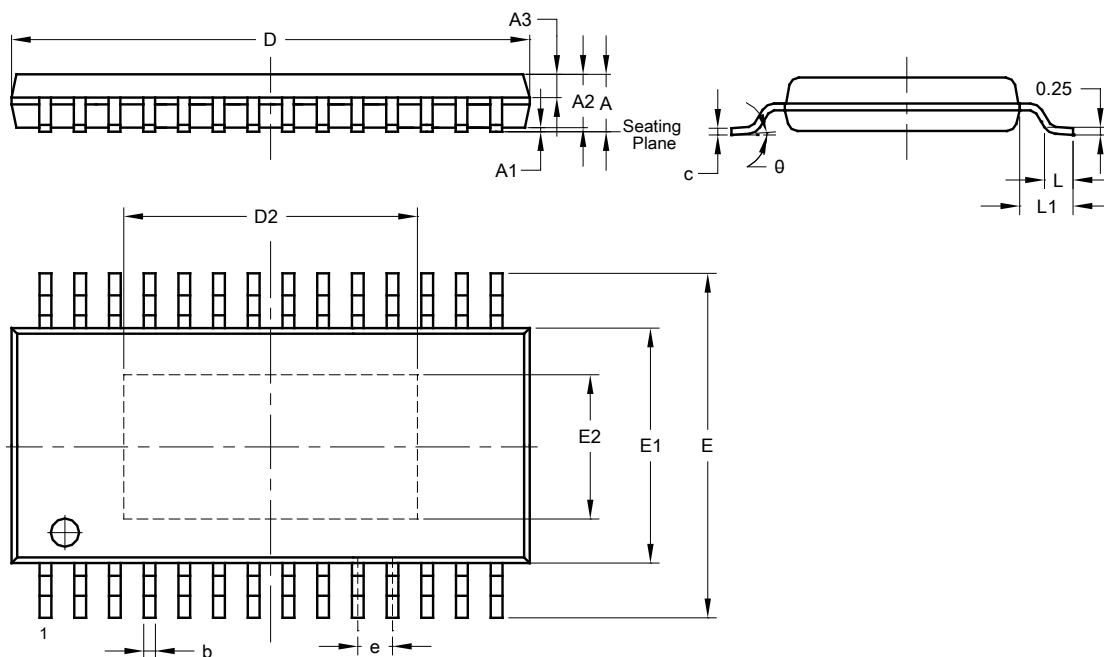


Package Outline Dimensions

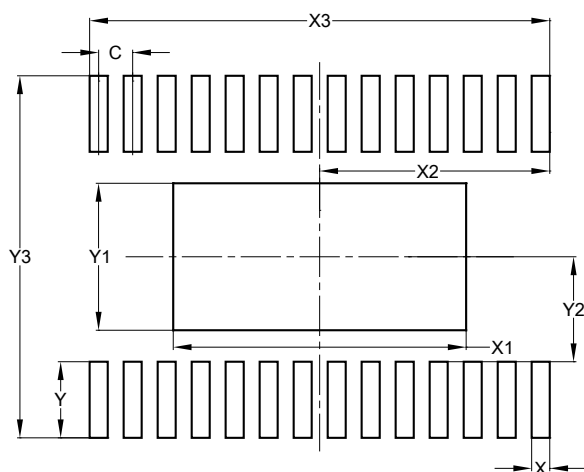
TSSOP-28EP (Type TH-1)



TSSOP-28EP (Type TH-1)			
Dim	Min	Max	Typ
A	--	1.20	--
A1	0.05	0.15	--
A2	0.80	1.00	--
A3	0.39	0.49	0.44
b	0.20	0.29	--
c	0.13	0.18	--
D	9.60	9.80	9.70
D2	5.40	5.60	5.50
E	6.20	6.60	6.40
E1	4.30	4.50	4.40
E2	2.60	2.80	2.70
e	0.65BSC		
L	0.45	0.75	0.60
L1	1.00BSC		
θ	0°	8°	--
All Dimensions in mm			

Suggested Pad Layout

TSSOP-28EP (Type TH-1)



Dimensions	Value (in mm)
C	0.650
X	0.345
X1	5.600
X2	4.398
X3	8.795
Y	1.450
Y1	2.800
Y2	2.000
Y3	6.900

ALL DIMENSIONS ARE NOMINAL VALUES SHOWN IN MILLIMETERS

Note: The suggested land pattern dimensions have been provided for reference only, as actual pad layouts may vary depending on application. These numbers may be modified based on user equipment capability or fabrication criteria. A more robust pattern may be desired for wave soldering and is calculated by adding 0.2 mm to the 'Z' dimension. For further information, please reference document IPC-7351A, Naming Convention for Standard SMT Land Patterns, and for International grid details, please see document IEC, Publication 97.

<p>COSTCO:</p> <ul style="list-style-type: none"> - Profiteroles - Macaroons - Cinnamon - Butter - Eggs - Watermelon - Coconut - Chocolate wafer sticks 	<p>Morrisons:</p> <p>Cheeseboard:</p> <ul style="list-style-type: none"> - Pepperoni - Chorizo - Cheese – black currant / Apricot - Cheese slice normal - Crackers (round / square) - breadsticks - jam
<p>Park Cake:</p> <ul style="list-style-type: none"> - Chocolate Sponge Rolls - Strawberry Sponge Rolls - Brownies - Flapjack 	<p>Morrisons:</p> <p>Others:</p> <ul style="list-style-type: none"> - Condensed milk (6) - Evaporated milk (4) - Fruit cocktail (4) - Pineapple tidbits - Raisins - Mayonnaise - Cheese - Double Cream - Chicken breast - Elbow macaroni - Green pepper - Onions - carrots - Almond chips - White greasing paper - Aluminium foil – round
<p>Morrisons:</p> <p>Fruits:</p> <ul style="list-style-type: none"> - small pineapple (3) - big pineapple (2) - galla (2) - cantaloupe (3) - Grapes (red/green) - Strawberry - Orange (for slice) - Kiwi 	
<p>Things to bring:</p> <ul style="list-style-type: none"> - Serving Spoons (Tongs, pancit ladder) - Serving trays extra - Grazing table tongs, spoon - Grazing table flowers, decors 	

ALL DIMENSIONS ARE NOMINAL VALUES SHOWN IN MILLIMETERS

Note: The suggested land pattern dimensions have been provided for reference only, as actual pad layouts may vary depending on application. These numbers may be modified based on user equipment capability or fabrication criteria. A more robust pattern may be desired for wave soldering and is calculated by adding 0.2 mm to the 'Z' dimension. For further information, please reference document IPC-7351A, Naming Convention for Standard SMT Land Patterns, and for International grid details, please see document IEC, Publication 97.