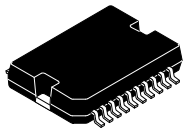
MECHANICAL CASE OUTLINE
PACKAGE DIMENSIONS

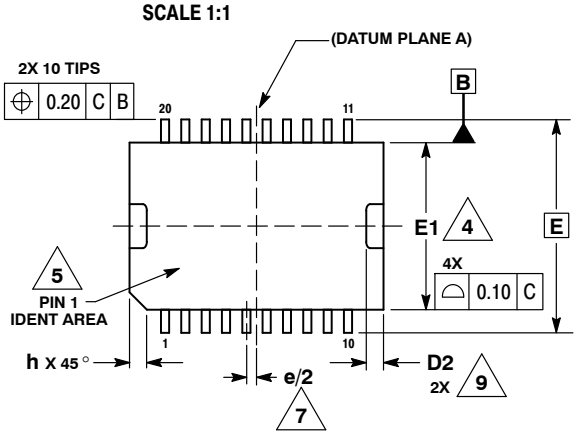
ON Semiconductor®

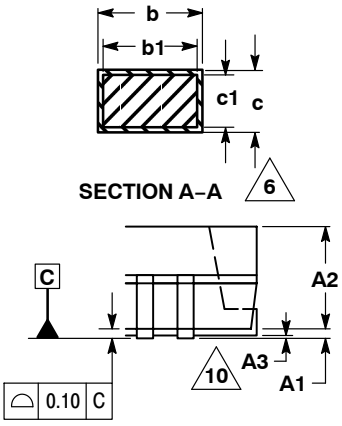
PSOP−20
CASE 525AB−01
ISSUE B

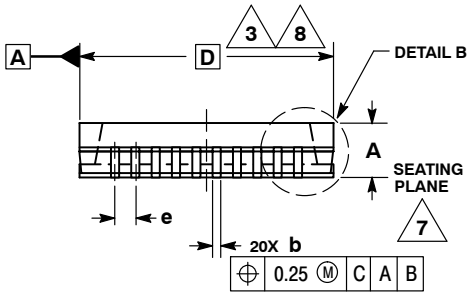
DATE 14 SEP 2010

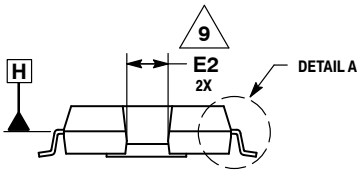


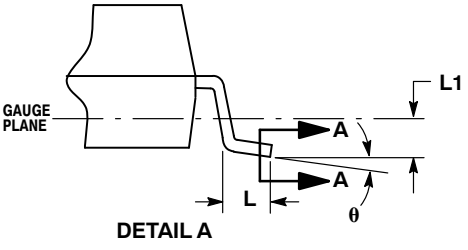
SCALE 1:1

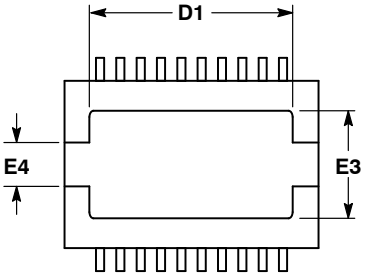










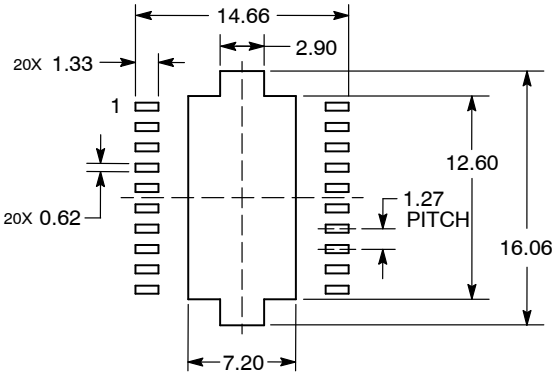


BOTTOM VIEW

NOTES:
1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1994.
2. CONTROLLING DIMENSION: MILLIMETERS.
3. DATUM PLANE H IS LOCATED AT THE BOTTOM OF THE LEAD AND IS COINCIDENT WITH THE LEAD WHERE IT EXITS THE BODY AT THE BOTTOM OF THE PARTING LINE.
4. DIMENSION D DOES NOT INCLUDE MOLD FLASH, PROTRUSIONS, OR GATE BURRS. MOLD FLASH OR GATE BURRS SHALL NOT EXCEED 0.15 PER SIDE. D IS DETERMINED AT DATUM H.
5. DIMENSION E1 DOES NOT INCLUDE INTERLEAD FLASH PROTRUSION. INTERLEAD FLASH PROTRUSION SHALL NOT EXCEED 0.15 PER SIDE. E1 IS DETERMINED AT DATUM H.
6. A VISUAL IDENTIFIER IS LOCATED WITHIN THE CROSS−HATCHED AREA.
7. THESE DIMENSIONS APPLY TO THE FLAT SECTION OF THE LEAD BETWEEN 0.10 AND 0.25mm FROM THE TIP.
8. SEATING PLANE IS DEFINED BY THE LEAD TIPS ONLY.
9. DIMENSION D DOES NOT INCLUDE TIEBAR PROTRUSIONS. TIEBAR PROTRUSIONS SHALL NOT EXCEED 0.15 PER SIDE.
10. DATUMS A AND B TO BE DETERMINED AT DATUM H.

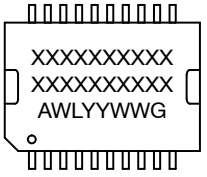
	MILLIMETERS	
DIM	MIN	MAX
A	3.00	3.40
A1	0.10	0.30
A2	2.90	3.10
A3	0.00	0.10
b	0.40	0.52
b1	0.40	0.49
c	0.23	0.32
c1	0.23	0.28
D	15.90 BSC	
D1	11.70	12.60
D2	0.90	1.10
e	1.27 BSC	
E	13.95	14.45
E1	11.00 BSC	
E2	2.50	2.70
E3	6.40	7.20
E4	2.70	2.90
h	---	1.10
L	0.84	1.10
L1	0.35 BSC	
θ	0°	8°

MOUNTING FOOTPRINT



DIMENSIONS: MILLIMETERS

GENERIC MARKING DIAGRAM*



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

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STATUS:	ON SEMICONDUCTOR STANDARD	
NEW STANDARD:		
DESCRIPTION:	PSOP−20	PAGE 1 OF 2

ISSUE	REVISION	DATE
O	RELEASED FOR PRODUCTION. REQ. BY H. KRONSBERG.	14 OCT 2008
A	CORRECTED TABLE REFERENCE FROM L2 TO L1. REQ. BY H. KRONSBERG.	23 JUL 2009
B	ADDED GENERIC MARKING DIAGRAM. REQ. BY B. MARQUIS.	14 SEP 2010