

SpecTek Components

Last Updated: February 26, 2015

FBGA Matrix:

Product Type
P = Production
E = Engineering Samples
M = Mechanical Samples
Q = Qual Samples
R = Reball

Product Family
S = SDRAM
C = DDR
D = DDR2
E = DDR3
P = DDR4
F = FLASH
L = LPDRAM
T = GDDR5

P D 703

PART MATRIX
See next page

1120 -25

DATE CODE:
FIRST TWO = YEAR
LAST TWO = WORK WEEK

<u>SDRAM (JEDEC)</u> -75A (PC 133 3-3-3)	<u>Speed</u> <u>DDR3 (JEDEC)</u> -187 (PC3-8500/DDR3 1066 8-8-8) -15 (PC3-10600/DDR3 1333 10-10-10) -15E (PC3-10600/DDR3 1333 9-9-9) -125 (PC3-12800/DDR3 1600 11-11-11)
<u>DDR (JEDEC)</u> -5B (PC-3200/DDR 400 3-3-3) -6A (PC-2700/DDR333 2.5-3-3)	<u>Mobile LPDRAM SDRAM</u> -6 (6ns CL3 166MHz) -5 (5ns CL3 200MHz)
<u>DDR2 (JEDEC)</u> -3 (PC2-5300/DDR2 667 5-5-5) -25 (PC2-6400/DDR2 800 6-6-6) -25E (PC2-6400/DDR2 5-5-5)	Link to: Speed/Timing/Voltage



PART MATRIX

SDRAM 256

612 = SGG32M8Y16YL8FB

LPDRAM 1G

C01 = SGG32M32T68MO8B5

LPDRAM 2G

A01 = SGG64M32T69MO8ZA

DDR 256

217 = SGG32M8T36AV8GM

DDR 512

314 = SGG64M8T37ZV8FN

DDR2 512

540 = SAE64M8U48TO8BA
541 = SAE64M8U48TO8BB
542 = SAB64M8U48TO8BB
543 = SAA/SGG64M8U67AOACC
544 = SAA/SGG64M8U67AO8CC
545 = SGG64M8U68AOACC
546 = SGG32M16T67MO8DD

DDR2 1G

703 = 128M8U48BO8ZC
704 = 64M16U48BO8ZL
706 = SAA128M8U48BP8ZC
707 = 128M8U58AO8OAZC
708 = 128M8U58AP8ZC
709 = SMG/SAA/SGG128M8U48BOAZC
710 = SAA128M8U68AO8CC
711 = SAA/SGG/PRN128M8U68AOACC
712 = SAE128M8U48TO8BA
713 = SAE128M8U48TO8BB
714 = SAB128M8U48TO8BB
715 = SAA128M8U68AOAZL
716 = SAA128M8U68APACC
717 = SMGSGG/PRN128M8U48BGAZC
718 = SGG/SAA128M8U68AO8CD
719 = SGG128M8U69AO8CJ
720 = PRN/SAA128M8U88BOACC
721 = SMA128M8U88BOACC
722 = PRM128M8U88BOACC

DDR2 2G

D01 = PRN/SAA256M8U69AO8CJ
D02 = SGG/SMA512M4U69AO8CJ

DDR3 1G

801 = SAA/SGG/PRN128M8V48CG8GK
802 = SMA/SMG/SAA/SGG128M8V58BG8GF
803 = SAA128M8V58BH8GF
804 = SMA/SAA128M8V68AG8GN

DDR3 1G Continued

805 = SMG/SAA/SGG128M8V68AG8GF
806 = SGG128M8V68AGBGF
807 = SMG/SGG128M8V68AGAGF
808 = SMG/SGG128M8V68AGCGF
809 = SGG128M8V79BG8GQ
810 = PRA128M8V79DG8GQ
811 = SGG128M8V79DG8GQ
812 = SGG64M16V68AG8GN
813 = SMG64M16V68AG8GN
814 = PRN/SAA128M8V79DG8GQ
815 = PRA128M8V89CG8GQ
816 = SGG128M8V89CG8GQ

DDR3 2G

901 = **SMG**/PRN256M8V69AG8GK
902 = SMA/SAA256M8V69AG8GP
903 = SAA/SGG/PRM/SMA/SMG256M8V79BG8GQ
904 = SNL/PRA256M8V69AG8GK
905 = SMG128M16V69AG8GP
906 = SAA256M8V79BH8GQ
907 = SAA256M8V69AH8GK
908 = SMG/SMA/PRM/PRN256M8V69AG9GK
909 = SNL/PRA256M8V69AG9GK
910 = SAA/SGG256M8V69AH9GK
911 = SAA/PRN/PRM256M8V79DG9GQ
912 = SAA256M8V79DH8GQ
913 = PRA256M8V79DG8GQ
914 = PRA256M8V79BG8GQ
915 = SAA/SGG256M8V69AG8GK
916 = PRN256M8V79BG8GQ
917 = SAA/SGG256M8V69AG9GK
918 = PRN/SAA256M8V79DG8GQ
919 = 128M16V69AG8GP (HSORT Only)
920 = PRA256M8V79DG9GQ
921 = 128M16V69AG8GP (ASSM)
922 = 128M16V69AG8GP (HSORT Only) (ASSM)
923 = SAA256M8V89BG8GQ
924 = SAA256M8V70SG8RA
B05 = SAD128M16V70SG8RE
B06 = SUD128M16V70SG8RE (HSORT Only)
927 = PRN256M8V79DGAGQ
928 = PRA256M8V70SG8RA
929 = PRN256M8V70SG8RA
930 = SAD128M16V80AG8GP
931 = SUD128M16V80AG8GP
932 = SAD128M16V89CG8GN
933 = SUD128M16V89CG8GN
934 = ~~SAA/SGG256M8V89CG8GQ~~
934 = ~~SAA256M8V89CG8GQF 15E~~
935 = PRA256M8V89CG8GQ
936 = SAA/PRN256M8V89CG8GQ
937 = PRN/SAA128M16V89CG8GN
938 = SMG256M8V89CG8GQ
939 = PRM256M8V89CG8GQ
940 = PRM128M16V89CG8GN

DDR3 2G Continued

941 = PRN/SAA256M8V89CGDGQ
942 = SAF128M16V89CG8GN
943 = SUF128M16V89CG8GN
944 = PRN/SAA256M8V79DGDGQ
945 = SAF128M16V80AG8GP
946 = SUF128M16V80AG8GP
947 = PRN/SAA256M8V80AG8RH
948 = PRN/SAA256M8V89CG8GN
949 = PRN/SAA256M8V79DK8GQ
950 = PRN/SAA256M8V79DJ8GQ
951 = PRN/SAA256M8V89CJ8GQ
952 = PRN/SAA256M8V89CJ8GN
953 = SAD256M8V89CG8GQ
954 = PRN/SAA128M16V69AG8GP
955 = SGG/SMA128M16V69AG8GP
956 = PRA128M16V89CG8GN
991 = SGG256M8V79DG8GQ

DDR3 4G

B01 = SMG512M4V69AG8YC
B02 = PRM/SMG/SAA/SGG512M8V70SG8RA
B03 = PRN512M8V70SG8RA
B04 = PRA512M8V70SG8RA
B07 = SAA512M8V70SH8RA
B08 = PRN/SAA512M8V80AG8RH
B09 = PRN512M8V70SGDRA
B10 = PRM512M8V80AG8RH
B11 = PRA512M8V80AG8RH
B12 = PRN/SAA512M8V80AGDRH
B13 = SGG/SMA256M16V70SG8RE
B14 = SMG256M16V70SG8RE
B15 = PRN/SAA256M16V80AG8GP
B16 = PRM256M16V80AG8GP
B17 = SMG256M16V80AG8GP
B19 = PRN/SAA512M8V80AG8GP
B20 = PRN/SAA512M8V80AJ8RH
B21 = SAD512M8V80AJ8RH
B22 = PRN/SAA512M8V80BG8RH
B23 = PRM512M8V80BG8RH
B24 = PRA512M8V80BG8RH
B25 = PRN/SAA512M8V80BGDRH
B26 = PRN/SAA512M8V80BJ8RH
B27 = PRN/SAA512M8V80AH8RH
B28 = PRN/SAA512M8V80AG8DS
B29 = PRN/SAA512M8V90BK8RG
B30 = PRM512M8V90BK8RG
B31 = PRA512M8V90BG8RG

DDR4 4G

E01 = SGG512M8Z80AD8GK

GDDR5 2G

002 = SGG64M322C9RG6HF

GDDR5 4G

001 = SGG128M322E0RG6HF

New Part Numbering System

PE008 = PRN128M8V88AG8GQF
PE009 = PRM128M8V88AG8GQF
PE010 = PRA128M8V88AG8GQF
PE011 = SGG256M16V90BG8LYF
PE012 = SMG256M16V90BG8LYF