

SP02 LUT Address & Data Fields

Local Phi LUT 512K x 16	
LP_A18	Spare
LP_A17	Spare
LP_A16	Left/Right
LP_A15	Quality_3
LP_A14	Quality_2
LP_A13	Quality_1
LP_A12	Quality_0
LP_A11	CLCT Pattern #_3
LP_A10	CLCT Pattern #_2
LP_A9	CLCT Pattern #_1
LP_A8	CLCT Pattern #_0
LP_A7	CLCT Pattern ID_7
LP_A6	CLCT Pattern ID_6
LP_A5	CLCT Pattern ID_5
LP_A4	CLCT Pattern ID_4
LP_A3	CLCT Pattern ID_3
LP_A2	CLCT Pattern ID_2
LP_A1	CLCT Pattern ID_1
LP_A0	CLCT Pattern ID_0

Global Eta LUT 512K x 16	
GE_A18	CSC ID_3
GE_A17	CSC ID_2
GE_A16	CSC ID_1
GE_A15	CSC ID_0
GE_A14	Wire Group ID_6
GE_A13	Wire Group ID_5
GE_A12	Wire Group ID_4
GE_A11	Wire Group ID_3
GE_A10	Wire Group ID_2
GE_A9	Wire Group ID_1
GE_A8	Wire Group ID_0
GE_A7	Phi Local_9
GE_A6	Phi Local_8
GE_A5	PhiBend Local_5
GE_A4	PhiBend Local_4
GE_A3	PhiBend Local_3
GE_A2	PhiBend Local_2
GE_A1	PhiBend Local_1
GE_A0	PhiBend Local_0

Global Phi LUT 512K x 16	
GP_A18	CSC ID_3
GP_A17	CSC ID_2
GP_A16	CSC ID_1
GP_A15	CSC ID_0
GP_A14	Wire Group ID_6
GP_A13	Wire Group ID_5
GP_A12	Wire Group ID_4
GP_A11	Wire Group ID_3
GP_A10	Wire Group ID_2
GP_A9	Phi Local_9
GP_A8	Phi Local_8
GP_A7	Phi Local_7
GP_A6	Phi Local_6
GP_A5	Phi Local_5
GP_A4	Phi Local_4
GP_A3	Phi Local_3
GP_A2	Phi Local_2
GP_A1	Phi Local_1
GP_A0	Phi Local_0

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DT Phi LUT 512K x 16	
ME1 Muons Only	
DT_A18	CSC ID_3
DT_A17	CSC ID_2
DT_A16	CSC ID_1
DT_A15	CSC ID_0
DT_A14	Wire Group ID_6
DT_A13	Wire Group ID_5
DT_A12	Wire Group ID_4
DT_A11	Wire Group ID_3
DT_A10	Wire Group ID_2
DT_A9	Phi Local_9
DT_A8	Phi Local_8
DT_A7	Phi Local_7
DT_A6	Phi Local_6
DT_A5	Phi Local_5
DT_A4	Phi Local_4
DT_A3	Phi Local_3
DT_A2	Phi Local_2
DT_A1	Phi Local_1
DT_A0	Phi Local_0

PT LUT 2M x 16	
PT_A20	Sign
PT_A19	Mode_3
PT_A18	Mode_2
PT_A17	Mode_1
PT_A16	Mode_0
PT_A15	Eta_3
PT_A14	Eta_2
PT_A13	Eta_1
PT_A12	Eta_0
PT_A11	Delta23 Phi_3
PT_A10	Delta23 Phi_2
PT_A9	Delta23 Phi_1
PT_A8	Delta23 Phi_0
PT_A7	Delta12 Phi_7
PT_A6	Delta12 Phi_6
PT_A5	Delta12 Phi_5
PT_A4	Delta12 Phi_4
PT_A3	Delta12 Phi_3
PT_A2	Delta12 Phi_2
PT_A1	Delta12 Phi_1
PT_A0	Delta12 Phi_0

LP_D15	PhiBend Local_5
LP_D14	PhiBend Local_4
LP_D13	PhiBend Local_3
LP_D12	PhiBend Local_2
LP_D11	PhiBend Local_1
LP_D10	PhiBend Local_0
LP_D9	Phi Local_9
LP_D8	Phi Local_8
LP_D7	Phi Local_7
LP_D6	Phi Local_6
LP_D5	Phi Local_5
LP_D4	Phi Local_4
LP_D3	Phi Local_3
LP_D2	Phi Local_2
LP_D1	Phi Local_1
LP_D0	Phi Local_0

GE_D15	not connected
GE_D14	not connected
GE_D13	not connected
GE_D12	not connected
GE_D11	PhiBend Global_4
GE_D10	PhiBend Global_3
GE_D9	PhiBend Global_2
GE_D8	PhiBend Global_1
GE_D7	PhiBend Global_0
GE_D6	Eta Global_6
GE_D5	Eta Global_5
GE_D4	Eta Global_4
GE_D3	Eta Global_3
GE_D2	Eta Global_2
GE_D1	Eta Global_1
GE_D0	Eta Global_0

GP_D15	not connected
GP_D14	not connected
GP_D13	not connected
GP_D12	not connected
GP_D11	Phi Global_11
GP_D10	Phi Global_10
GP_D9	Phi Global_9
GP_D8	Phi Global_8
GP_D7	Phi Global_7
GP_D6	Phi Global_6
GP_D5	Phi Global_5
GP_D4	Phi Global_4
GP_D3	Phi Global_3
GP_D2	Phi Global_2
GP_D1	Phi Global_1
GP_D0	Phi Global_0

DT_D15	not connected
DT_D14	not connected
DT_D13	not connected
DT_D12	not connected
DT_D11	DT Phi Global_11
DT_D10	DT Phi Global_10
DT_D9	DT Phi Global_9
DT_D8	DT Phi Global_8
DT_D7	DT Phi Global_7
DT_D6	DT Phi Global_6
DT_D5	DT Phi Global_5
DT_D4	DT Phi Global_4
DT_D3	DT Phi Global_3
DT_D2	DT Phi Global_2
DT_D1	DT Phi Global_1
DT_D0	DT Phi Global_0

PT_D15	R Valid Charge
PT_D14	R Quality_1
PT_D13	R Quality_0
PT_D12	R Rank_4
PT_D11	R Rank_3
PT_D10	R Rank_2
PT_D9	R Rank_1
PT_D8	R Rank_0
PT_D7	F Valid Charge
PT_D6	F Quality_1
PT_D5	F Quality_0
PT_D4	F Rank_4
PT_D3	F Rank_3
PT_D2	F Rank_2
PT_D1	F Rank_1
PT_D0	F Rank_0