SAM Dataword (historic)

Not used		SAM# (1..12)				SAM Pos (x,y) (0/1)	ROC# (1..5)			LVL1 Bus (0/1)	Motherboard# (1..3)		TDC# (1..12)				TDC Channel# 12-14:ch#(0..7) 11:hit#(0,1)				Data((= 2^{11}*240ps)*2)										
A20	A19	A18	A17	A16	A15	A14	A13	A12	A11	A10	A9	A8	A7	A6	A5	A4	A3	A2	A1	A0	D11	D10	D9	D8	D7	D6	D5	D4	D3	D2	D1
31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0

TRB dataword with MDC add – on V1

Motherboard#(0..2)		TRB port # (1..16)					TDC# (1..12)				TDC channel# (12-14): ch#(0..7) 11:hit#(0,1)				Data										
A14	A13	A12	A11	A10	A9	A8	A7	A6	A5	A4	A3	A2	A1	A0	D11	D10	D9	D8	D7	D6	D5	D4	D3	D2	D1
25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0

OEP dataword

Trigger type		TDC# (1..12)				Channel# (1..8)				TDC hit# 1											TDC hit# 0										
31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0