Code Summary

Input Data (first RS transfer / second RS transfer)	Sync [0]	Sync [1]	Bit fields [2]							[65]
$D_0D_1D_2D_3/D_4D_5D_6D_7$	0	1	D_0 [0] [7]	D_1 [0] [7]	D_2 [0] [7]	D_3 [0] [7]	D_4 [0] [7]	D_5 [0] [7]	D_6 [0] [7]	D_7 [0] [7]
$Z_0Z_1Z_2Z_3/Z_4Z_5Z_6Z_7$	1	0	0x1e "01111000"	C_0 [0] [6]	C_1 [0] [6]	C_2 [0] [6]	C_3 [0] [6]	C_4 [0] [6]	C_5 [0] [6]	C_6 [0] [6]	C_7 [0] [6]
$Z_0Z_1Z_2Z_3/S_4D_5D_6D_7$	1	0	0x33	C_0	C_1	C_2	C_3		D_5	D_6	D_7
$S_0D_1D_2D_3/D_4D_5D_6D_7$	1	0	0x78	D_1	D_2	D_3	D_4	D_5	D_6	D_7	
$T_0Z_1Z_2Z_3/Z_4Z_5Z_6Z_7$	1	0	0x87		C_1	C_2	C_3	C_4	C_5	C_6	C_7
$D_0T_1Z_2Z_3/Z_4Z_5Z_6Z_7$	1	0	0x99	D_0		C_2	C_3	C_4	C_5	C_6	C_7
$D_0D_1T_2Z_3/Z_4Z_5Z_6Z_7$	1	0	0xaa	D_0	D_1		C_3	C_4	C_5	C_6	C_7
$D_0D_1D_2T_3/Z_4Z_5Z_6Z_7$	1	0	0xb4	D_0	D_1	D_2		C_4	C_5	C_6	C_7
$D_0D_1D_2D_3/T_4Z_5Z_6Z_7$	1	0	0xcc	D_0	D_1	D_2	D_3		C_5	C_6	C_7
$D_0D_1D_2D_3/D_4T_5Z_6Z_7$	1	0	0xd2	D_0	D_1	D_2	D_3	D_4		C_6	C_7
$D_0D_1D_2D_3/D_4D_5T_6Z_7$	1	0	0xe1	D_0	D_1	D_2	D_3	D_4	D_5		C_7
$D_0D_1D_2D_3/D_4D_5D_6T_7$	1	0	0xff	D_0	D_1	D_2	D_3	D_4	D_5	D_6	

- all undefined bit fields (in yellow) are set to zero for 10GbE

RS “Z” code to 7 bit “C” field mapping

RS Z value	name	shorthand	7-bit C field line code
0x07,1	idle	[I]	0x00
0xfb,1	start	[S]	encoded by TYPE byte
0xfd,1	terminate	[T]	encoded by TYPE byte
0xfe,1	error	[E]	0x1e
0x1c,1	reserved0	-	0x2d
0x3c,1	reserved1	-	0x33
0x7c,1	reserved2	-	0x4b
0xbc,1	reserved3	-	0x55
0xdc,1	reserved4	-	0x66
0xf7,1	reserved5	-	0x78

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$D_0D_1D_2D_3/D_4D_5D_6D_7$	0	1	D_0 [0] [7]	D_1 [0] [7]	D_2 [0] [7]	D_3 [0] [7]	D_4 [0] [7]	D_5 [0] [7]	D_6 [0] [7]	D_7 [0] [7]
$Z_0Z_1Z_2Z_3/Z_4Z_5Z_6Z_7$	1	0	0x1e "01111000"	C_0 [0] [6]	C_1 [0] [6]	C_2 [0] [6]	C_3 [0] [6]	C_4 [0] [6]	C_5 [0] [6]	C_6 [0] [6]	C_7 [0] [6]
$Z_0Z_1Z_2Z_3/S_4D_5D_6D_7$	1	0	0x33	C_0	C_1	C_2	C_3		D_5	D_6	D_7
$S_0D_1D_2D_3/D_4D_5D_6D_7$	1	0	0x78	D_1	D_2	D_3	D_4	D_5	D_6	D_7	
$T_0Z_1Z_2Z_3/Z_4Z_5Z_6Z_7$	1	0	0x87		C_1	C_2	C_3	C_4	C_5	C_6	C_7
$D_0T_1Z_2Z_3/Z_4Z_5Z_6Z_7$	1	0	0x99	D_0		C_2	C_3	C_4	C_5	C_6	C_7
$D_0D_1T_2Z_3/Z_4Z_5Z_6Z_7$	1	0	0xaa	D_0	D_1		C_3	C_4	C_5	C_6	C_7
$D_0D_1D_2T_3/Z_4Z_5Z_6Z_7$	1	0	0xb4	D_0	D_1	D_2		C_4	C_5	C_6	C_7
$D_0D_1D_2D_3/T_4Z_5Z_6Z_7$	1	0	0xcc	D_0	D_1	D_2	D_3		C_5	C_6	C_7
$D_0D_1D_2D_3/D_4T_5Z_6Z_7$	1	0	0xd2	D_0	D_1	D_2	D_3	D_4		C_6	C_7
$D_0D_1D_2D_3/D_4D_5T_6Z_7$	1	0	0xe1	D_0	D_1	D_2	D_3	D_4	D_5		C_7
$D_0D_1D_2D_3/D_4D_5D_6T_7$	1	0	0xff	D_0	D_1	D_2	D_3	D_4	D_5	D_6	

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0x7c,1	reserved2	-	0x4b
0xbc,1	reserved3	-	0x55
0xdc,1	reserved4	-	0x66
0xf7,1	reserved5	-	0x78