MONZA 6 TID MEMORY BANK

Word	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
50_h-$5F_h$	0	0	0	0	1	0	0	0	1	1	0	1	1	1	1	1
40_h-$4F_h$	1	1	0	0	1	1	0	0	1	1	1	0	1	0	1	1
30_h-$3F_h$	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	1
20_h-$2F_h$	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
10_h-$1F_h$	0	0	0	1	0	0	0	1	0	1	1	1	0	0	0	0
00_h-$0F_h$	1	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0

MEMORY MAP LEGEND

Segment	Location	Bits	Binary	Value
ISO / IEC 15963 Class Identifier	00_h-07_h	8	11100010	GS1 EPCglobal Class 1 Gen 2
XTID Indicator (X bit)	08_h	1	1	Indicates the presence of an extended TID (XTID)
Security Indicator (S bit)	09_h	1	0	Does not implement *Authenticate* or *Challenge* commands
File Indicator (F bit)	$0A_h$	1	0	Does not implement the *FileOpen* command
Mask Designer Identifier (MDID)	$0B_h$-13_h	9*	000000001	Impinj
Tag Model Number (TMN)	14_h-$1F_h$	12	000101110000	Tag model number (Monza R6-P)
EPC Tag Data Standard Header	20_h-$2F_h$	16	0010000000000000	Supports extended TID (XTID) – 48-bit SN
Wafer Mask Revision	30_h-32_h	3	000	Indicates the Mask Revision for the tag
Integra™ TID Parity	33_h	1	1	Bit is set to guarantee bits 30:5F have even parity
Reserved for Future Use	50_h-52_h	3	000	
Monza Series ID	53_h-54_h	2	01	Supports Series 0 – Series 3
Monza Series Cycle Counter	34_h	1	0	Series rollover indicator
Serial Number		38	00011011111111001100 11101011000100010 01	30037989513 (decimal)

**The GS1 currently defines the MDID as the 9 bit value from $0B_h$ to 13_h in the Tag Data Standard (TDS). A previous TDS definition included the X, S and F bits in the MDID. For applications using a 12-bit MDID, the value would be 100000000001_b or 801_h.*