

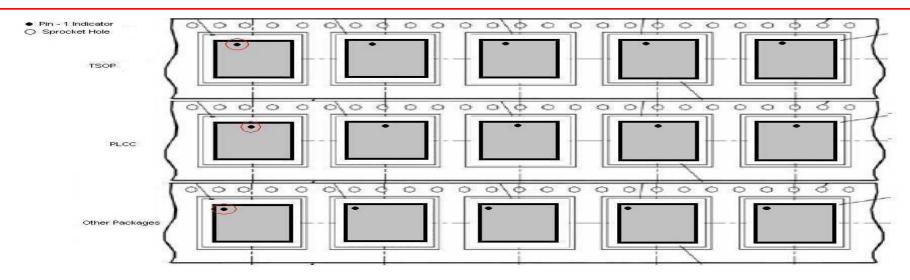


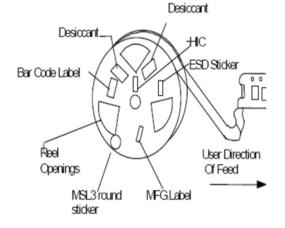
Note:

The diagrams are provided for illustrative purposes only. Please note that the actual unit orientation in carrier may vary depending on package size, type and pin count. Cypress is in compliance with EIA Standard 481. Should you have any other concerns and questions, feel free to contact your local CY sales representative.

Unit Orientation in Tape and Reel







Note:

Circle sprocket hole is used as the pin 1 orientation reference.

Carrier Taped used:

12 mm – 1 sided sprocket hole (with sprocket holes)

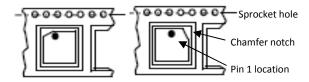
16 mm – 1 sided sprocket hole (with sprocket holes)

24 mm - 1 sided sprocket hole (with sprocket holes)

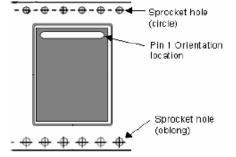
32 mm - 2 sided sprocket hole (with sprocket holes and oblong holes at the other side)

44 mm – 2 sided sprocket hole (with sprocket holes and oblong holes at the other side)

1 sided sprocket hole illustration



2 sided sprocket hole illustration



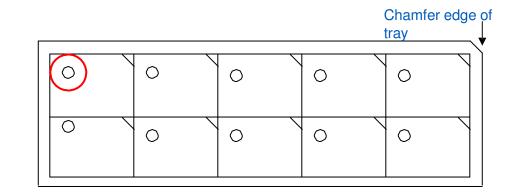
September 2014

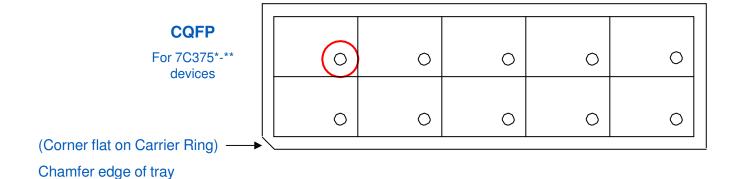
Unit Orientation in Tray



O Pin 1

PGA

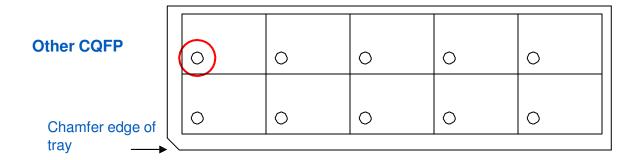


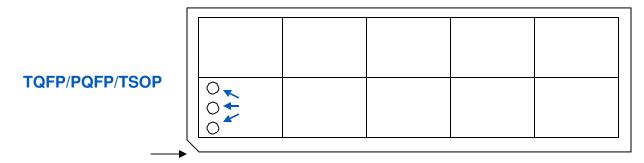


September 2014 3

Unit Orientation in Tray







Corner flat on package same corner flat on tray

Pin-1 location depends on pin count . TSOP's pin 1 package varies according to its pin count. TSOP 44 is on bottom, TSOP 28 / 32 is on middle, and TSOP 48 is the top most part.

Unit Orientation in Tray



MBGA / FBGA /					
TFBGA / LBGA /					
L2BGA / HSBGA /	\bigcirc	0	0	0	0
LFBGA / QFN /					
LQFP	0	0	0	0	0
Chamfer edge of tray					

September 2014

Unit Orientation in Tube



CERQUADS/PLCC

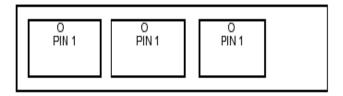
C-DIP/SIDE BRAZE/P-DIP

SOIC/SOJ/SSOP/TSSOP

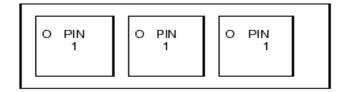
LCC

PGA

O O ← PIN 1



For 32 pin rectangular the orientation is:



Note:

Pin one must be oriented in one direction within a tube regardless of tube mark direction.

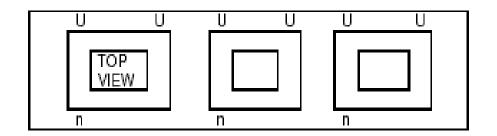
Unit Orientation in Tube



CERPACKS/FLATPACKS/CQFP

TWO NOTCH SIDE

ONE NOTCH SIDE



Note:

Single notch side of carrier must be oriented in one direction within a tube regardless of tube mark direction.

September 2014