



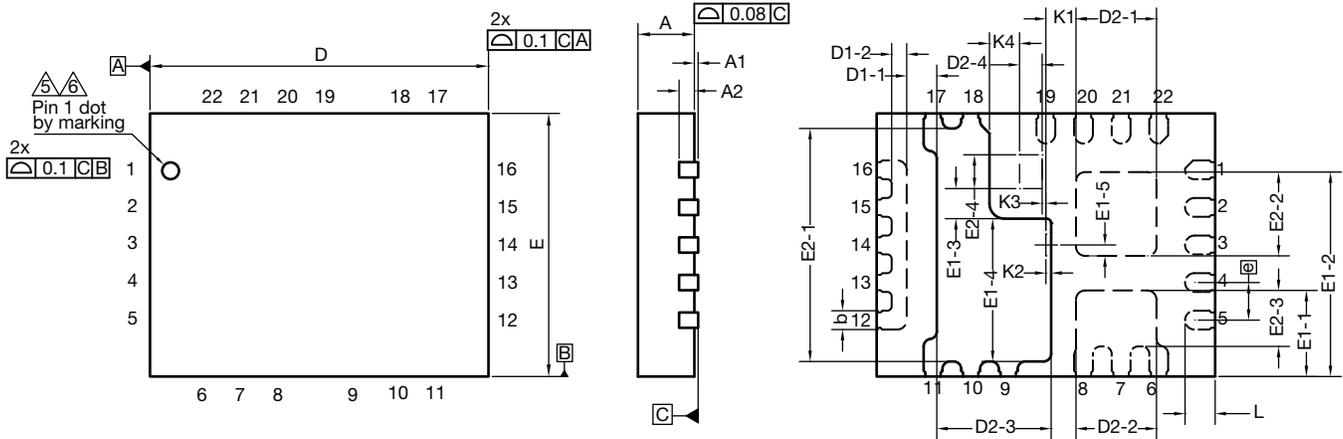
PRODUCT SUMMARY	
Part number	SiC544
Description	40 A power stage, 4.5 V _{IN} to 24 V _{IN} , 5 V PWM with ZCD, PS4 mode
Input voltage min. (V)	4.5
Input voltage max. (V)	24
Continuous current rating max. (A)	40
Switch frequency max. (kHz)	2000
Enable (yes / no)	No
Monitoring features	-
Protection	UVLO
Light load mode	ZCD, PS4
Pulse-width modulation (V)	5
Package type	PowerPAK MLP4535-22L
Package size (W, L, H) (mm)	4.5 x 3.5 x 0.75
Status code	2
Product type	VRPower (DrMOS)
Applications	Computer, industrial, networking

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MLP 4.5 x 3.5-22L BWL Case Outline



DIM.	MILLIMETERS			INCHES		
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.
A ⁽⁸⁾	0.70	0.75	0.80	0.027	0.0029	0.031
A1	0.00	-	0.05	0.000	-	0.002
A2	0.20 ref.			0.008 ref.		
b ⁽⁴⁾	0.20	0.25	0.30	0.0078	0.0098	0.0110
D	4.50 BSC			0.177 BSC		
e	0.50 BSC			0.019 BSC		
E	3.50 BSC			0.137 BSC		
L	0.35	0.40	0.45	0.013	0.015	0.017
N ⁽³⁾	22			22		
Nd ⁽³⁾	6			6		
Ne ⁽³⁾	5			5		
D1-1	0.35	0.40	0.45	0.013	0.015	0.017
D1-2	0.15	0.20	0.25	0.005	0.007	0.009
D2-1	1.02	1.07	1.12	0.040	0.042	0.044
D2-2	1.02	1.07	1.12	0.040	0.042	0.044
D2-3	1.47	1.52	1.57	0.057	0.059	0.061
D2-4	0.25	0.30	0.35	0.009	0.011	0.013
E1-1	1.095	1.145	1.195	0.043	0.045	0.047
E1-2	2.67	2.72	2.77	0.105	0.107	0.109
E1-3	0.35	0.40	0.45	0.013	0.015	0.017
E1-4	1.85	1.90	1.95	0.072	0.074	0.076
E1-5	0.095	0.145	0.195	0.0037	0.0057	0.0076
E2-1	3.05	3.10	3.15	0.120	0.122	0.124
E2-2	1.065	1.115	1.165	0.0419	0.0438	0.0458
E2-3	0.695	0.745	0.795	0.027	0.029	0.031
E2-4	0.40	0.45	0.50	0.015	0.017	0.019
K1	0.40 BSC			0.015 BSC		
K2	0.07 BSC			0.002 BSC		
K3	0.05 BSC			0.001 BSC		
K4	0.40 BSC			0.015 BSC		



Notes

1. Use millimeters as the primary measurement
2. Dimensioning and tolerances conform to ASME Y14.5M. - 1994
3. N is the number of terminals,
Nd is the number of terminals in X-direction and
Ne is the number of terminals in Y-direction.
4. Dimension b applies to plated terminal and is measured between 0.20 mm and 0.25 mm from terminal tip
5. The pin #1 identifier must be existed on the top surface of the package by using indentation mark or other feature of package body
6. Exact shape and size of this feature is optional
7. Package warpage max. 0.08 mm
8. Applied only for terminals

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