

Hynix vs Renesas

256kb LPSRAM

| Part Number | Voltage | Organization | Package | Temp. | Renesas Part Number | Comments | |
|-------------------|--------------|--------------|---------|-------------|----------------------|-----------------|---------------------------|
| HY62CT080081E-DPC | 4.5V to 5.5V | x8 | DIP | 0C to 70C | NA | | |
| HY62CT080081E-DPE | | | | -25C to 85C | NA | | |
| HY62CT080081E-DPI | | | | -40C to 85C | NA | | |
| HY62CT080081E-DGC | | | SOP | 0C to 70C | M5M5256DFP-55LL/70LL | | |
| HY62CT080081E-DGE | | | | -25C to 85C | M5M5256DFP-70LLI | | |
| HY62CT080081E-DGI | | | | -40C to 85C | M5M5256DFP-70LLI | | |
| HY62CT080081E-DTC | | | TSOP | 0C to 70C | M5M5256DVP-55LL/70LL | | |
| HY62CT080081E-DTE | | | | -25C to 85C | M5M5256DVP-70LLI | | |
| HY62CT080081E-DTI | | | | -40C to 85C | M5M5256DVP-70LLI | | |
| HY62KT080081E-DPC | 2.7V to 3.6V | | x8 | DIP | 0C to 70C | NA | |
| HY62KT080081E-DPE | | | | | -25C to 85C | NA | |
| HY62KT080081E-DPI | | | | | -40C to 85C | NA | |
| HY62KT080081E-DGC | | | | SOP | 0C to 70C | M5M5256DFP-70G | 3.0V to 3.6V/4.5V to 5.5V |
| HY62KT080081E-DGE | | | | | -25C to 85C | M5M5256DFP-70GI | 3.0V to 3.6V/4.5V to 5.5V |
| HY62KT080081E-DGI | | | | | -40C to 85C | M5M5256DFP-70GI | 3.0V to 3.6V/4.5V to 5.5V |
| HY62KT080081E-DTC | | | | TSOP | 0C to 70C | M5M5256DVP-70G | 3.0V to 3.6V/4.5V to 5.5V |
| HY62KT080081E-DTE | | | | | -25C to 85C | M5M5256DVP-70GI | 3.0V to 3.6V/4.5V to 5.5V |
| HY62KT080081E-DTI | | | | | -40C to 85C | M5M5256DVP-70GI | 3.0V to 3.6V/4.5V to 5.5V |
| HY62VT080081E-DPC | 3.0V to 3.6V | x8 | | DIP | 0C to 70C | NA | |
| HY62VT080081E-DPE | | | | | -25C to 85C | NA | |
| HY62VT080081E-DPI | | | | | -40C to 85C | NA | |
| HY62VT080081E-DGC | | | | SOP | 0C to 70C | M5M5256DFP-70G | 3.0V to 3.6V/4.5V to 5.5V |
| HY62VT080081E-DGE | | | | | -25C to 85C | M5M5256DFP-70GI | 3.0V to 3.6V/4.5V to 5.5V |
| HY62VT080081E-DGI | | | | | -40C to 85C | M5M5256DFP-70GI | 3.0V to 3.6V/4.5V to 5.5V |
| HY62VT080081E-DTC | | | | TSOP | 0C to 70C | M5M5256DVP-70G | 3.0V to 3.6V/4.5V to 5.5V |
| HY62VT080081E-DTE | | | | | -25C to 85C | M5M5256DVP-70GI | 3.0V to 3.6V/4.5V to 5.5V |
| HY62VT080081E-DTI | | | | | -40C to 85C | M5M5256DVP-70GI | 3.0V to 3.6V/4.5V to 5.5V |

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| HY62UT08081E-DPC | 2.7V to 3.3V |
| HY62UT08081E-DPE | |
| HY62UT08081E-DPI | |
| HY62UT08081E-DGC | |
| HY62UT08081E-DGE | |
| HY62UT08081E-DGI | |
| HY62UT08081E-DTC | |
| HY62UT08081E-DTE | |
| HY62UT08081E-DTI | |
| HY62WT08081E-DPC | 2.7V to 5.5V |
| HY62WT08081E-DPE | |
| HY62WT08081E-DPI | |
| HY62WT08081E-DGC | |
| HY62WT08081E-DGE | |
| HY62WT08081E-DGI | |
| HY62WT08081E-DTC | |
| HY62WT08081E-DTE | |
| HY62WT08081E-DTI | |

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|------|-------------|-----------------|---------------------------|
| DIP | 0C to 70C | NA | |
| | -25C to 85C | NA | |
| | -40C to 85C | NA | |
| SOP | 0C to 70C | M5M5256DFP-70G | 3.0V to 3.6V/4.5V to 5.5V |
| | -25C to 85C | M5M5256DFP-70GI | 3.0V to 3.6V/4.5V to 5.5V |
| | -40C to 85C | M5M5256DFP-70GI | 3.0V to 3.6V/4.5V to 5.5V |
| TSOP | 0C to 70C | M5M5256DVP-70G | 3.0V to 3.6V/4.5V to 5.5V |
| | -25C to 85C | M5M5256DVP-70GI | 3.0V to 3.6V/4.5V to 5.5V |
| | -40C to 85C | M5M5256DVP-70GI | 3.0V to 3.6V/4.5V to 5.5V |
| DIP | 0C to 70C | NA | |
| | -25C to 85C | NA | |
| | -40C to 85C | NA | |
| SOP | 0C to 70C | M5M5256DFP-70G | 3.0V to 3.6V/4.5V to 5.5V |
| | -25C to 85C | M5M5256DFP-70GI | 3.0V to 3.6V/4.5V to 5.5V |
| | -40C to 85C | M5M5256DFP-70GI | 3.0V to 3.6V/4.5V to 5.5V |
| TSOP | 0C to 70C | M5M5256DVP-70G | 3.0V to 3.6V/4.5V to 5.5V |
| | -25C to 85C | M5M5256DVP-70GI | 3.0V to 3.6V/4.5V to 5.5V |
| | -40C to 85C | M5M5256DVP-70GI | 3.0V to 3.6V/4.5V to 5.5V |

Hynix vs Renesas

1Mb LPSRAM

| Part Number | Voltage | Organization | Package | Temp. | Renesas Part Number | Renesas specification | |
|------------------|--------------|--------------|-----------|------------------|-----------------------|-----------------------|--------------|
| HY628100BLG | 4.4V to 5.5V | | SOP | 0C to 70C | M5M51008DFP-55H/70H | | |
| HY628100BLLG | | | | | M5M51008DFP-55H/70H | | |
| HY628100BLG-E | | | | -25C to 85C | M5M51008DFP-55HI/70HI | | |
| HY628100BLLG-E | | | | | M5M51008DFP-55HI/70HI | | |
| HY628100BLG-I | | | | -40C to 85C | M5M51008DFP-55HI/70HI | | |
| HY628100BLLG-I | | | | | M5M51008DFP-55HI/70HI | | |
| HY628100BLT1 | | | TSOP | | 0C to 70C | M5M51008DVP-55H/70H | |
| HY628100BLLT1 | | | | | | M5M51008DVP-55H/70H | |
| HY628100BLT1-E | | | | | -25C to 85C | M5M51008DVP-55HI/70HI | |
| HY628100BLLT1-E | | | | | | M5M51008DVP-55HI/70HI | |
| HY628100BLT1-I | | | | | -40C to 85C | M5M51008DVP-55HI/70HI | |
| HY628100BLLT1-I | | | | | | M5M51008DVP-55HI/70HI | |
| HY62U8100BLLG | 2.7V to 3.3V | x8 | SOP | 0C to 70C | M5M5V108DFP-70H | 2.7V to 3.6V | |
| HY62U8100BLLT1 | | | TSOP | | M5M5V108DVP-70H | 2.7V to 3.6V | |
| HY62U8100BLLR1 | | | TSOP(Re) | | NA | 2.7V to 3.6V | |
| HY62U8100BLLST | | | sTSOP | | M5M5V108DKV-70H | 2.7V to 3.6V | |
| HY62U8100BLLSR | | | sTSOP(Re) | | NA | 2.7V to 3.6V | |
| HY62U8100BLLG-E | | | SOP | | -25C to 85C | M5M5V108DFP-70HI | 2.7V to 3.6V |
| HY62U8100BLLT1-E | | | TSOP | M5M5V108DVP-70HI | | 2.7V to 3.6V | |
| HY62U8100BLLR1-E | | | TSOP(Re) | NA | | 2.7V to 3.6V | |
| HY62U8100BLLST-E | | | sTSOP | M5M5V108DKV-70HI | | 2.7V to 3.6V | |
| HY62U8100BLLSR-E | | | sTSOP(Re) | NA | | 2.7V to 3.6V | |
| HY62U8100BLLG-I | | | SOP | -40C to 85C | | M5M5V108DFP-70HI | 2.7V to 3.6V |
| HY62U8100BLLT1-I | | | TSOP | | M5M5V108DVP-70HI | 2.7V to 3.6V | |
| HY62U8100BLLR1-I | | | TSOP(Re) | | NA | 2.7V to 3.6V | |
| HY62U8100BLLST-I | | | sTSOP | | M5M5V108DKV-70HI | 2.7V to 3.6V | |
| HY62U8100BLLSR-I | | | sTSOP(Re) | | NA | 2.7V to 3.6V | |

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|------------------|--------------|-----|-----------|-----------|-----------------|--------------|------------------|--------------|
| HY62V8100BLLG | 3.0V to 3.6V | | SOP | 0C to 70C | M5M5V108DFP-70H | 2.7V to 3.6V | | |
| HY62V8100BLLT1 | | | TSOP | | M5M5V108DVP-70H | 2.7V to 3.6V | | |
| HY62V8100BLLR1 | | | TSOP(Re) | | NA | 2.7V to 3.6V | | |
| HY62V8100BLLST | | | sTSOP | | M5M5V108DKV-70H | 2.7V to 3.6V | | |
| HY62V8100BLLSR | | | sTSOP(Re) | | NA | 2.7V to 3.6V | | |
| HY62V8100BLLG-E | | | | | SOP | -25C to 85C | M5M5V108DFP-70HI | 2.7V to 3.6V |
| HY62V8100BLLT1-E | | | | | TSOP | | M5M5V108DVP-70HI | 2.7V to 3.6V |
| HY62V8100BLLR1-E | | | | | TSOP(Re) | | NA | 2.7V to 3.6V |
| HY62V8100BLLST-E | | | | | sTSOP | | M5M5V108DKV-70HI | 2.7V to 3.6V |
| HY62V8100BLLSR-E | | | | | sTSOP(Re) | | NA | 2.7V to 3.6V |
| HY62V8100BLLG-I | | | | | SOP | -40C to 85C | M5M5V108DFP-70HI | 2.7V to 3.6V |
| HY62V8100BLLT1-I | | | | | TSOP | | M5M5V108DVP-70HI | 2.7V to 3.6V |
| HY62V8100BLLR1-I | | | | | TSOP(Re) | | NA | 2.7V to 3.6V |
| HY62V8100BLLST-I | | | | | sTSOP | | M5M5V108DKV-70HI | 2.7V to 3.6V |
| HY62V8100BLLSR-I | | | | | sTSOP(Re) | | NA | 2.7V to 3.6V |
| HY62LF16101C | 2.3V to 2.7V | x16 | | | NA | | | |
| HY62QF16101C | 3V | | | | NA | | | |
| HY62UF16101C | 2.7V to 3.3V | | | | NA | | | |

Hynix vs Renesas

2Mb LPSRAM

| Part Number | Voltage | Organization | Package | Temp. | Renesas Part Number | Renesas specification | | |
|------------------|--------------|--------------|--------------|-------------|---------------------|-----------------------|-----------------------|-----------------------------|
| HY62U8200BLLT1 | 2.7V to 3.3V | x8 | TSOP | 0C to 70C | NA | | | |
| HY62U8200BLLR1 | | | TSOP(Re) | | NA | | | |
| HY62U8200BLLST | | | sTSOP | | NA | | | |
| HY62U8200BLLSR | | | sTSOP(Re) | | NA | | | |
| HY62U8200BLLT1-E | | | TSOP | -25C to 85C | NA | | | |
| HY62U8200BLLR1-E | | | TSOP(Re) | | NA | | | |
| HY62U8200BLLST-E | | | sTSOP | | M5M5V208AKV-70HI | 2.7V to 3.6V | | |
| HY62U8200BLLSR-E | | | sTSOP(Re) | | NA | | | |
| HY62U8200BLLT1-I | | | TSOP | -40C to 85C | NA | | | |
| HY62U8200BLLR1-I | | | TSOP(Re) | | NA | | | |
| HY62U8200BLLST-I | | | sTSOP | | M5M5V208AKV-70HI | 2.7V to 3.6V | | |
| HY62U8200BLLSR-I | | | sTSOP(Re) | | NA | | | |
| HY62V8200BLLT1 | | | 3.0V to 3.6V | x8 | TSOP | 0C to 70C | NA | |
| HY62V8200BLLR1 | | | | | TSOP(Re) | | NA | |
| HY62V8200BLLST | | | | | sTSOP | | NA | |
| HY62V8200BLLSR | | | | | sTSOP(Re) | | NA | |
| HY62V8200BLLT1-E | TSOP | -25C to 85C | | | NA | | | |
| HY62V8200BLLR1-E | TSOP(Re) | | | | NA | | | |
| HY62V8200BLLST-E | sTSOP | | | | M5M5V208AKV-70HI | 2.7V to 3.6V | | |
| HY62V8200BLLSR-E | sTSOP(Re) | | | | NA | | | |
| HY62V8200BLLT1-I | TSOP | -40C to 85C | | | NA | | | |
| HY62V8200BLLR1-I | TSOP(Re) | | | | NA | | | |
| HY62V8200BLLST-I | sTSOP | | | | M5M5V208AKV-70HI | 2.7V to 3.6V | | |
| HY62V8200BLLSR-I | sTSOP(Re) | | | | NA | | | |
| HY62LF16201A | 2.3V to 2.7V | x16 | | | TSOP I | | M5M5V216ATP-55HI/70HI | TSOP II(44pin),2.7V to 3.6V |
| HY62QF16201A | 3V | | | | | | M5M5V216ATP-55HI/70HI | TSOP II(44pin),2.7V to 3.6V |
| HY62UF16201A | 2.7 to 3.3V | | | | FBGA | | NA | |

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|--------------|--------------|--|------|--|----|--|
| HY62SF16201A | 1.7V to 2.3V | | FBGA | | NA | |
|--------------|--------------|--|------|--|----|--|

Hynix vs Renesas

4Mb LPSRAM

| Part Number | Voltage | Organization | Package | Temp. | Renesas Part Number | Renesas specification |
|------------------|--------------|-----------------|----------|-------------|---------------------|-----------------------|
| HY628400ALG | 4.5V to 5.5V | x8 | SOP | 0C to 70C | R1LP0408CSP-7LC | |
| HY628400ALLG | | | | | R1LP0408CSP-5SC | |
| HY628400ALG-E | | | | -25C to 85C | R1LP0408CSP-7LI | |
| HY628400ALLG-E | | | | | R1LP0408CSP-5SI | |
| HY628400ALG-I | | | | -40C to 85C | R1LP0408CSP-7LI | |
| HY628400ALLG-I | | | | | R1LP0408CSP-5SI | |
| HY628400ALT2 | | | TSOP | 0C to 70C | R1LP0408CSB-7LC | |
| HY628400ALLT2 | | | | | R1LP0408CSB-5SC | |
| HY628400ALT2-E | | | | -25C to 85C | R1LP0408CSB-7LI | |
| HY628400ALLT2-E | | | | | R1LP0408CSB-5SI | |
| HY628400ALT2-I | | | | -40C to 85C | R1LP0408CSB-7LI | |
| HY628400ALLT2-I | | | | | R1LP0408CSB-5SI | |
| HY628400ALR | | | TSOP(Re) | 0C to 70C | R1LP0408CSC-7LC | |
| HY628400ALLR | | | | | R1LP0408CSC-5SC | |
| HY628400ALR-E | | | | -25C to 85C | R1LP0408CSC-7LI | |
| HY628400ALLR-E | | | | | R1LP0408CSC-5SI | |
| HY628400ALR-I | -40C to 85C | R1LP0408CSC-7LI | | | | |
| HY628400ALLR-I | | R1LP0408CSC-5SI | | | | |
| HY62U8400ALLG | 2.7V to 3.3V | x8 | SOP | 0C to 70C | R1LV0408CSP-7LC/5SC | 2.7V to 3.6V |
| HY62U8400ALLG-E | | | | -25C to 85C | R1LV0408CSP-7LI/5SI | 2.7V to 3.6V |
| HY62U8400ALLG-I | | | | -40C to 85C | R1LV0408CSP-7LI/5SI | 2.7V to 3.6V |
| HY62U8400ALLT2 | | | TSOP | 0C to 70C | R1LV0408CSB-7LC/5SC | 2.7V to 3.6V |
| HY62U8400ALLT2-E | | | | -25C to 85C | R1LV0408CSB-7LI/5SI | 2.7V to 3.6V |
| HY62U8400ALLT2-I | | | | -40C to 85C | R1LV0408CSB-7LI/5SI | 2.7V to 3.6V |
| HY62U8400ALLR2 | | | TSOP(Re) | 0C to 70C | NA | 2.7V to 3.6V |
| HY62U8400ALLR2-E | | | | -25C to 85C | NA | 2.7V to 3.6V |
| HY62U8400ALLR2-I | | | | -40C to 85C | NA | 2.7V to 3.6V |

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|------------------|--------------|-----|-----|-------------|---------------------|---------------------|--------------|
| HY62V8400ALLG | 3.0V to 3.6V | | SOP | 0C to 70C | R1LV0408CSP-7LC/5SC | 2.7V to 3.6V | |
| HY62V8400ALLG-E | | | | -25C to 85C | R1LV0408CSP-7LI/5SI | 2.7V to 3.6V | |
| HY62V8400ALLG-I | | | | -40C to 85C | R1LV0408CSP-7LI/5SI | 2.7V to 3.6V | |
| HY62V8400ALLT2 | | | | TSOP | 0C to 70C | R1LV0408CSB-7LC/5SC | 2.7V to 3.6V |
| HY62V8400ALLT2-E | | | | | -25C to 85C | R1LV0408CSB-7LI/5SI | 2.7V to 3.6V |
| HY62V8400ALLT2-I | | | | | -40C to 85C | R1LV0408CSB-7LI/5SI | 2.7V to 3.6V |
| HY62V8400ALLR2 | | | | TSOP(Re) | 0C to 70C | NA | 2.7V to 3.6V |
| HY62V8400ALLR2-E | | | | | -25C to 85C | NA | 2.7V to 3.6V |
| HY62V8400ALLR2-I | | | | | -40C to 85C | NA | 2.7V to 3.6V |
| HY62KF16403 | 2.7V to 3.6V | x16 | | | R1LV0416C | CS2pin,2.7V to 3.6V | |
| HY62LF16404 | 2.3V to 2.7V | | | | R1LV0416C | CS2pin,2.7V to 3.6V | |
| HY62UF16403 | 2.7 to 3.3V | | | | R1LV0416C | CS2pin,2.7V to 3.6V | |
| HY62UF16404 | | | | | R1LV0416C | CS2pin,2.7V to 3.6V | |
| HY62SF16403 | 1.7V to 2.3V | | | | NA | | |
| HY62SF16404 | | | | | NA | | |

Hynix vs Renesas

8Mb LPSRAM

| Part Number | Voltage | Organization | Package | Renesas Part Number | Renesas specification |
|--------------|--------------|--------------|---------|----------------------|-----------------------|
| HY62LF16804A | 2.3V to 2.7V | x16 | uBGA | M5M5W816WG-55HI/70HI | 2.7V to 3.6V,FBGA |
| HY62LF16806 | | | | | |
| HY62UF16800 | 2.7 to 3.3V | | | | |
| HY62UF16804 | | | | | |
| HY62UF16806 | | | | | |