



Recommended Footprints for SOP/SSOP Series User Guide

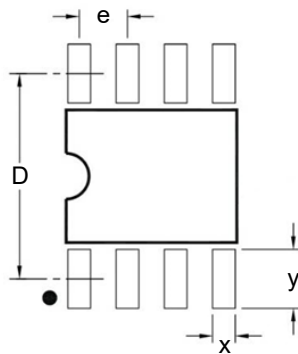
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[**www.holtek.com**](http://www.holtek.com)

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Note that the footprint information provided here is for consultation purpose only. For the most current package drawings, please see the Holtek packaging information located at <http://www.holtek.com.tw>



Footprints for 150mil SOP

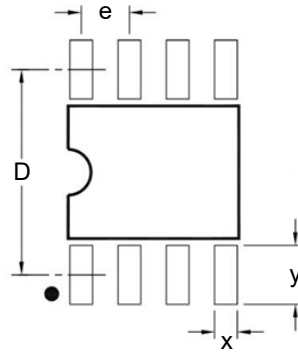
unit: mm	D	e	x			y		
			Min	Typ	Max	Min	Typ	Max
8 SOP	5.40 BSC	1.27 BSC	—	—	0.55	—	1.70	—
10 SOP	5.40 BSC	1.00 BSC	—	—	0.50	—	1.70	—
14 SOP	5.40 BSC	1.27 BSC	—	—	0.55	—	1.70	—
16 NSOP	5.40 BSC	1.27 BSC	—	—	0.55	—	1.70	—
20 NSOP	5.40 BSC	0.80 BSC	—	—	0.35	—	1.70	—

Footprints for 209mil SOP

unit: mm	D	e	x			y		
			Min	Typ	Max	Min	Typ	Max
14 SOP	7.30 BSC	1.27 BSC	—	—	0.55	—	2.00	—

Footprints for 236mil SOP

unit: mm	D	e	x			y		
			Min	Typ	Max	Min	Typ	Max
24 SOP	7.50 BSC	1.00 BSC	—	—	0.55	—	1.50	—



Footprints for 300mil SOP

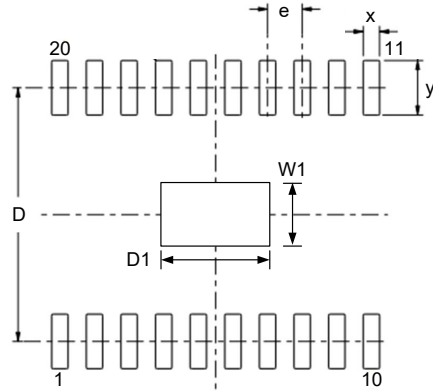
unit: mm	D	e	x			y		
			Min	Typ	Max	Min	Typ	Max
16 SOP	9.50 BSC	1.27 BSC	—	—	0.55	—	2.00	—
18 SOP	9.50 BSC	1.27 BSC	—	—	0.55	—	2.00	—
20 SOP	9.50 BSC	1.27 BSC	—	—	0.55	—	2.00	—
24 SOP	9.50 BSC	1.27 BSC	—	—	0.55	—	2.00	—
28 SOP	9.50 BSC	1.27 BSC	—	—	0.55	—	2.00	—

Footprints for 330mil SOP

unit: mm	D	e	x			y		
			Min	Typ	Max	Min	Typ	Max
28 SOP	10.80 BSC	1.27 BSC	—	—	0.55	—	2.50	—

Footprints for 450mil SOP

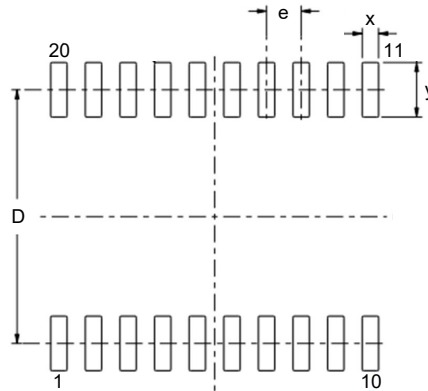
unit: mm	D	e	x			y		
			Min	Typ	Max	Min	Typ	Max
32 SOP	13.60 BSC	1.27 BSC	—	—	0.55	—	2.50	—



Footprints for 150mil SOP(Exposed Pad)

unit: mm	D	e	x			y		
			Min	Typ	Max	Min	Typ	Max
8 SOP	5.40 BSC	1.27 BSC	—	—	0.55	—	1.50	—
10 SOP	5.40 BSC	1.00 BSC	—	—	0.50	—	1.50	—
16 NSOP	5.40 BSC	1.27 BSC	—	—	0.55	—	1.50	—
20 NSOP	5.40 BSC	0.80 BSC	—	—	0.35	—	1.50	—

unit: mm	D1			W1		
	Min	Typ	Max	Min	Typ	Max
8 SOP	—	—	3.00	—	—	2.56
10 SOP	—	—	3.20	—	—	2.28
16 NSOP	—	—	4.72	—	—	2.56
20 NSOP	—	—	3.46	—	—	2.34



Footprints for 150mil SSOP

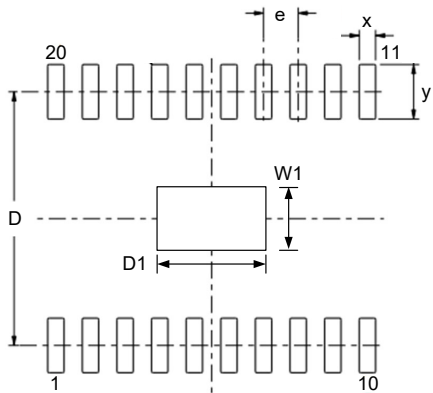
unit: mm	D	e	x			y		
			Min	Typ	Max	Min	Typ	Max
16 SSOP	5.40 BSC	0.635 BSC	—	—	0.35	—	1.50	—
20 SSOP	5.40 BSC	0.635 BSC	—	—	0.35	—	1.50	—
24 SSOP	5.40 BSC	0.635 BSC	—	—	0.35	—	1.50	—
28 SSOP	5.40 BSC	0.635 BSC	—	—	0.35	—	1.50	—

Footprints for 209mil SSOP

unit: mm	D	e	x			y		
			Min	Typ	Max	Min	Typ	Max
16 SSOP	7.30 BSC	0.65 BSC	—	—	0.40	—	2.00	—
20 SSOP	7.30 BSC	0.65 BSC	—	—	0.40	—	2.00	—
24 SSOP	7.30 BSC	0.65 BSC	—	—	0.40	—	2.00	—
28 SSOP	7.30 BSC	0.65 BSC	—	—	0.40	—	2.00	—

Footprints for 300mil SSOP

unit: mm	D	e	x			y		
			Min	Typ	Max	Min	Typ	Max
48 SSOP	9.50 BSC	0.635 BSC	—	—	0.40	—	2.00	—
56 SSOP	9.50 BSC	0.635 BSC	—	—	0.40	—	2.00	—



Footprints for 150mil SSOP (Exposed Pad)

unit: mm	D	e	x			y		
			Min	Typ	Max	Min	Typ	Max
24 SSOP	5.4 BSC	0.635 BSC	—	—	0.35	—	1.50	—

unit: mm	D1			W1		
	Min	Typ	Max	Min	Typ	Max
24 SSOP	—	—	3.71	—	—	2.59

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