

**Order Number(s):**

ORDERING NUMBER	PACKAGE	FEATURES
CAP1014-1-EZK-TR	32-pin QFN 5mm x 5mm (Lead Free RoHS compliant)	14 Capacitive Touch Sensors, 11 LED drivers. Lid Closure. SMBus address 0101_000b
CAP1014-2-EZK-TR	32-pin QFN 5mm x 5mm (Lead Free RoHS compliant)	14 Capacitive Touch Sensors, 11 LED drivers. Lid Closure. SMBus address 0101_100b

**Reel Size is 4,000 pieces**
**This product meets the halogen maximum concentration values per IEC61249-2-21**
**For RoHS compliance and environmental information, please visit [www.smssc.com/rohs](http://www.smssc.com/rohs)**


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## Package Information

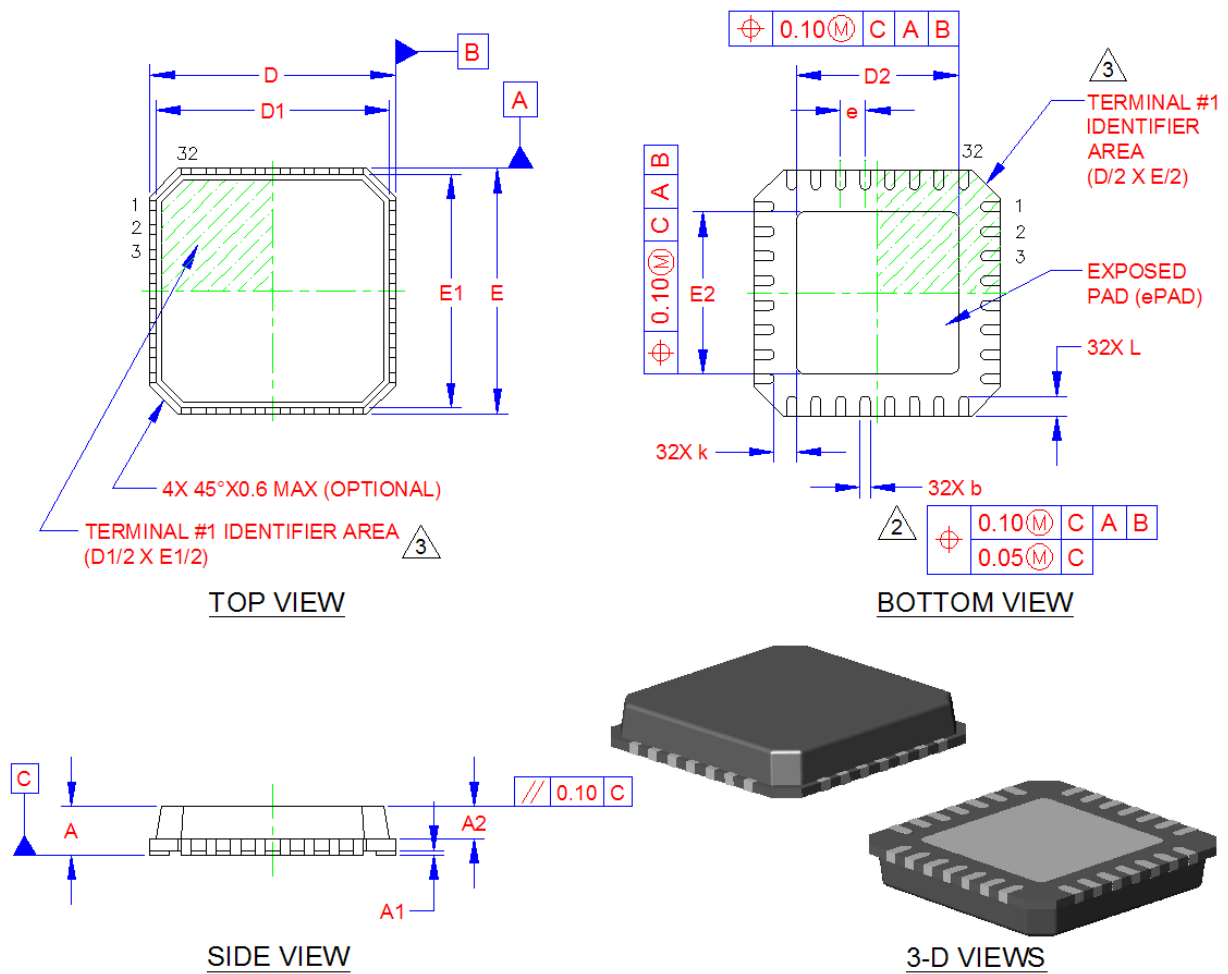


Figure 1 Package Diagram - 32-Pin QFN

COMMON DIMENSIONS					
SYMBOL	MIN	NOM	MAX	NOTE	REMARK
A	0.70	0.85	1.00	-	OVERALL PACKAGE HEIGHT
A1	0	0.02	0.05	-	STANDOFF
A2	-	-	0.90	-	MOLD CAP THICKNESS
D/E	4.90	5.00	5.10	-	X/Y BODY SIZE
D1/E1	4.55	4.75	4.95	-	X/Y MOLD CAP SIZE
D2/E2	3.10	3.30	3.40	-	X/Y EXPOSED PAD SIZE
L	0.30	0.40	0.50	-	TERMINAL LENGTH
b	0.18	0.25	0.30	2	TERMINAL WIDTH
k	0.35	-	-	-	TERMINAL TO ePAD CLEARANCE
e	0.50 BSC			-	TERMINAL PITCH

**NOTES:**

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. DIMENSIONS "b" APPLIES TO PLATED TERMINALS AND IT IS MEASURED BETWEEN 0.15 AND 0.30 mm FROM THE TERMINAL TIP.
3. DETAILS OF TERMINAL #1 IDENTIFIER ARE OPTIONAL BUT MUST BE LOCATED WITHIN THE AREA INDICATED.

**Figure 2 Package Dimensions - 32-Pin QFN**

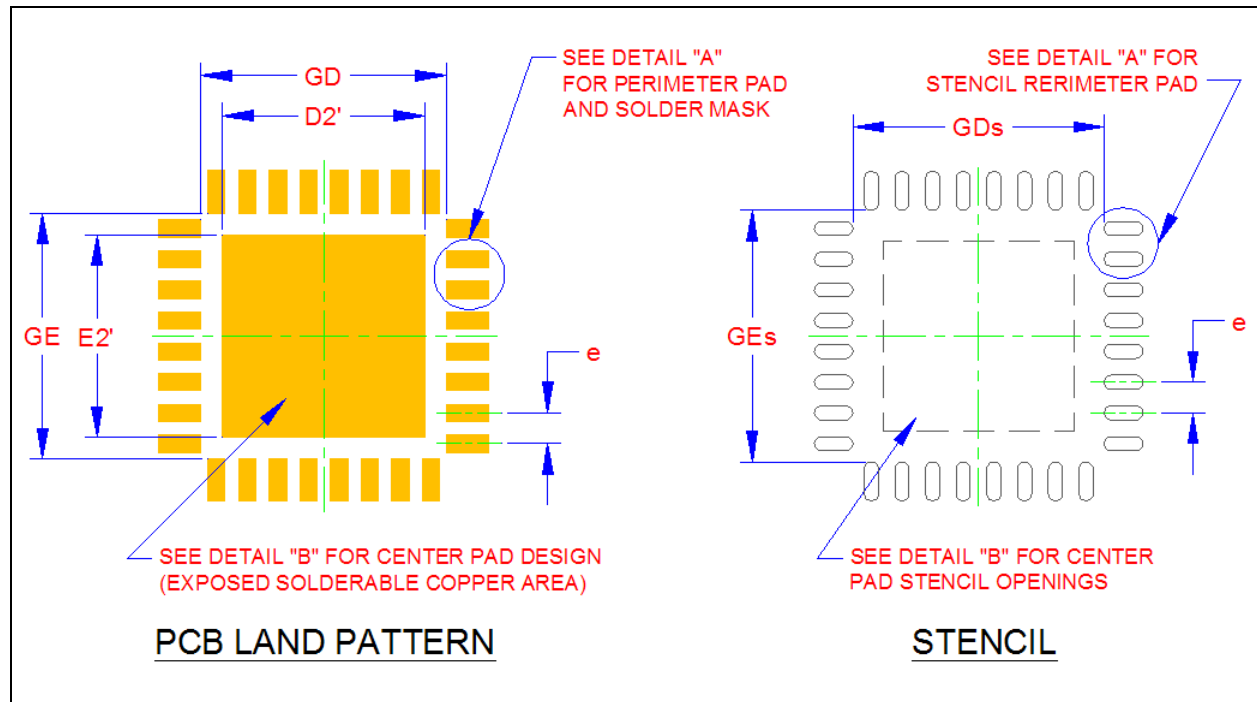


Figure 3 Package PCB Land Pattern and Stencil

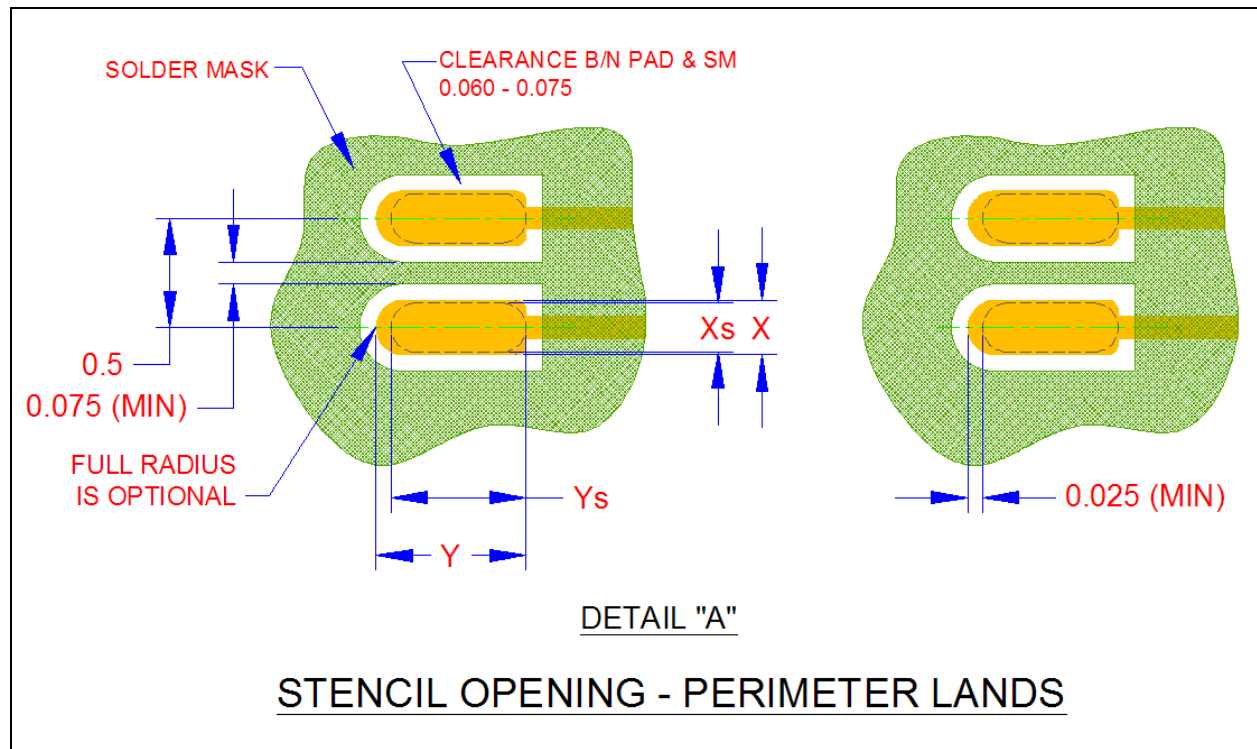


Figure 4 Package Detail A - Stencil Opening and Perimeter Lands

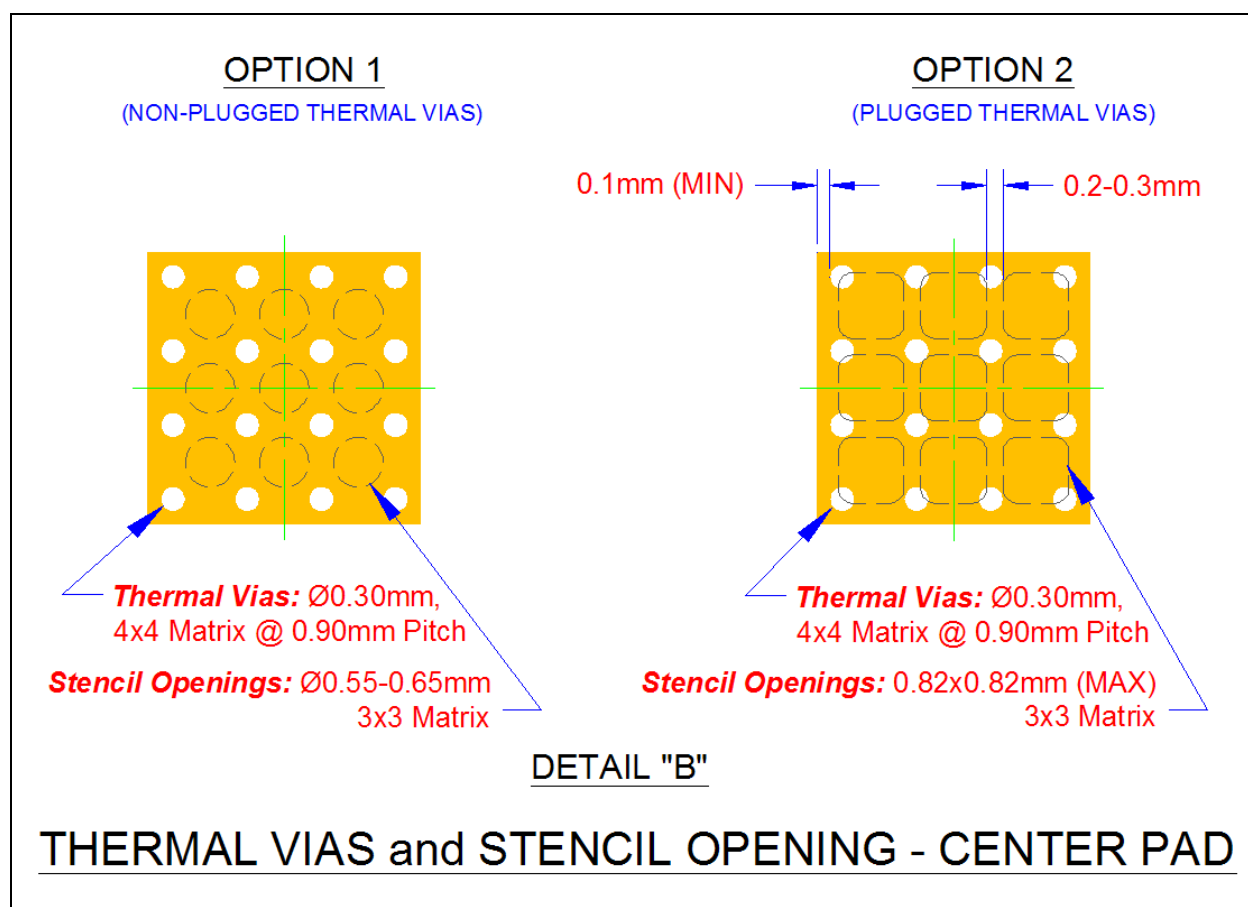


Figure 5 Package Detail B - Thermal Vias and Stencil Opening

LAND PATTERN DIMENSIONS			
SYMBOL	MIN	NOM	MAX
GD/GE	4.00	-	5.10
GDs/GEs	4.05	-	-
D2'/E2'	-	3.30	3.30
Pad: X	-	0.28	0.28
Stencil: Xs	-	0.23	0.25
Pad: Y	-	0.69	0.69
Stencil: Ys	-	0.62	0.64
e	0.50		

Figure 6 Package Land Pattern Dimensions