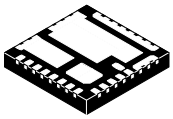
MECHANICAL CASE OUTLINE
PACKAGE DIMENSIONS

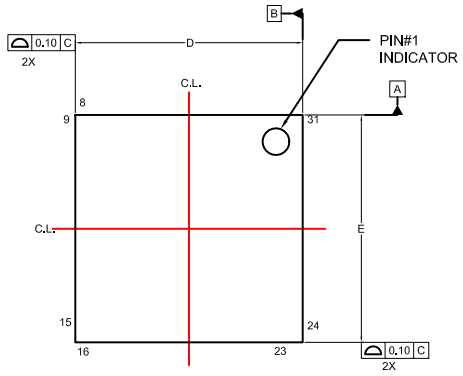
ON Semiconductor®

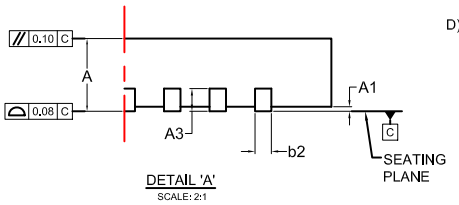


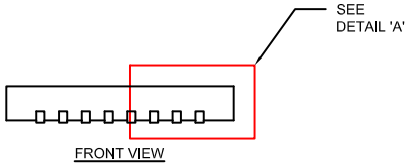
PQFN31 5X5, 0.5P
CASE 483BR
ISSUE A

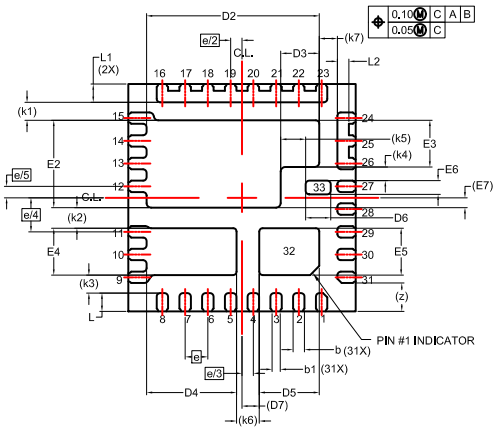
DATE 24 APR 2020

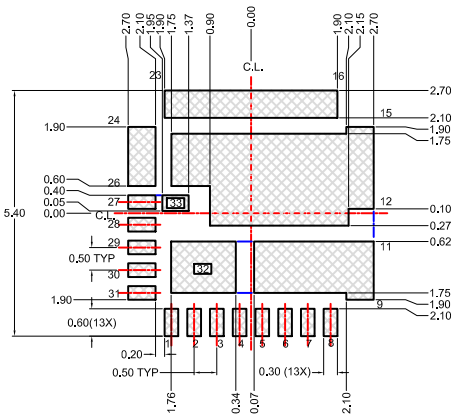
SCALE 2.5:1











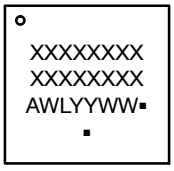
*FOR ADDITIONAL INFORMATION ON OUR PB-FREE STRATEGY AND SOLDERING DETAILS, PLEASE DOWNLOAD THE ON SEMICONDUCTOR SOLDERING AND MOUNTING TECHNIQUES REFERENCE MANUAL, SOLDERRM/D.

NOTES: UNLESS OTHERWISE SPECIFIED

A) DOES NOT FULLY CONFORM TO JEDEC REGISTRATION MO-220, DATED MAY/2005.
B) ALL DIMENSIONS ARE IN MILLIMETERS.
C) DIMENSIONS DO NOT INCLUDE BURRS AND SMEAR OR MOLD FLASH. MOLD FLASH OR BURRS AND SMEAR DOES NOT EXCEED 0.10MM.
D) DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.

DIM	MILLIMETERS		
	MIN.	NOM.	MAX.
A	0.70	0.75	0.80
A1	0.00	-	0.05
A3	0.20	0.25	0.30
b	0.20	0.25	0.30
b1	0.13	0.18	0.30
b2	0.13	0.18	0.30
D	4.90	5.00	5.10
D2	3.70	3.80	3.90
D3	0.75	0.85	0.95
D4	1.88	1.98	2.08
D5	1.22	1.32	1.42
D6	0.45	0.55	0.65
D7	0.38 REF		
E	4.90	5.00	5.10
E2	1.82	1.92	2.02
E3	0.93	1.03	1.13
E4	0.93	1.03	1.13
E5	0.93	1.03	1.13
E6	0.20	0.30	0.40
E7	0.22 REF		
e	0.50 BSC		
e/2	0.25 BSC		
e/3	0.25 BSC		
e/4	0.75 BSC		
e/5	0.25 BSC		
k1	0.40 REF		
k2	0.45 REF		
k3	0.40 REF		
k4	0.30 REF		
k5	0.55 REF		
k6	0.50 REF		
k7	0.40 REF		
L	0.30	0.40	0.50
L1	0.30	0.40	0.50
L2	0.15	0.25	0.35
z	0.625 REF		

GENERIC MARKING DIAGRAM*



XXXX = Specific Device Code
A = Assembly Location
WL = Wafer Lot
YY = Year
WW = Work Week
▪ = Pb−Free Package

(Note: Microdot may be in either location)

*This information is generic. Please refer to device data sheet for actual part marking. Pb−Free indicator, “G” or microdot “▪”, may or may not be present. Some products may not follow the Generic Marking.

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