ISSI® Integrated Silicon Solution, Inc.

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

ISSI prefix	Product Family	Operating voltage range	Bus Width	No. of Words	Die rev.	Speed/CL	Package type	Solder type	Temp. grade	Packing option
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)