

| Capacity                                | Type No.                                | Organization   | Max. Access Time (ns) |                  |                 | Min. Cycle Time (ns) | Power Supply (V) | Max. Power Dissipation(mW) |                | No. of Pins                               | Functional Mode   |           |     |     |                            |                                    |
|---|---|----------------|-----------------------|------------------|-----------------|----------------------|------------------|----------------------------|----------------|---|---|-----------|-----|-----|----------------------------|------------------------------------|
|   |   |                | t <sub>RAC</sub>      | t <sub>CAC</sub> | t <sub>AA</sub> |                      |                  | Active                     | Stand by       |   |   |           |     |     |                            |                                    |
| 4M Bit                                  | TC514280BJLL/BZLL-70                    | 262144         | 70                    | 20               | 35              | 130                  | 5V±10%           | 605                        | 1.1<br>(200µA) | 40/40                                     | 2CAS, 1WE<br>Fast Page Mode<br>Low Power Self. Refresh<br>512 Refresh Cycle |           |     |     |                            |                                    |
|   | TC514280BJLL/BZLL-80                    | x 18           | 80                    | 20               | 40              | 150                  |                  | 523                        |                |   |   |           |     |     |                            |                                    |
| 16M BR                                  | TC5116100J/Z/FT/TR-60                   | 1677218<br>X 1 | 60                    | 15               | 30              | 110                  | 5V±10%           | 495                        | 5.5            | 28/24/28/28<br>TSOP-II<br>400mil (FT, TR) | Fast Page Mode<br>4K Refresh Cycle  |           |     |     |                            |                                    |
|   | TC5116100J/Z/FT/TR-70                   |                | 70                    | 20               | 35              | 130                  |                  | 440                        |                |   |   |           |     |     |                            |                                    |
|   | TC5116100BSJ/BZ/BFT/BST/BTR/BSP**BVK-50 |                | 50                    | 13               | 25              | 90                   |                  | 550                        |                |   |   |           |     |     |                            |                                    |
|   | TC5116100BSJ/BZ/BFT/BST/BTR/BSP**BVK-60 |                | 60                    | 15               | 30              | 110                  |                  | 440                        |                |   |   |           |     |     |                            |                                    |
|   | TC5116100BSJ/BZ/BFT/BST/BTR/BSP**BVK-70 |                | 70                    | 20               | 35              | 130                  |                  | 385                        |                |   |   |           |     |     |                            |                                    |
|   | **TC5116105BSJ/BST-50                   |                | 50                    | 12               | 22              | 84                   |                  | 550                        |                |   |   |           |     |     |                            |                                    |
|   | **TC5116105BSJ/BST-60                   |                | 60                    | 15               | 30              | 104                  |                  | 440                        |                |   |   |           |     |     |                            |                                    |
|   | *TC51V16100BSJ/BST-60                   |                | 60                    | 15               | 30              | 110                  |                  | 288                        |                |   |   |           |     |     |                            |                                    |
|   | *TC51V16100BSJ/BST-70                   |                | 70                    | 20               | 35              | 130                  |                  | 252                        |                |   |   |           |     |     |                            |                                    |
|   | **TC51V16105BSJ/BST-60                  |                | 60                    | 15               | 30              | 104                  |                  | 288                        |                |   |   |           |     |     |                            |                                    |
|   | **TC51V16105BSJ/BST-70                  |                | 70                    | 20               | 35              | 124                  |                  | 252                        |                |   |   |           |     |     |                            |                                    |
|   | TC5116400J/Z/FT/TR-60                   |                | 4194304<br>x 4        | 60               | 15              | 30                   |                  | 110                        |                |   |   | 3.3V±0.3V | 495 | 1.8 | 26/26<br>TSOP-II<br>300mil | Fast Page Mode<br>4K Refresh Cycle |
|   | TC5116400J/Z/FT/TR-70                   |                |                       | 70               | 20              | 35                   |                  | 130                        |                |   |   |           | 440 |     |                            |                                    |
|   | TC5116400BSJ/BZ/BFT/BST/BTR/BSP**BVK-50 |                |                       | 50               | 13              | 25                   |                  | 90                         |                |   |   |           | 550 |     |                            |                                    |
|   | TC5116400BSJ/BZ/BFT/BST/BTR/BSP**BVK-60 |                |                       | 60               | 15              | 30                   |                  | 110                        |                |   |   |           | 440 |     |                            |                                    |
|   | TC5116400BSJ/BZ/BFT/BST/BTR/BSP**BVK-70 |                |                       | 70               | 20              | 35                   |                  | 130                        |                |   |   |           | 385 |     |                            |                                    |
|   | **TC5116405BSJ/BST-50                   |                |                       | 50               | 12              | 22                   |                  | 84                         |                |   |   |           | 550 |     |                            |                                    |
|   | **TC5116405BSJ/BST-60                   |                |                       | 60               | 15              | 30                   |                  | 104                        |                |   |   |           | 440 |     |                            |                                    |
|   | **TC5116440BSJ/BST-50                   |                |                       | 50               | 13              | 25                   |                  | 90                         |                |   |   |           | 550 |     |                            |                                    |
|   | **TC5116440BSJ/BST-60                   |                |                       | 60               | 15              | 30                   |                  | 110                        |                |   |   |           | 440 |     |                            |                                    |
|   | **TC5116440BSJ/BST-70                   |                |                       | 70               | 20              | 35                   |                  | 130                        |                |   |   |           | 385 |     |                            |                                    |
|   | **TC5116445BSJ/BST-50                   |                |                       | 50               | 12              | 22                   |                  | 84                         |                |   |   |           | 550 |     |                            |                                    |
|   | **TC5116445BSJ/BST-60                   |                |                       | 60               | 15              | 30                   |                  | 104                        |                |   |   |           | 440 |     |                            |                                    |
|   | *TC51V16400BSJ/BST-60                   |                |                       | 60               | 15              | 30                   |                  | 110                        |                |   |   |           | 288 |     |                            |                                    |
|   | *TC51V16400BSJ/BST-70                   |                |                       | 70               | 20              | 35                   |                  | 130                        |                |   |   |           | 252 |     |                            |                                    |
|   | **TC51V16405BSJ/BST-60                  |                |                       | 60               | 15              | 30                   |                  | 104                        |                |   |   |           | 288 |     |                            |                                    |
|   | **TC51V16405BSJ/BST-70                  |                |                       | 70               | 20              | 35                   |                  | 124                        |                |   |   |           | 252 |     |                            |                                    |
|   | **TC51V16440BSJ/BST-60                  |                |                       | 60               | 15              | 30                   |                  | 110                        |                |   |   |           | 288 |     |                            |                                    |
| **TC51V16440BSJ/BST-70                  | 70                                      | 20             |                       | 35               | 130             | 252                  |                  |                            |                |   |   |           |     |     |                            |                                    |
| TC5117400J/Z/FT/TR-60                   | 4194304<br>x 4                          | 60             |                       | 15               | 30              | 110                  | 3.3V±0.3V        | 715                        | 1.8            | 26/26<br>TSOP-II<br>300mil                | Fast Page Mode<br>4K Refresh Cycle<br>4CAS Function                         |           |     |     |                            |                                    |
| TC5117400J/Z/FT/TR-70                   |   | 70             |                       | 20               | 35              | 130                  |                  | 605                        |                |   |   |           |     |     |                            |                                    |
| TC5117400BSJ/BZ/BFT/BST/BTR/BSP**BVK-50 |   | 50             |                       | 13               | 25              | 90                   |                  | 715                        |                |   |   |           |     |     |                            |                                    |
| TC5117400BSJ/BZ/BFT/BST/BTR/BSP**BVK-60 |   | 60             |                       | 15               | 30              | 110                  |                  | 605                        |                |   |   |           |     |     |                            |                                    |
| TC5117400BSJ/BZ/BFT/BST/BTR/BSP**BVK-70 |   | 70             |                       | 20               | 35              | 130                  |                  | 523                        |                |   |   |           |     |     |                            |                                    |
| **TC5117405BSJ/BST-50                   |   | 50             |                       | 12               | 22              | 84                   |                  | 715                        |                |   |   |           |     |     |                            |                                    |
| **TC5117405BSJ/BST-60                   |   | 60             |                       | 15               | 30              | 104                  |                  | 605                        |                |   |   |           |     |     |                            |                                    |
| **TC5117440BSJ/BST-50                   |   | 50             |                       | 13               | 25              | 90                   |                  | 715                        |                |   |   |           |     |     |                            |                                    |
| **TC5117440BSJ/BST-60                   |   | 60             |                       | 15               | 30              | 110                  |                  | 605                        |                |   |   |           |     |     |                            |                                    |
| **TC5117440BSJ/BST-70                   |   | 70             |                       | 20               | 35              | 130                  |                  | 523                        |                |   |   |           |     |     |                            |                                    |
| **TC5117445BSJ/BST-50                   |   | 50             | 12                    | 22               | 84              | 715                  |                  |                            |                |   |   |           |     |     |                            |                                    |
| **TC5117445BSJ/BST-60                   |   | 60             | 15                    | 30               | 104             | 605                  |                  |                            |                |   |   |           |     |     |                            |                                    |
| *TC51V17400BSJ/BST-60                   |   | 60             | 15                    | 30               | 110             | 360                  |                  |                            |                |   |   |           |     |     |                            |                                    |
| *TC51V17400BSJ/BST-70                   |   | 70             | 20                    | 35               | 130             | 324                  |                  |                            |                |   |   |           |     |     |                            |                                    |
| **TC51V17405BSJ/BST-60                  |   | 60             | 15                    | 30               | 104             | 360                  |                  |                            |                |   |   |           |     |     |                            |                                    |
| **TC51V17405BSJ/BST-70                  |   | 70             | 20                    | 35               | 124             | 324                  |                  |                            |                |   |   |           |     |     |                            |                                    |
| **TC51V17440BSJ/BST-60                  |   | 60             | 15                    | 30               | 110             | 360                  |                  |                            |                |   |   |           |     |     |                            |                                    |
| **TC51V17440BSJ/BST-70                  |   | 70             | 20                    | 35               | 130             | 324                  |                  |                            |                |   |   |           |     |     |                            |                                    |

J/SJ: SOJ, Z:ZIP, FT/ST (forward lead): TSOP, TRVSR (reverse lead) : TSOP

\* New Product \*\* Under Development