



SMARTsemi™



Samsung Cross Reference

Product Family	Density	Grade	SMARTsemi	Samsung
DDR3 SDRAM	2Gb (x8)	Industrial	KTDM2G3C818BGIEAT	K4B2G0846*-BM* K4B2G0846A K4B2G0846B K4B2G0846B K4B2G0846C K4B2G0846C K4B2G0846D K4B2G0846E K4B2G0846Q-BYK0/MA
DDR3 SDRAM	2Gb (x8)	Commercial	KTDM2G3C818BGCEAT	K4B2G0846*-BY* K4B2G0846A K4B2G0846B K4B2G0846B K4B2G0846C K4B2G0846C K4B2G0846D K4B2G0846D-HYF8 K4B2G0846D-HYH9 K4B2G0846D-HYK0 K4B2G0846E K4B2G0846Q-BC K4B2G0846Q-BYK0/MA
DDR3 SDRAM	2Gb (x16)	Industrial	KTDM2G3C618BGIEAT	K4B2G1646*-BM*K4B2G1646*-BF* K4B2G1646B K4B2G1646B K4B2G1646C K4B2G1646F K4B2G1646F-BMK0 K4B2G1646F-BMMA K4B2G1646Q K4B2G1646Q-BMH9 K4B2G1646Q-BMK0



SMARTsemi™



Samsung Cross Reference

Product Family	Density	Grade	SMARTsemi	Samsung
DDR3 SDRAM	2Gb (x16)	Commercial	KTDM2G3C618BGCEAT	K4B2G1646Q-BYK0/MA
				K4B2G1646Q-BYMA
				K4B2G1646*-BY*
				K4B2G1646B
				K4B2G1646B
				K4B2G1646C
				K4B2G1646C-HCF8000
				K4B2G1646F
				K4B2G1646F-BYK0
				K4B2G1646F-BYMA
				K4B2G1646Q
				K4B2G1646Q-BC
				K4B2G1646Q-BYH9
				K4B2G1646Q-BYK0
DDR3 SDRAM	4Gb (x8)	Industrial	KTDM4G3C818BGIEAT	K4B2G1646Q-BYK0/MA
				K4B2G1646Q-BYMA
				K4B4G0846*-BM*
				K4B4G0846B
				K4B4G0846B-MCF7
				K4B4G0846B-MCF8
				K4B4G0846B-MCH9
				K4B4G0846E
				K4B4G0846E-BMK0
				K4B4G0846E-BMMA
				K4B4G0846*-BY*K4B4G0846*-YC*
				K4B4G0846B
				K4B4G0846D-BC
				K4B4G0846D-BYK0
DDR3 SDRAM	4Gb (x8)	Commercial	KTDM4G3C818BGCEAT	K4B4G0846E
				K4B4G0846E-BYK0
				K4B4G0846E-BYMA
				K4B4G0846Q-HC



SMARTsemi™



Samsung Cross Reference

Product Family	Density	Grade	SMARTsemi	Samsung
DDR3 SDRAM	4Gb (x16)	Industrial	KTDM4G3C618BGIEAT	K4B4G0846Q-HYK0 K4B4G1646*-BM*K4B4G1646*-BF* K4B4G1646B K4B4G1646B-HIH9 K4B4G1646B-HIK0 K4B4G1646D-BYK0/MA K4B4G1646E K4B4G1646E-BMK0 K4B4G1646E-BMMA K4B4G1646Q
DDR3 SDRAM	4Gb (x16)	Commercial	KTDM4G3C618BGCEAT	K4B4G1646*-BY*K4B4G1646*-YC* K4B4G1646B K4B4G1646B-HCF8 K4B4G1646B-HCH9 K4B4G1646B-HCK0 K4B4G1646B-HCMA K4B4G1646B-HCNB K4B4G1646D-BC K4B4G1646D-BYK0/MA K4B4G1646E K4B4G1646E-BYK0 K4B4G1646E-BYMA K4B4G1646Q K4B4G1646Q-HC K4B4G1646Q-HYF8
DDR4 SDRAM	4Gb (x8)	Industrial	KTDM4G4B826BGIEAT	K4A4G085W*-BI* K4A4G085WD K4A4G085WE K4A4G085WE-BIPB K4A4G085WE-BIRC K4A4G085WE-BITD
DDR4 SDRAM	4Gb (x8)	Commercial	KTDM4G4B826BGCEAT	K4A4G085W*-BC*



SMARTsemi™



Samsung Cross Reference

Product Family	Density	Grade	SMARTsemi	Samsung
DDR4 SDRAM	4Gb (x16)	Industrial	KTDM4G4B626BGIEAT	K4A4G085WD
				K4A4G085WD-BCRC/PB
				K4A4G085WE
				K4A4G085WE-BCPB
				K4A4G085WE-BCRC
				K4A4G085WE-BCTD
				K4A4G165W*-BI*
				K4A4G165WE
				K4A4G165WE-BIPB
				K4A4G165WE-BIRC
DDR4 SDRAM	4Gb (x16)	Commercial	KTDM4G4B626BGCEAT	K4A4G165WE-BITD
				K4A4G165W*-BC*
				K4A4G165WD-BCRC/PB
				K4A4G165WE
				K4A4G165WE-BCPB
				K4A4G165WE-BCRC
				K4A4G165WE-BCTD
				K4A8G085W*-BI*
				K4A8G085WB
				K4A8G085WB-BIPB
DDR4 SDRAM	8Gb (x8)	Commercial	KTDM8G4B832BGCBCT	K4A8G085WB-BIRC
				K4A8G085WB-BITD
				K4A8G085W*-BC*
				K4A8G085WB
				K4A8G085WB-BCPB
				K4A8G085WB-BCRC
				K4A8G085WB-BCRC/PB
				K4A8G165W*-BI*
				K4A8G165WB
				K4A8G165WB-BIPB
DDR4 SDRAM	8Gb (x16)	Industrial	KTDM8G4B632BGIBCT	K4A8G165WB-BIRC
				K4A8G165WB-BITD



SMARTsemi™

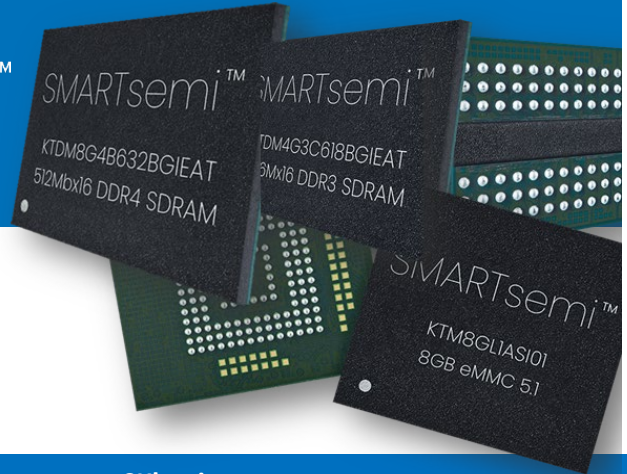


Samsung Cross Reference

Product Family	Density	Grade	SMARTsemi	Samsung
DDR4 SDRAM	8Gb (x16)	Commercial	KTDM8G4B632BGCBCT	K4A8G165W*-BC* K4A8G165WB K4A8G165WB-BCPB K4A8G165WB-BCRC K4A8G165WB-BCTD



SMARTsemi™

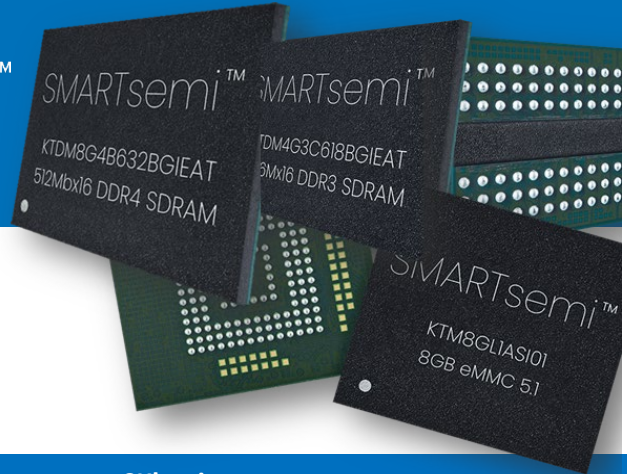


SKhynix Cross Reference

Product Family	Density	Grade	SMARTsemi	SKhynix
DDR3 SDRAM	2Gb (x8)	Industrial	KTDM2G3C818BGIEAT	H5TC2G83*FR-*I H5TC2G83FFR H5TC2G83FFRG7I H5TC2G83FFRH9I H5TC2G83FFRPBI H5TC2G83FFRRDI
DDR3 SDRAM	2Gb (x8)	Commercial	KTDM2G3C818BGCEAT	H5TC2G83*FR-*C H5TC2G83FFR H5TC2G83FFRG7A H5TC2G83FFRH9A H5TC2G83FFRPBA H5TC2G83FFRRDA
DDR3 SDRAM	2Gb (x16)	Industrial	KTDM2G3C618BGIEAT	H5TC2G63*FR-*I H5TC2G63DFRG7I H5TC2G63DFRH9I H5TC2G63DFRPBI
DDR3 SDRAM	2Gb (x16)	Commercial	KTDM2G3C618BGCEAT	H5TC2G63*FR-*C H5TC2G63DFRG7A H5TC2G63DFRH9A H5TC2G63DFRPBA
DDR3 SDRAM	4Gb (x8)	Industrial	KTDM4G3C818BGIEAT	H5TC4G83*FR-*I H5TC4G83BFR
DDR3 SDRAM	4Gb (x8)	Commercial	KTDM4G3C818BGCEAT	H5TC4G83*FR-*C H5TC4G83MFR-G7A H5TC4G83MFR-H9A H5TC4G83MFR-PBA
DDR3 SDRAM	4Gb (x16)	Industrial	KTDM4G3C618BGIEAT	H5TC4G63*FR-*I H5TC4G63AFR
DDR3 SDRAM	4Gb (x16)	Commercial	KTDM4G3C618BGCEAT	H5TC4G63*FR-*C H5TC4G63AFR-G7A H5TC4G63AFR-H9A



SMARTsemi™

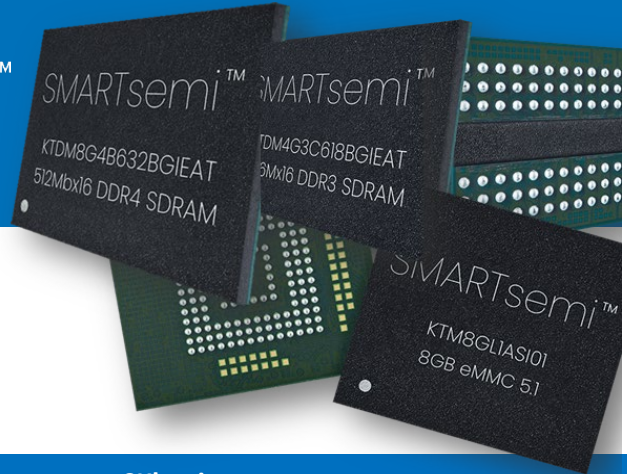


SKhynix Cross Reference

Product Family	Density	Grade	SMARTsemi	SKhynix
				H5TC4G63AFR-PBA H5TC4G63AFR-RDA H5TC4G63MFR-G7A H5TC4G63MFR-H9A H5TC4G63MFR-PBA
DDR4 SDRAM	4Gb (x8)	Industrial	KTDM4G4B826BGIEAT	H5AN4G8N*JR-*I H5AN4G8NAFR
DDR4 SDRAM	4Gb (x8)	Commercial	KTDM4G4B826BGCEAT	H5AN4G8N*JR-*C H5AN4G8NAFR-PBC H5AN4G8NAFR-RDC H5AN4G8NAFR-TFC H5AN4G8NAFR-UHC H5AN4G8NAFR-VKC H5AN4G8NAFR-XXC
DDR4 SDRAM	4Gb (x16)	Industrial	KTDM4G4B626BGIEAT	H5AN4G6N*JR-*I H5AN4G6NAFR
DDR4 SDRAM	4Gb (x16)	Commercial	KTDM4G4B626BGCEAT	H5AN4G6N*JR-*C H5AN4G6NAFR-PBC H5AN4G6NAFR-RDC H5AN4G6NAFR-TFC H5AN4G6NAFR-UHC H5AN4G6NAFR-VKC H5AN4G6NAFR-XXC
DDR4 SDRAM	8Gb (x8)	Industrial	KTDM8G4B832BGIBCT	H5AN8G8N*JR-*I H5AG38*XNTX026 H5AN8G8NAFR
DDR4 SDRAM	8Gb (x8)	Commercial	KTDM8G4B832BGCBCT	H5AN8G8N*JR-*CH5AG38*XNDX026 H5AN8G8NAFR-PBC H5AN8G8NAFR-RDC H5AN8G8NAFR-TFC H5AN8G8NAFR-UHC H5AN8G8NAFR-VKC



SMARTsemi™



SKhynix Cross Reference

Product Family	Density	Grade	SMARTsemi	SKhynix
DDR4 SDRAM	8Gb (x16)	Industrial	KTDM8G4B632BGIBCT	H5AN8G8NAFR-XXC H5AN8G6N*JR-*I H5AG36*XNTX017 H5AN8G6NAFR
DDR4 SDRAM	8Gb (x16)	Commercial	KTDM8G4B632BGCBCT	H5AN8G6N*JR-*CH5AG36*XNDX017 H5AN8G6NAFR-PBC H5AN8G6NAFR-RDC H5AN8G6NAFR-TFC H5AN8G6NAFR-UHC H5AN8G6NAFR-VKC H5AN8G6NAFR-XXC



SMARTsemi™



Micron Cross Reference

Product Family	Density	Grade	SMARTsemi	Micron
DDR3 SDRAM	2Gb (x8)	Industrial	KTDM2G3C818BGIEAT	MT41K256M8DA-*IT* MT41K256M8DA-125 IT:K
DDR3 SDRAM	2Gb (x8)	Commercial	KTDM2G3C818BGCEAT	MT41K256M8DA-* MT41K256M8DA-125 MT41K256M8DA-125:K
DDR3 SDRAM	2Gb (x16)	Industrial	KTDM2G3C618BGIEAT	MT41K128M16JT-*IT* MT41K128M16JT-125 IT:K
DDR3 SDRAM	2Gb (x16)	Commercial	KTDM2G3C618BGCEAT	MT41K128M16JT-* MT41K128M16JT-125:K
DDR3 SDRAM	4Gb (x8)	Industrial	KTDM4G3C818BGIEAT	MT41K512M8DA-*IT* MT41K512M8DA-107 IT:P
DDR3 SDRAM	4Gb (x8)	Commercial	KTDM4G3C818BGCEAT	MT41K512M8DA-* MT41K512M8DA-107:P
DDR3 SDRAM	4Gb (x16)	Industrial	KTDM4G3C618BGIEAT	MT41K256M16TW-*IT* MT41K256M16TW-107 IT:P
DDR3 SDRAM	4Gb (x16)	Commercial	KTDM4G3C618BGCEAT	MT41K256M16TW-* MT41K256M16TW-107:P
DDR4 SDRAM	4Gb (x8)	Industrial	KTDM4G4B826BGIEAT	MT40A512M8RH-*IT* MT40A512M8SA-*IT* MT40A512M8RH-083E IT MT40A512M8SA-062E IT
DDR4 SDRAM	4Gb (x8)	Commercial	KTDM4G4B826BGCEAT	MT40A512M8RH-* MT40A512M8SA-* MT40A512M8RH-083E:B MT40A512M8SA-075:F
DDR4 SDRAM	4Gb (x16)	Industrial	KTDM4G4B626BGIEAT	MT40A256M16LY-*IT* MT40A256M16LY-062E IT:F
DDR4 SDRAM	4Gb (x16)	Commercial	KTDM4G4B626BGCEAT	MT40A256M16LY-* MT40A256M16LY-062E:F
DDR4 SDRAM	8Gb (x8)	Industrial	KTDM8G4B832BGIBCT	MT40A1G8WE-*IT* MT40A1G8SA-*IT* MT40A1G8WE-083E IT:B



SMARTsemi™



Micron Cross Reference

Product Family	Density	Grade	SMARTsemi	Micron
DDR4 SDRAM	8Gb (x8)	Commercial	KTDM8G4B832BGCBCT	MT40A1G8SA-062E IT:E MT40A1G8WE-* MT40A1G8SA-* MT40A1G8WE-083E:B MT40A1G8SA-075:E
DDR4 SDRAM	8Gb (x16)	Industrial	KTDM8G4B632BGIBCT	MT40A512M16LY-*IT* MT40A512M16JY-*IT* MT40A512M16LY-062E IT:E MT40A512M16JY-083E IT:B
DDR4 SDRAM	8Gb (x16)	Commercial	KTDM8G4B632BGCBCT	MT40A512M16LY-* MT40A512M16JY-* MT40A512M16LY-075:E MT40A512M16JY-083E:B



SMARTsemi™



Alliance Memory Cross Reference

Product Family	Density	Grade	SMARTsemi	Alliance
DDR3 SDRAM	2Gb (x8)	Industrial	KTDM2G3C818BGIEAT	AS4C256M8D3L*-*BIN AS4C256M8D3L-12BIN
DDR3 SDRAM	2Gb (x8)	Commercial	KTDM2G3C818BGCEAT	AS4C256M8D3L*-*BCN AS4C256M8D3L-12BCN
DDR3 SDRAM	2Gb (x16)	Industrial	KTDM2G3C618BGIEAT	AS4C128M16D3L*-*BIN AS4C128M16D3L-12BIN AS4C128M16D3LA-12BIN
DDR3 SDRAM	2Gb (x16)	Commercial	KTDM2G3C618BGCEAT	AS4C128M16D3L*-*BCN AS4C128M16D3L-12BCN AS4C128M16D3LA-12BCN AS4C128M16D3LB-12BCN
DDR3 SDRAM	4Gb (x8)	Industrial	KTDM4G3C818BGIEAT	AS4C512M8D3L*-*BIN AS4C512M8D3L-12BIN AS4C512M8D3LA-12BIN
DDR3 SDRAM	4Gb (x8)	Commercial	KTDM4G3C818BGCEAT	AS4C512M8D3L*-*BCN AS4C512M8D3L-12BCN AS4C512M8D3LA-12BCN
DDR3 SDRAM	4Gb (x16)	Industrial	KTDM4G3C618BGIEAT	AS4C256M16D3L*-*BIN AS4C256M16D3L-12BIN AS4C256M16D3LA-12BIN
DDR3 SDRAM	4Gb (x16)	Commercial	KTDM4G3C618BGCEAT	AS4C256M16D3L*-*BCN AS4C256M16D3L-12BCN AS4C256M16D3LA-12BCN AS4C256M16D3LB-12BCN
DDR4 SDRAM	4Gb (x8)	Industrial	KTDM4G4B826BGIEAT	AS4C512M8D4-*BIN AS4C512M8D4-83BIN AS4C512M8D4-75BIN
DDR4 SDRAM	4Gb (x8)	Commercial	KTDM4G4B826BGCEAT	AS4C512M8D4-*BCN AS4C512M8D4-83BCN AS4C512M8D4 75BCN
DDR4 SDRAM	4Gb (x16)	Industrial	KTDM4G4B626BGIEAT	AS4C256M16D4-*BIN AS4C256M16D4-83BIN



SMARTsemi™



Alliance Memory Cross Reference

Product Family	Density	Grade	SMARTsemi	Alliance
DDR4 SDRAM	4Gb (x16)	Commercial	KTDM4G4B626BGCEAT	AS4C256M16D4-75BIN
				AS4C256M16D4-*BCN
				AS4C256M16D4-83BCN
				AS4C256M16D4-75BCN
DDR4 SDRAM	8Gb (x8)	Industrial	KTDM8G4B832BGIBCT	AS4C1G8D4-*BIN
DDR4 SDRAM	8Gb (x8)	Commercial	KTDM8G4B832BGCBCT	AS4C1G8D4-75BIN
				AS4C1G8D4-*BCN
DDR4 SDRAM	8Gb (x16)	Industrial	KTDM8G4B632BGIBCT	AS4C1G8D4-75BCN
				AS4C512M16D4-*BIN
DDR4 SDRAM	8Gb (x16)	Commercial	KTDM8G4B632BGCBCT	AS4C512M16D4-75BIN
				AS4C512M16D4-*BCN
				AS4C512M16D4-75BCN



SMARTsemi™



ISSI

Cross Reference

Product Family	Density	Grade	SMARTsemi	ISSI
DDR3 SDRAM	2Gb (x8)	Industrial	KTDM2G3C818BGIEAT	IS43TR82560*-L-*BLI IS43TR82560A-125KBLI IS43TR82560A-15HBLI IS43TR82560AL-125KBLI IS43TR82560AL-15HBLI
DDR3 SDRAM	2Gb (x8)	Commercial	KTDM2G3C818BGCEAT	IS43TR82560*-L-*BL IS43TR82560A-125KBL IS43TR82560A-15HBL IS43TR82560AL-125KBL IS43TR82560AL-15HBL
DDR3 SDRAM	2Gb (x16)	Industrial	KTDM2G3C618BGIEAT	IS43TR16128*-L-*BLI IS43TR16128A-107MBLI IS43TR16128A-125KBLI IS43TR16128A-15HBLI IS43TR16128A-187FBLI IS43TR16128AL-125KBLI IS43TR16128AL-15HBLI
DDR3 SDRAM	2Gb (x16)	Commercial	KTDM2G3C618BGCEAT	IS43TR16128*-L-*BL IS43TR16128A-107MBL IS43TR16128A-125KBL IS43TR16128A-15HBL IS43TR16128A-187FBL IS43TR16128AL-125KBL IS43TR16128AL-15HBL
DDR3 SDRAM	4Gb (x8)	Industrial	KTDM4G3C818BGIEAT	IS43TR85120*-L-*BLI IS43TR85120A-093NBLI IS43TR85120A-107MBLI IS43TR85120A-125KBLI IS43TR85120AL-107MBLI IS43TR85120AL-125KBLI
DDR3 SDRAM	4Gb (x8)	Commercial	KTDM4G3C818BGCEAT	IS43TR85120*-L-*BL IS43TR85120A-093NBL



SMARTsemi™



ISSI

Cross Reference

Product Family	Density	Grade	SMARTsemi	ISSI
DDR3 SDRAM	4Gb (x16)	Industrial	KTDM4G3C618BGIEAT	IS43TR85120A-107MBL
				IS43TR85120A-125KBL
				IS43TR85120AL-107MBL
				IS43TR85120AL-125KBL
				IS43TR16256*L-*BLI
				IS43TR16256A-093NBLI
				IS43TR16256A-107MBLI
				IS43TR16256A-125KBLI
				IS43TR16256A-15HBLI
				IS43TR16256AL-107MBLI
DDR3 SDRAM	4Gb (x16)	Commercial	KTDM4G3C618BGCEAT	IS43TR16256AL-125KBLI
				IS43TR16256AL-15HBLI
				IS43TR16256*L-*BL
				IS43TR16256A-093NBL
				IS43TR16256A-107MBL
				IS43TR16256A-125KBL
				IS43TR16256A-15HBL
				IS43TR16256AL-107MBL
				IS43TR16256AL-125KBL
				IS43TR16256AL-15HBL
DDR4 SDRAM	4Gb (x8)	Industrial	KTDM4G4B826BGIEAT	IS43QR85120*-*BLI
DDR4 SDRAM	4Gb (x8)	Commercial	KTDM4G4B826BGCEAT	IS43QR85120A-093PBLI
				IS43QR85120A-083RBLI
				IS43QR85120*-*BL
DDR4 SDRAM	4Gb (x16)	Industrial	KTDM4G4B626BGIEAT	IS43QR85120A-093PBL
				IS43QR85120A-083RBL
				IS43QR16256*-*BLI
DDR4 SDRAM	4Gb (x16)	Commercial	KTDM4G4B626BGCEAT	IS43QR16256A-093PBLI
				IS43QR16256A-083RBLI
				IS43QR16256*-*BL
DDR4 SDRAM	4Gb (x16)			IS43QR16256A-093PBL
				IS43QR16256A-083RBL



SMARTsemi™



ISSI

Cross Reference

Product Family	Density	Grade	SMARTsemi	ISSI
DDR4 SDRAM	8Gb (x8)	Industrial	KTDM8G4B832BGIBCT	IS43QR81024*-*BLI IS43QR81024A-083TBLI
DDR4 SDRAM	8Gb (x8)	Commercial	KTDM8G4B832BGCBCT	IS43QR81024*-*BL IS43QR81024A-083TBL
DDR4 SDRAM	8Gb (x16)	Industrial	KTDM8G4B632BGIBCT	IS43QR16512*-*BLI IS43QR16512A-083TBLI
DDR4 SDRAM	8Gb (x16)	Commercial	KTDM8G4B632BGCBCT	IS43QR16512*-*BL IS43QR16512A-083TBL



SMARTsemi™



Windbond Cross Reference

Product Family	Density	Grade	SMARTsemi	Windbond
DDR3 SDRAM	2Gb (x8)	Industrial	KTDM2G3C818BGIEAT	W632GU8*B*I W632GU8*B*J W632GU8KB12I W632GU8KB15I
DDR3 SDRAM	2Gb (x8)	Commercial	KTDM2G3C818BGCEAT	W632GU8*B-* W632GU8KB-11 W632GU8KB-12 W632GU8KB-15
DDR3 SDRAM	2Gb (x16)	Industrial	KTDM2G3C618BGIEAT	W632GU6*B*I W632GU6*B*J W632GU6KB12I W632GU6KB15I
DDR3 SDRAM	2Gb (x16)	Commercial	KTDM2G3C618BGCEAT	W632GU6*B-* W632GU6KB-11 W632GU6KB-12 W632GU6KB-15
DDR3 SDRAM	4Gb (x8)	Industrial	KTDM4G3C818BGIEAT	W634GU8*B*I W634GU8*B*J W634GU8QB11I W634GU8QB11J W634GU8QB12I W634GU8QB12J W634GU8QB15I W634GU8QB15J
DDR3 SDRAM	4Gb (x8)	Commercial	KTDM4G3C818BGCEAT	W634GU8*B-* W634GU8QB-11 W634GU8QB-12 W634GU8QB-15
DDR3 SDRAM	4Gb (x16)	Industrial	KTDM4G3C618BGIEAT	W634GU6*B*I W634GU6*B*J W634GU8QB11I W634GU8QB11J



SMARTsemi™



Windbond Cross Reference

Product Family	Density	Grade	SMARTsemi	Windbond
DDR3 SDRAM	4Gb (x16)	Commercial	KTDM4G3C618BGCEAT	W634GU8QB12I
				W634GU8QB12J
				W634GU8QB15I
				W634GU8QB15J
				W634GU6*B-*
				W634GU8QB-11
				W634GU8QB-12
				W634GU8QB-15