

Product Change Notice

Issue Date: 17 July 2017

Change Type:

Introduction of an alternate lead frame source

Parts Affected:

Group 1:

ASMC-PAB9-TV005	AZMC-PRB9-TV005	HSMC-A431-Y70M1
QSMC-PAGR-TV7N5	HZMC-A400-T30M1	HSMC-A431-Y80M1
HSMA-A401-U45M1	HZMZ-A400-V30M1	HSMC-A461-V00M1
HSMA-A401-U7VM1	HSMA-A430-W90M1	HSMC-A461-X30M1
HSMA-A401-U80M1	HSMA-A431-X90M1	HZMC-A431-X90M1
HSMA-A401-V30M1	HSMA-A431-X9NM1	HZMC-A430-W50M1
HSMA-A401-V3WM1	HSMA-A431-Y00M1	HSME-A461-P41M1
HZMA-A401-U45M1	HSMA-A431-Z50M1	HSMJ-A430-W50M1
HSME-A401-P4PM1	HSMA-A431-Z5VM1	HSMJ-A431-X90M1
HSML-A401-U40M1	HSMA-A431-Z5WM1	HSMJ-A431-Y70M1
HSML-A401-U8PM1	HSMA-A460-W50M1	HSMJ-A461-W40M1
HSMJ-A401-T40M1	HSMA-A461-X83M1	HSML-A431-X90M1
HSMJ-A401-U40M1	HSMA-A461-X8MM1	HSML-A431-Z3WM1
HZMJ-A401-U40M1	HSMA-A461-X8WM1	HSML-A461-W40M1
ASMC-PHB9-TW005	HSMA-A461-Y30M1	HSML-A461-W80M1
QSMC-PHM1-TW005	HSMA-A461-Y3NM1	HSMM-A430-X90M2
QZMC-PHM1-TW005	HSMA-A461-Y3WM1	HSMM-A430-X9QM2
ASMC-PRB9-TV005	HSMA-A461-Y7NM1	HSMM-A430-Y3YM2
HSMC-A400-S30M1	HZMA-A431-13NM1	HSMM-A430-Y7YM2
HSMC-A401-U30M1	HZMA-A461-Y3NM1	HSMN-A430-V50M2
HSMC-A401-U70M1	HZMA-A461-Y30M1	HSMN-A430-V5QM2
HSMC-A401-U80M1	HSMC-A430-W50M1	HSMN-A430-V7YM2
HSMZ-A400-V30M1	HSMC-A431-X90M1	HSMN-A461-T4QM2
HSMZ-A400-V70M1	HSMC-A431-Y60M1	

Group 2:

HSMW-A400-U00M2	HSMM-A400-V8YM2	ASMT-SGB5-ZX3Q3
ASMT-SWB5-NW703	HSMM-A400-W8QM2	ASMT-SGB5-ZX3P3
ASMT-SWBM-NV403	HSMM-A400-W8YM2	ASMT-SGB5-ZX3Y3
ASMT-SWBM-NV4M3	ASMT-SGB5-NW503	QSMT-SGDF-ZX3Y3
ASMT-SWBM-NV803	ASMT-SGB5-NW703	ASMT-SBB5-ZT703
HSMN-A400-S4QM2	ASMT-SGB5-NX303	ASMT-SBB5-ZT7P3
HSMN-A400-S8PM2	QSMT-SGB5-N900C	ASMT-SBB5-ZT7Y3
HSMN-A400-S8QM2	ASMT-SGB5-ZW703	ASMT-SBB5-ZU3Q3
ASMT-SBB5-NT703	ASMT-SGB5-ZW7Q3	ASMT-SBB5-ZU3P3
HSMM-A400-U4QM2	ASMT-SGB5-ZW7P3	ASMT-SBB5-ZU3Y3
HSMM-A400-U4YM2	ASMT-SGB5-ZW7Y3	QSMT-SBDF-ZT7Y3
HSMM-A400-V8QM2	ASMT-SGB5-ZX303	

Group 3:

ASMT-SAB4-PW505	QSMT-SRB4-PAC05
QSMT-SAB4-PAC05	AZMT-SRB4-PW505
QSMT-SAB4-PW905	AZMT-SRB4-PW705
QSMT-SAHM-PW7Z5	QSMA-A438-Z5WM1
AZMT-SAB4-PW905	QSMA-A438-177M1
ASMT-SHB4-PW905	QSMA-A438-17NM1
QSMT-SHB4-PAC05	QSMC-A438-Y80M1
AZMT-SHB4-PW905	QSMT-SAGR-SABZ5
ASMT-SRB4-PW505	QZMT-SAGR-SABZ5
ASMT-SRB4-PW705	QSMT-SHGR-SAB05

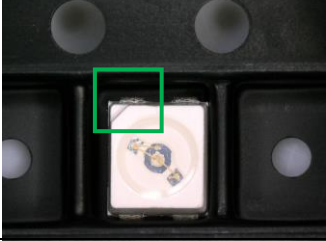
Group 4:

ASMT-SAB4-YW905	ASMT-SAA4-ZX305
ASMT-SAB4-YX305	ASMT-SHB4-YW905
ASMT-SAB4-ZW905	ASMT-SHB4-YX305
ASMT-SAB4-ZW9C5	ASMT-SHB4-ZW905
ASMT-SAB4-ZW9H5	ASMT-SHB4-ZX305
ASMT-SAB4-ZX305	ASMT-SRB4-YW905
ASMT-SAB4-ZX3C5	ASMT-SRB4-YX305
ASMT-SAB4-ZX3E5	ASMT-SRB4-ZW905
ASMT-SAB4-ZX3H5	ASMT-SRB4-ZX305
ASMT-SAA4-ZX3J5	QSMT-SRDF-ZX305

Description and Extent of Change:

Alternate lead frame source

The selected lead frame source had undergone Broadcom's qualification process and is deemed suitable as alternate lead frame source.

Group	Existing	New source
1		
2		
3		
4		

Reasons for Change:

Assurance of supply

Effect of Change on Fit, Form, Function, Quality, or Reliability:

There is no effect on fit and function as per datasheet. However the package's marking will be change position on new source. Qualification and characterization have been conducted to ensure both existing and alternate lead frame source are comparable.

Effective Date of Change:

The shipment with above change will commence 90 days after issuance date above.

Qualification Data:Group 1, 2 and 4

No	Test Type	Stress Condition	Test Condition	SS / Cells	Number of failure
1	TMCL	-40/100°C, 15 5 15mins, 100x	HT + ET	112	0
2	HTOL	70°C/ 35mA, 1000hrs	ET	28	0
3	WHTOL	85°C/85%RH 20mA, 1000hrs	ET	28	0
4	WHTSL	85°C/85%RH, 1000hrs	ET	28	0
5	HTSL	100°C, 1000hrs	ET	28	0

Group 3

No	Test Type	Stress Condition	Test Condition	SS / Cells	Number of failure
1	TMCL	-40/100°C, 15 5 15mins, 100x	HT + ET	112	0
2	HTOL	70°C/ 23mA, 1000hrs	ET	28	0
3	WHTOL	85°C/85%RH 15mA, 1000hrs	ET	28	0
4	WHTSL	85°C/85%RH, 1000hrs	ET	28	0
5	HTSL	100°C, 1000hrs	ET	28	0
6	Solder ability	solder dip 245°C; 5sec	Visual	20	0

These changes have been reviewed and approved by Broadcom Limited engineers and managers per Broadcom Limited' procedure: Change Control and Customer Notification, 5962-6052-80.

Please contact your Broadcom Limited field sales for any questions or support requirements. Please return any response as soon as possible, but not to exceed 30 days.