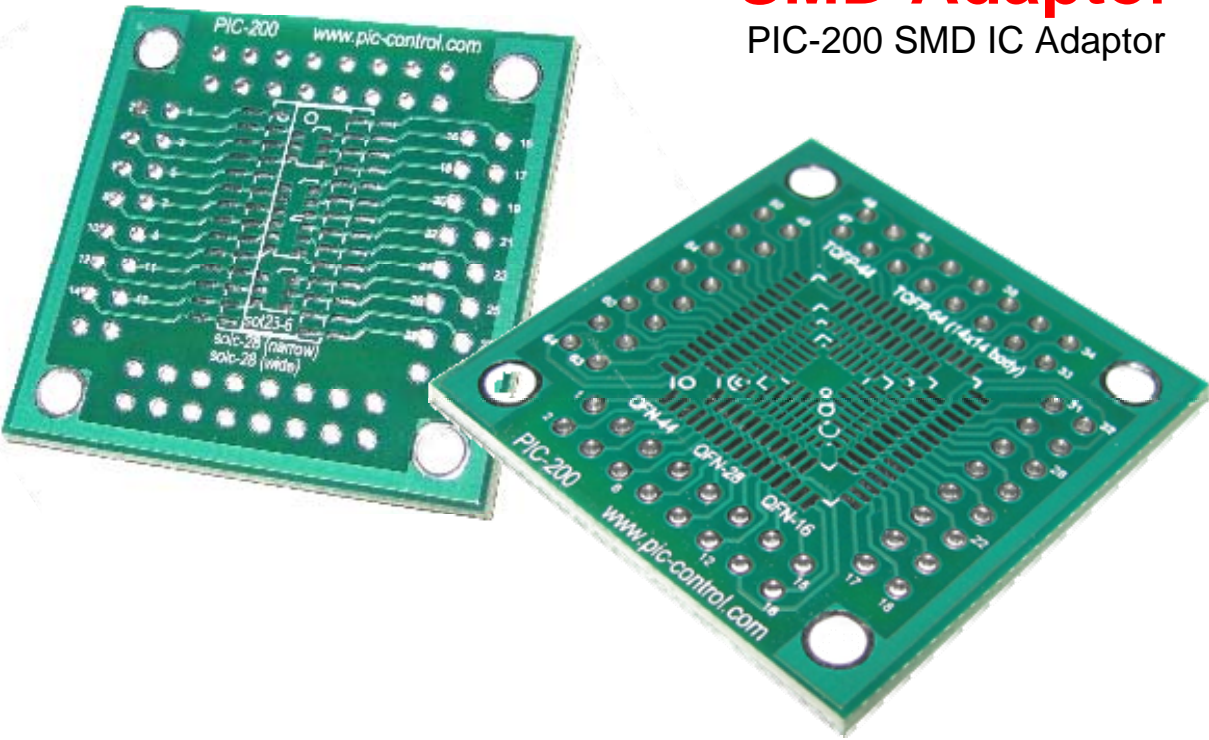


# SMD Adaptor

PIC-200 SMD IC Adaptor

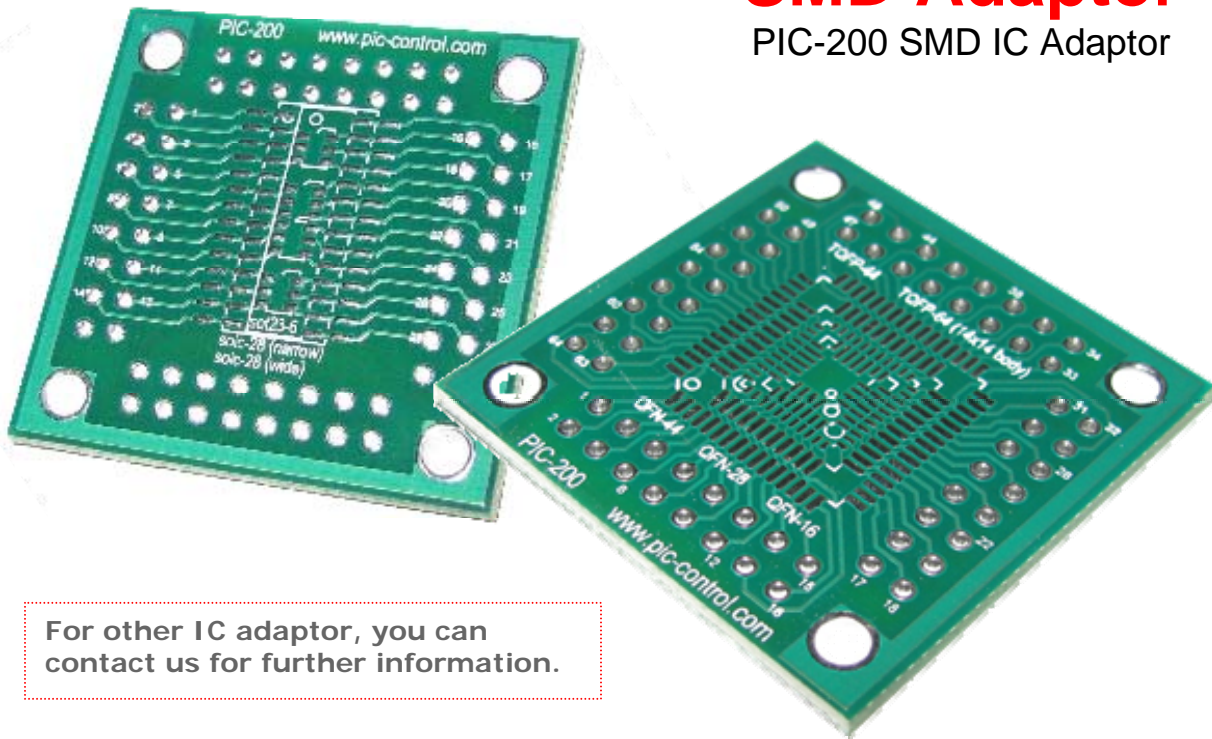


## **Content**

1.	Description .....	3
2.	Features .....	3
3.	Mechanical Dimension .....	4
3.1.	TQFP-44 (10x10x1), 44 pins, pitch 0.8mm .....	6
3.2.	TQFP-64 (14x14x1), 64 pins, pitch 0.8mm .....	6
3.3.	QFN-16, 16 pins, pitch 0.65mm .....	7
3.4.	QFN-28, 28 pins, pitch 0.65mm .....	7
3.5.	QFN-44, 44 pins, pitch 0.65mm .....	8
3.6.	SOIC (wide/narrow), 16, 18, 20, 24, 28 pins, pitch 1.27mm .....	9
3.7.	SOT-23, 3L pins, pitch 0.95mm .....	10
3.8.	SOT-23, 5L pins, pitch 0.95mm .....	10
3.9.	SOT-23, 6L pins, pitch 0.95mm .....	11
3.10.	SOT-23, 12L pins, pitch 0.95mm .....	11
4.	Specifications & Features .....	12

# SMD Adaptor

PIC-200 SMD IC Adaptor



For other IC adaptor, you can contact us for further information.

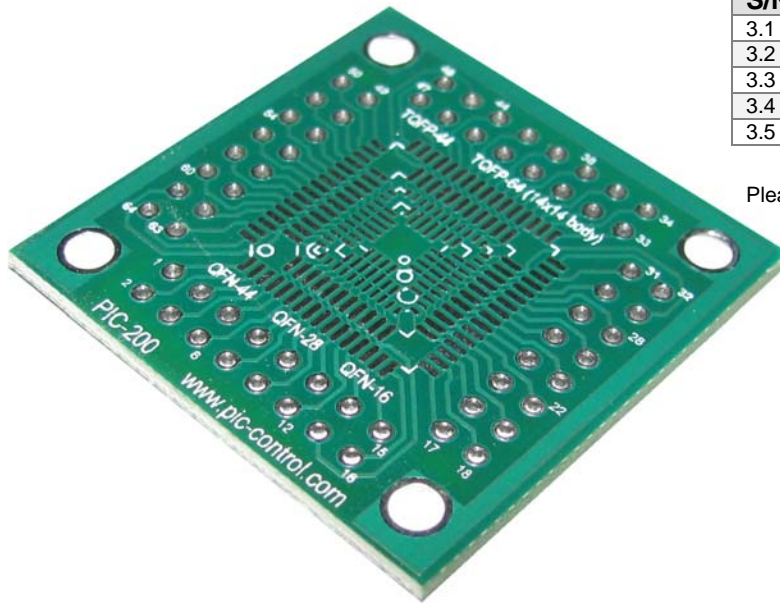
## 1. Description

SMT adaptor for your prototyping needs. The multi-adaptor board footprints are designed for mounting various type of SMD IC component, converting them to a convenient pin spacing of 2.54mm pitch. PIC-200 SMD IC test adaptor is definitely handy for your prototyping needs.

## 2. Features

1. Convert SMD pins to header pins 2.54mm pitch (100mil or 0.1 inch)
2. PCB board size 36mm x 36mm x 1.8mm
3. Soldering pad for
  - TQFP-44 (pitch 0.8mm)
  - TQFP-64 (pitch 0.8mm)
  - QFN 16, QFN 28, QFN 44 (pitch 0.65mm)
  - SOIC (wide), pin 16, 18, 20, 24, 28 (pitch 1.27mm)
  - SOIC (narrow), pin 16, 18, 20, 24, 28 (pitch 1.27mm)
  - SOT-23, pin 3L, 5L, 6L, 12L (pitch 0.95mm)

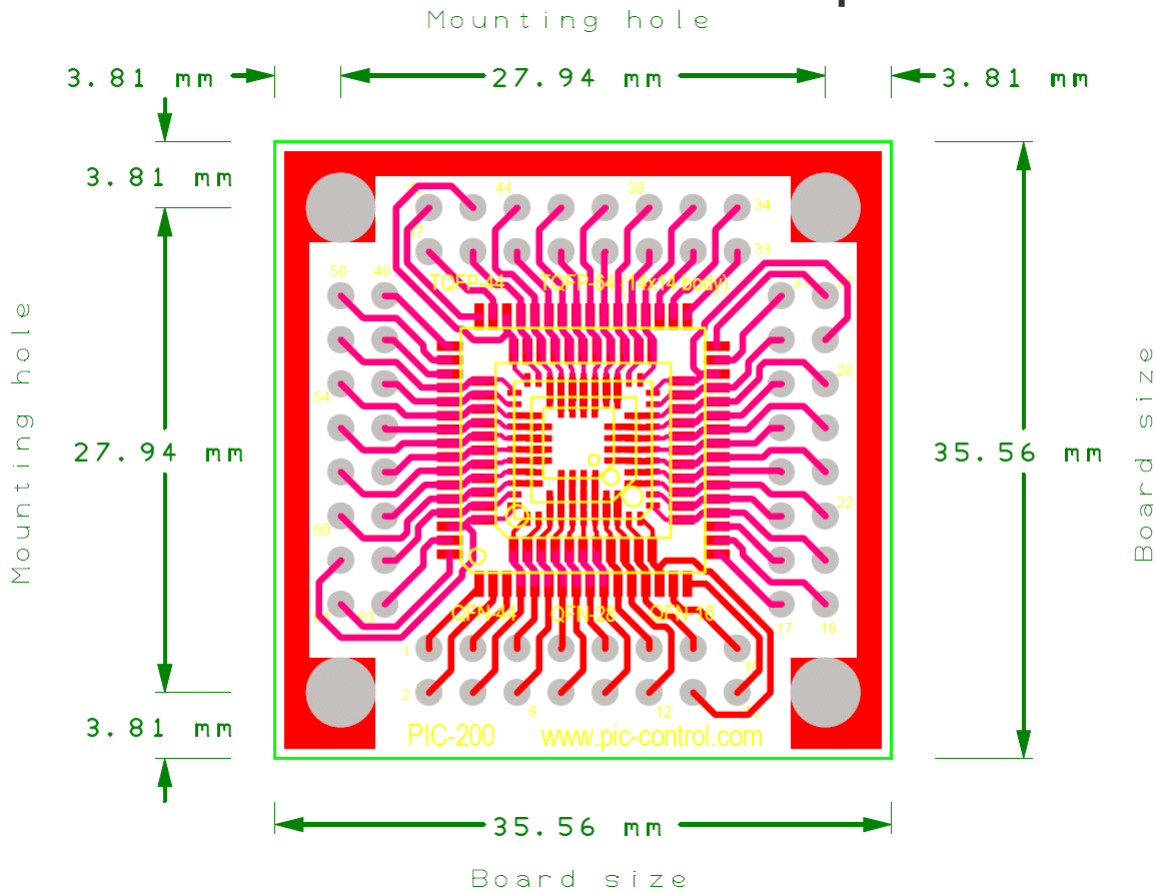
### 3. Mechanical Dimension

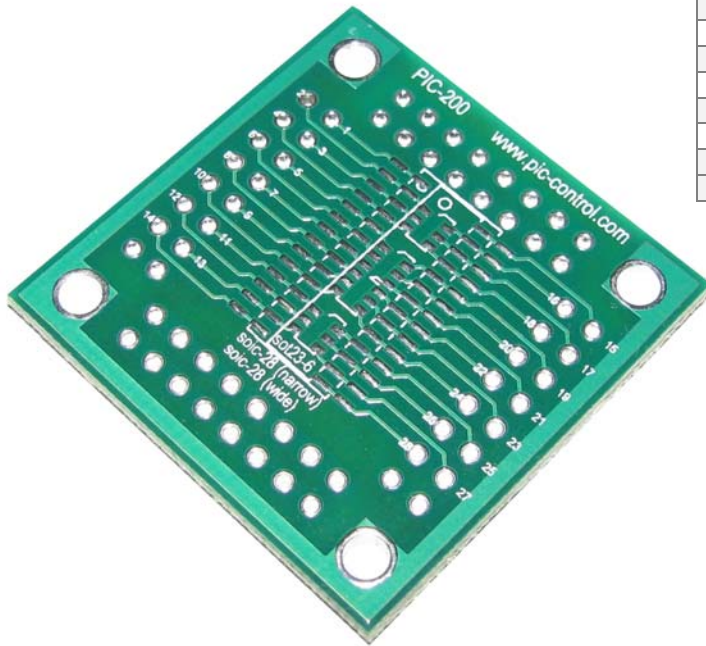


S/N	SMD type	Pin	Pitch
3.1	TQFP-44 (10x10x1)	44	0.8mm
3.2	TQFP-64 (14x14x1)	64	0.8mm
3.3	QFN-16	16	0.65mm
3.4	QFN-28	28	0.65mm
3.5	QFN-44	44	0.65mm

Please refer to the following pages for footprint information.

#### Top Side

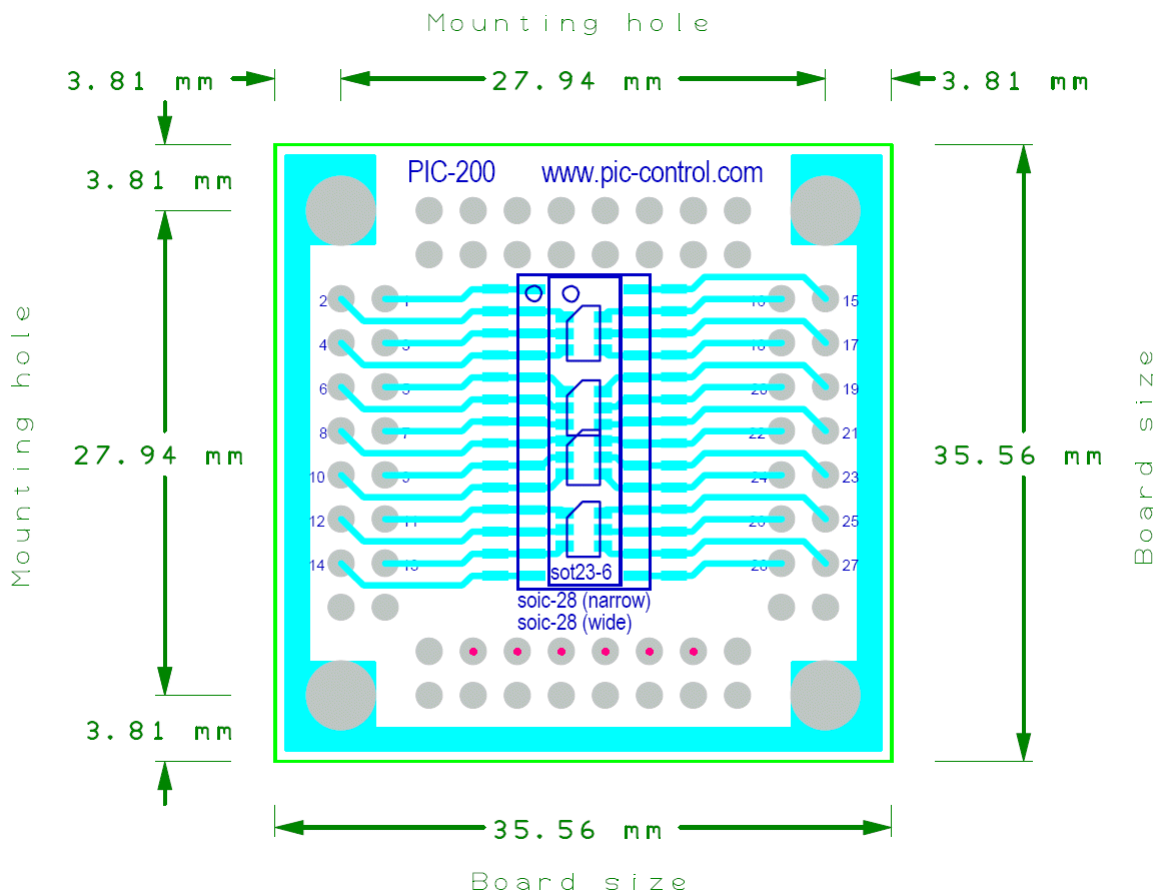




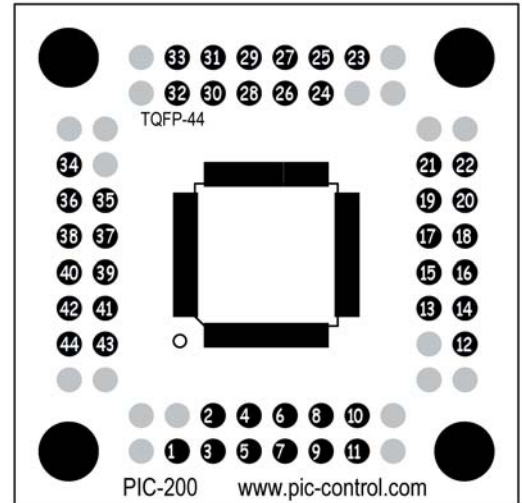
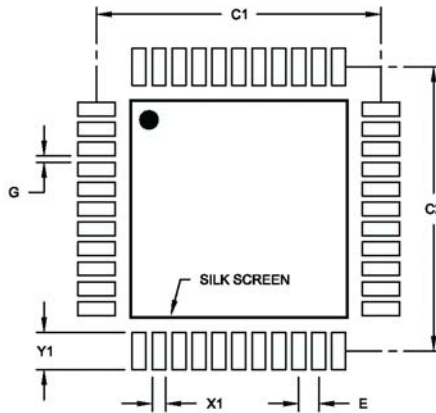
S/N	SMD type	Pin	Pitch
3.6	SOIC (wide/narrow)	16	1.27mm
3.6	SOIC (wide/narrow)	18	1.27mm
3.6	SOIC (wide/narrow)	20	1.27mm
3.6	SOIC (wide/narrow)	24	1.27mm
3.6	SOIC (wide/narrow)	28	1.27mm
3.7	SOT-23	3L	0.95mm
3.8	SOT-23	5L	0.95mm
3.9	SOT-23	6L	0.95mm
3.10	SOT-23	12L	0.95mm

Please refer to the following pages for footprint information.

### Bottom Side



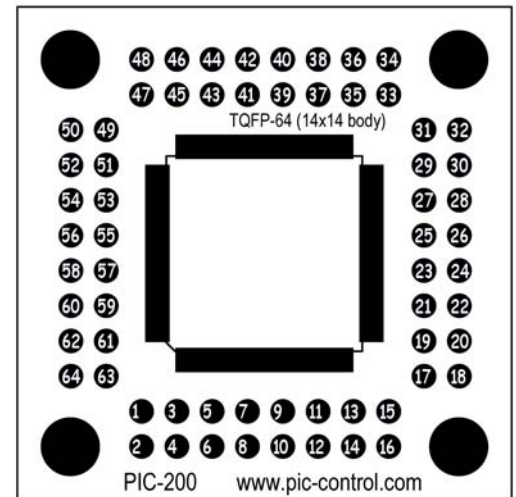
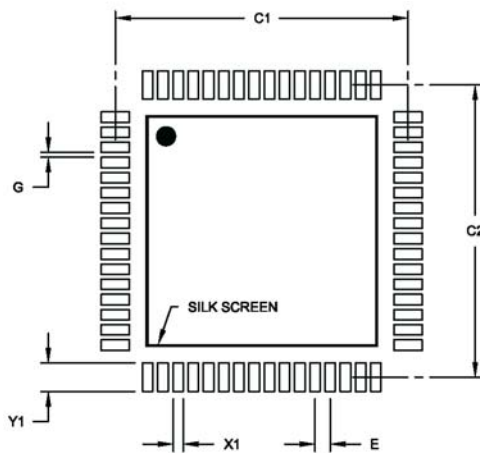
3.1. TQFP-44 (10x10x1), 44 pins, pitch 0.8mm



44-Lead Plastic Thin Quad Flatpack (PF) – 10x10x1mm Body, 2.00mm [TQFP]

S/N	Dimension		Millimeters	Mils
1	Contact pitch	E	0.80	31.5
2	Contact pad spacing	C1	11.40	448.8
3	Contact pad spacing	C2	11.40	448.8
4	Contact pad width (X44)	X1	0.55	21.7
5	Contact pad length (X44)	Y1	1.50	59.1
6	Distance between pads	G	0.25	9.8

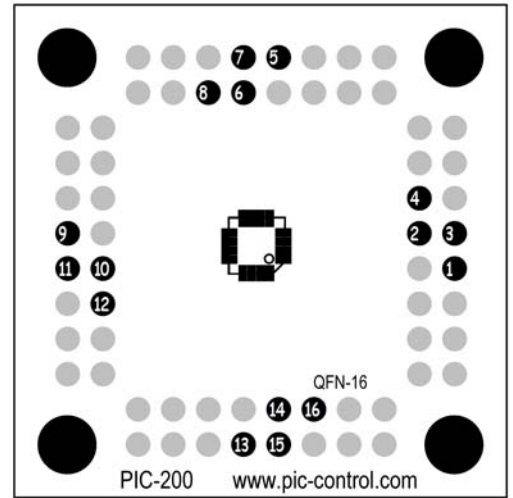
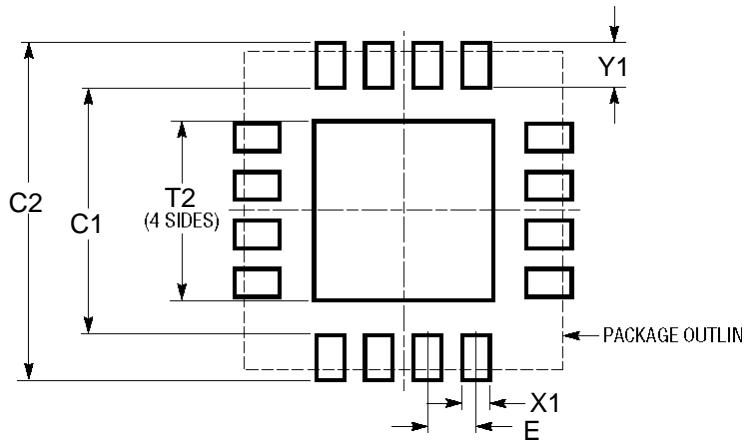
3.2. TQFP-64 (14x14x1), 64 pins, pitch 0.8mm



64-Lead Plastic Thin Quad Flatpack (PF) – 14x14x1mm Body, 2.00mm [TQFP]

S/N	Dimension		Millimeters	Mils
1	Contact pitch	E	0.80	31.5
2	Contact pad spacing	C1	15.40	606.3
3	Contact pad spacing	C2	15.40	606.3
4	Contact pad width (X64)	X1	0.55	21.7
5	Contact pad length (X64)	Y1	1.50	59.1
6	Distance between pads	G	0.25	9.8

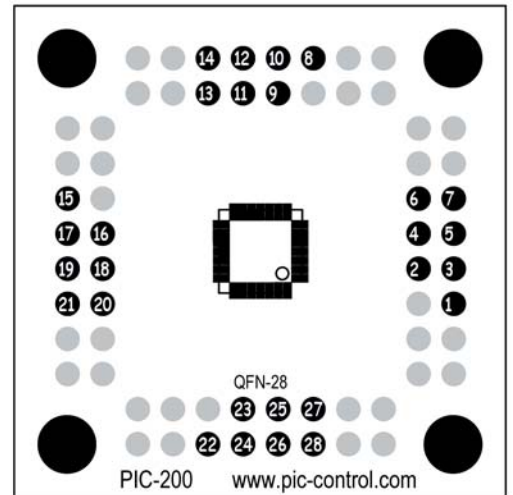
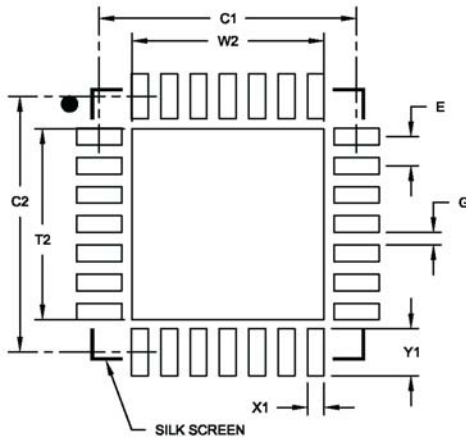
3.3. QFN-16, 16 pins, pitch 0.65mm



16-Lead Plastic Quad Flat, no lead package (ML) – 6x6mm Body [QFN]

S/N	Dimension		Millimeters	Mils
1	Contact pitch	E	0.65	25.6
2	Optional center pad length	T2	2.32	91.3
3	Contact pad spacing	C1	3.00	118.1
4	Contact pad spacing	C2	5.00	196.9
5	Contact pad width (X44)	X1	0.37	14.6
6	Contact pad length (X44)	Y1	1.00	39.4

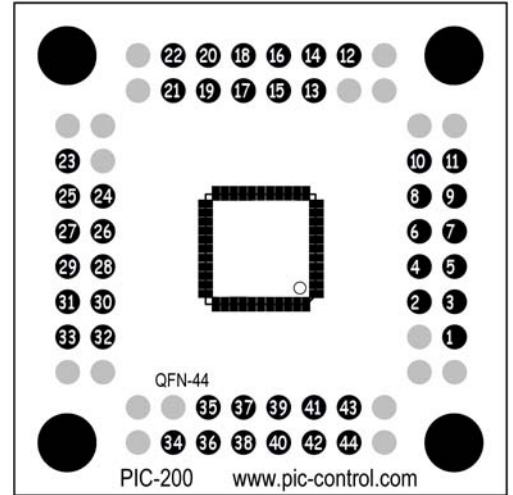
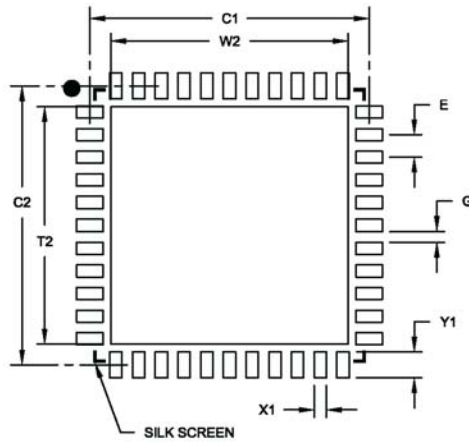
3.4. QFN-28, 28 pins, pitch 0.65mm



28-Lead Plastic Quad Flat, no lead package (ML) – 6x6mm Body [QFN]

S/N	Dimension		Millimeters	Mils
1	Contact pitch	E	0.65	25.6
2	Optional center pad width	W2	4.25	167.3
3	Optional center pad length	T2	4.25	167.3
4	Contact pad spacing	C1	5.70	224.4
5	Contact pad spacing	C2	5.70	224.4
6	Contact pad width (X44)	X1	0.37	14.6
7	Contact pad length (X44)	Y1	1.00	39.4
8	Distance between pads	G	0.28	11.0

3.5. QFN-44, 44 pins, pitch 0.65mm

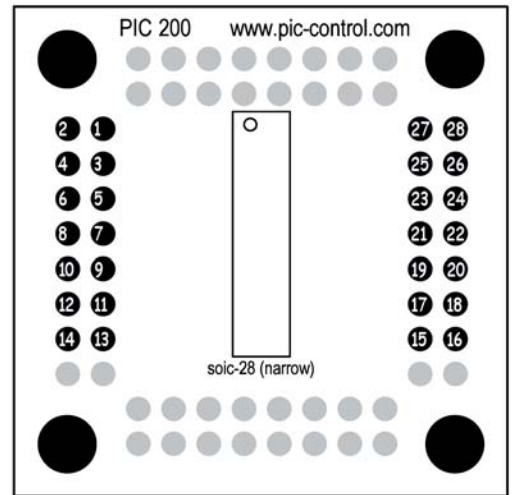
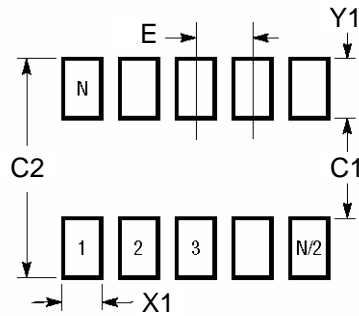


44-Lead Plastic Quad Flat, no lead package (ML) – 8x8mm Body [QFN]

S/N	Dimension		Millimeters	Mils
1	Contact pitch	E	0.65	25.6
2	Optional center pad width	W2	6.80	267.7
3	Optional center pad length	T2	6.80	267.7
4	Contact pad spacing	C1	8.00	315.0
5	Contact pad spacing	C2	8.00	315.0
6	Contact pad width (X44)	X1	0.35	13.8
7	Contact pad length (X44)	Y1	0.80	31.5
8	Distance between pads	G	0.30	11.8

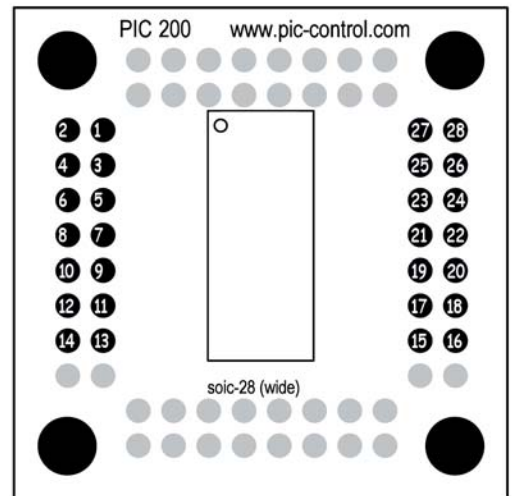
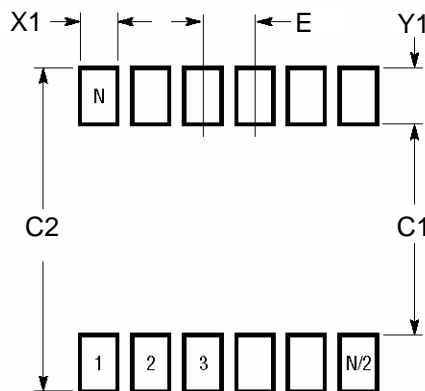


3.6. SOIC (wide/narrow), 16, 18, 20, 24, 28 pins, pitch 1.27mm



Lead Plastic Small Outline (SL) – Narrow, 3.90mm Body [SOIC]

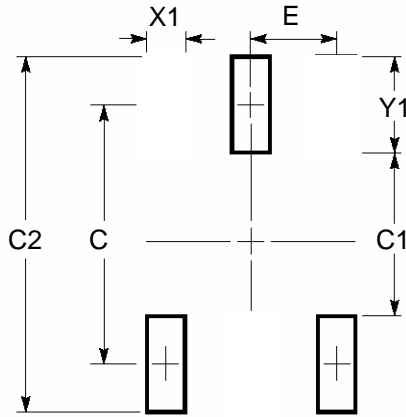
S/N	Dimension		Millimeters	Mils
1	Contact pitch	E	1.27	50
2	Contact pad inner width	C1	6.64	261.4
3	Contact pad outer width	C2	9.64	379.5
4	Contact pad width (X8)	X1	0.55	31.7
5	Contact pad length (X8)	Y1	1.50	59.1



Lead Plastic Small Outline (OI) – Wide, 7.50mm Body [SOIC]

S/N	Dimension		Millimeters	Mils
1	Contact pitch	E	1.27	50
2	Contact pad inner width	C1	8.80	346.5
3	Contact pad outer width	C2	11.80	464.6
4	Contact pad width (X8)	X1	0.55	31.7
5	Contact pad length (X8)	Y1	1.50	59.1

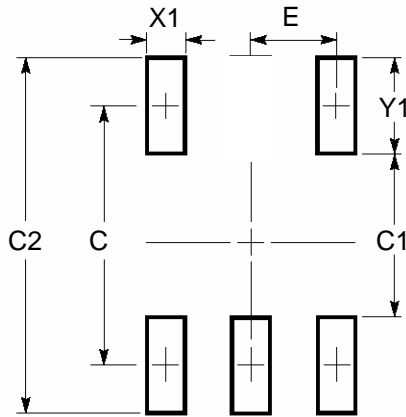
3.7. SOT-23, 3L pins, pitch 0.95mm



SOT-23, 3L

S/N	Dimension		Millimeters	Mils
1	Contact pitch	E	0.95	37.4
2	Contact pad inner width	C	2.20	86.6
3	Contact pad inner width	C1	1.14	44.9
4	Contact pad outer width	C2	3.26	128.3
5	Contact pad width (X8)	X1	0.65	25.6
6	Contact pad length (X8)	Y1	1.06	41.7

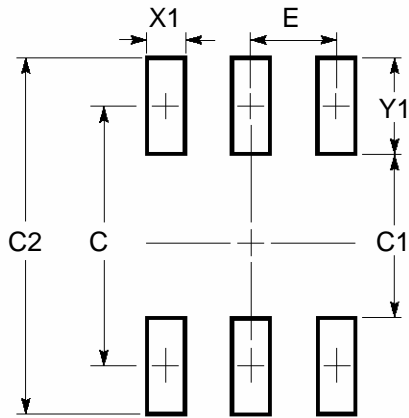
3.8. SOT-23, 5L pins, pitch 0.95mm



SOT-23, 5L

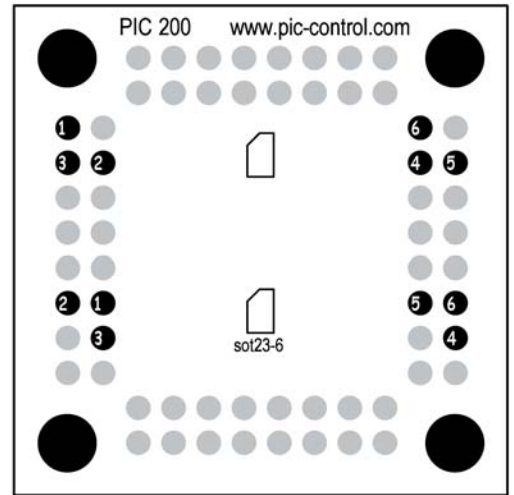
S/N	Dimension		Millimeters	Mils
1	Contact pitch	E	0.95	37.4
2	Contact pad inner width	C	2.20	86.6
3	Contact pad inner width	C1	1.14	44.9
4	Contact pad outer width	C2	3.26	128.3
5	Contact pad width (X8)	X1	0.65	25.6
6	Contact pad length (X8)	Y1	1.06	41.7

3.9. SOT-23, 6L pins, pitch 0.95mm

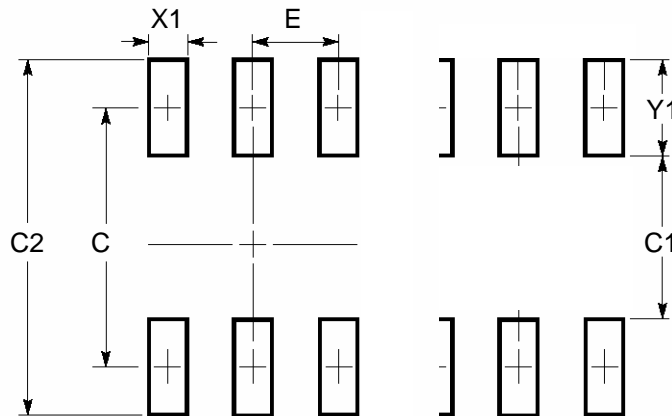


SOT-23, 6L

S/N	Dimension		Millimeters	Mils
1	Contact pitch	E	0.95	37.4
2	Contact pad inner width	C	2.20	86.6
3	Contact pad inner width	C1	1.14	44.9
4	Contact pad outer width	C2	3.26	128.3
5	Contact pad width (X8)	X1	0.65	25.6
6	Contact pad length (X8)	Y1	1.06	41.7

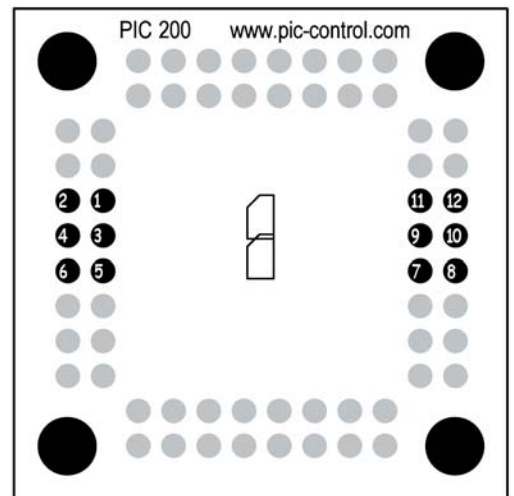


3.10. SOT-23, 12L pins, pitch 0.95mm



SOT-23, 12L

S/N	Dimension		Millimeters	Mils
1	Contact pitch	E	0.95	37.4
2	Contact pad inner width	C	2.20	86.6
3	Contact pad inner width	C1	1.14	44.9
4	Contact pad outer width	C2	3.26	128.3
5	Contact pad width (X8)	X1	0.65	25.6
6	Contact pad length (X8)	Y1	1.06	41.7



## 4. Specifications & Features

**Size** 36 x 36 x 1.8mm, L x W x H ( $\pm 0.5$ mm)

**Weight** 5g ( $\pm 0.5$ g)

### Accessories

Header

Vendor: **Farnell**



Single row vertical header 2.54mm pitch (8 pins) x 8pcs

- Farnell code 329-1728
- Farnell code 511-754
- Farnell code 512-084



Dual row vertical header 2.54mm pitch (16 pins) x 4pcs

- Farnell code 329-1996
- Farnell code 511-821
- Farnell code 512-140
- Farnell code 624-639

Other compatible header 2.54mm pitch

- Farnell code 535-102



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