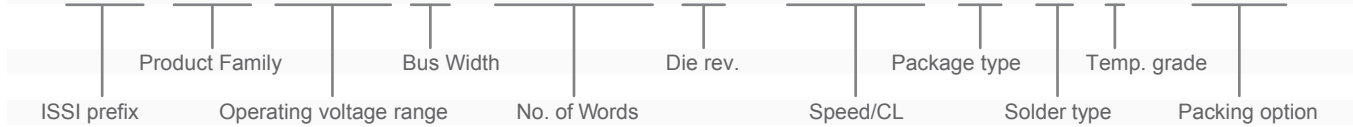




IS 43 DR 8 1280 B -25D B L I -TR



SDRAM Product Family

- 41 = Asynchronous
- 42 = SDR Commercial/Industrial grade
- 43 = DDR/DDR2/DDR3 Commercial/Industrial grade
- 45 = SDR Automotive grade
- 46 = DDR/DDR2/DDR3 Automotive grade

Operating Voltage Range

Asynchronous: Fast Page and EDO

- C = 5V
- LV = 3.3V

Synchronous

- S = 3.3V SDR
- SM/RM/VM = 3.3V/2.5V/1.8V mobile SDR
- VS = 1.8V SDR
- R = 2.5V DDR or 2.5V SDR
- LR = 1.8V mobile DDR
- DR = DDR2
- TR = DDR3

Words

- 100 = 1M
- 200 = 2M
- ...
- 160 = 16M
- 320 = 32M

Bus Width

- 8 = x8
- 16 = x16
- 32 = x32

Speed

- 7 = up to 143Mhz
- 6 = up to 166Mhz
- 75 = up to 133Mhz @ CL2
- 5 = up to 200Mhz
- 37 = up to 266Mhz
- 3 = up to 333Mhz
- 25 = up to 400Mhz
- 187 = up to 533Mhz (DDR3 -1066)
- 15 up to 667Mhz (DDR3 -1333)
- 125 = up to 800Mhz (DDR3-1600)

CAS Latency (CL)

- B = 3, C = 4, D = 5, E = 6, F = 7, G = 8, H = 9, J = 10, K = 11, L = 12, M = 13
- (Not all speeds and CL's available for all products.)

Generation (Rev)

- A - Z

Package Type

- B = BGA
- CT = Copper TSOP
- T = TSOP

Solder Type

- Blank = Sn/Pb
- N = NiPdAu plating
- L = 100% matte Sn for non-BGA
- L = SnAgCu for BGA

Temperature Grade

- Blank = Commercial Grade (0C to +70C)
- I = Industrial Grade (-40C to +85C)
- A1 = Automotive Grade (-40C to +85C)
- A2 = Automotive Grade (-40C to +105C)
- (Ambient temperature limits shown for most products)