



130 W Cochran St, Unit B
Simi Valley, CA 93065
Tel:818-701-4933

Process Change Notification

Feb-20th-2021

Title: MCC Introduces new lead frame for 0201 package

PCN#: 022021-1

Planned Effective Date :ASAP

Reliability Data: Available per individual request

Samples contact: Sales@mccsemi.com

For question concerning this notification: techsupport@mccsemi.com

Notification Type:

Final Process/Product Change Notification(FPCN)

MCC will consider this change approved unless specific conditions of acceptance are provided in writing within 30 days of receipt of this notice. To do so, contact techsupport@mccsemi.com



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Description and purpose :

To solve our delivery issue of 0201 package, MCC has determined to add a new lead frame source. The outline still meet industrial standard and pls see below outline comparison for details.

For any concern about this PCN, pls feel free to contact your local sales representative or us directly via above E-mail address.

Qualification Data and Summary:

Devices were randomly selected by different voltage ratings.

Qualification Test Result:

Test	Condition	Interval	Results
HTRB	$T_j = T_{jmax}$, 80% Vr	1000 Hrs	0/77
OP	Ta=25°C, Rated If	1000 Hrs	0/77
PCT	Ta=121°C, 100%RH, 15psig	96 Hrs	0/77
TC	-55°C~+150°C	1000 Cycles	0/77
Resistance to solder heat	260°C for 10s		0/10
Solderability	245°C for 5s		0/10

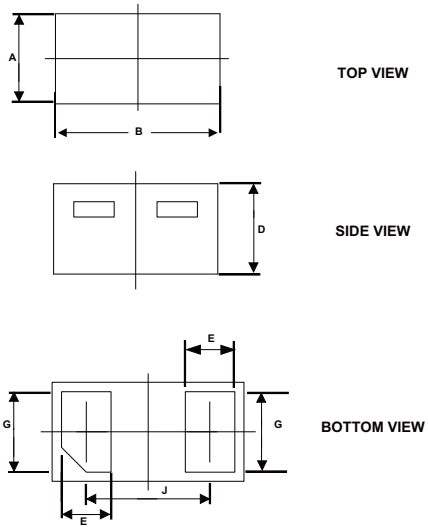


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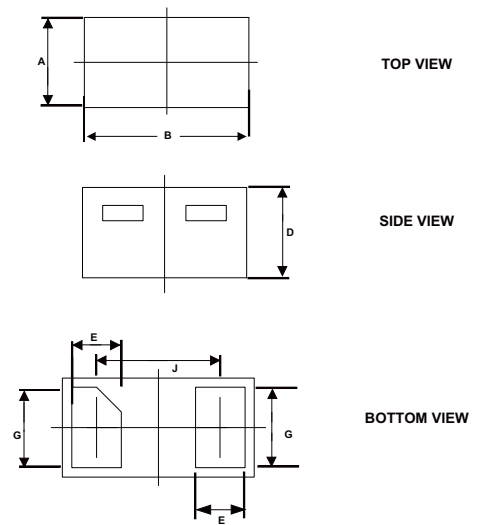
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Detailed difference as below:

Old

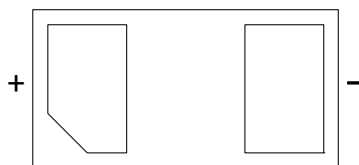


New

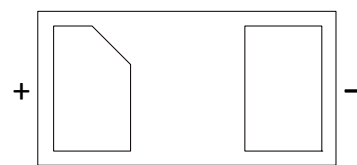


DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	0.011	0.015	0.270	0.370	
B	0.022	0.026	0.570	0.670	
D	0.011	0.013	0.275	0.340	
E	0.005	0.008	0.125	0.195	
G	0.009	0.012	0.225	0.295	
J	0.014	0.017	0.365	0.435	

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G	0.009	0.012	0.225	0.295	
J	0.014		0.365		TYP.



BOTTOM VIEW



BOTTOM VIEW

Affected Parts List:

- | | |
|----------------|-------------------|
| RB520S-30DP-TP | RB520S-30DP-TP-HF |
| RB521S-30DP-TP | RB521S-30DP-TP-HF |
| RB751S-40DP-TP | RB751S-40DP-TP-HF |