

Crate	Slot	Board Type	Board Name	Clock Source	Phase Shift	Number of Phases per Crate	Maximum Phase Difference in crate	Maximum Time Difference in crate (ns)	
BBC	6	DSM	BB101	RCF		50%	1	0%	
	8	DSM	BB102	RCF		50%			
	10	DSM	ZD101	RCF		50%			
	12	DSM	VP101	RCF		50%			
BBQ	5	TAC	BBC-E-Sm-TAC	BBC-TCD	Adjusted for BBC signals	4	Unknown	Unknown	
							NOTE: Each TAC should really have an independent phase adjust, bringing the total number of phases needed in this crate to 9		
	6	QT	BB001	BBQ-QT-BOC		50%			
	7	TAC	BBC-W-Sm-TAC	BBC-TCD	Adjusted for BBC signals				
	8	QT	BB002	BBQ-QT-BOC		50%			
	9	TAC	BBC-Lg-TAC	BBC-TCD	Adjusted for BBC signals				
	10	QT	BB003	BBQ-QT-BOC		50%			
	11	TAC	VPD-E-th1-TAC	VPD-TCD	Adjusted for VPD signals				
	12	QT	VP001	BBQ-QT-BOC		50%			
	13	TAC	VPD-W-th1-TAC	VPD-TCD	Adjusted for VPD signals				
	14	QT	VP002	BBQ-QT-BOC		50%			
	15	TAC	VPD-E-th2-TAC	VPD-TCD	Adjusted for VPD signals				
	16	QT	VP003	BBQ-QT-BOC		50%			
	17	TAC	VPD-W-th2-TAC	VPD-TCD	Adjusted for VPD signals				
	18	QT	VP004	BBQ-QT-BOC		50%			
	19	TAC	ZDC-TAC	ZDC-TCD	Adjusted for ZDC signals				
	20	QT	ZD001	BBQ-QT-BOC		50%			
21	QT-BOC	BBQ-QT-BOC	RCF		50%				

BC1	5 DSM	BC101	RCF	50%	2	50%	54				
	6 DSM	BC102	RCF	50%							
	7 DSM	BC103	RCF	50%							
	8 DSM	BC104	RCF	50%							
	9 DSM	BC105	RCF	50%							
	10 DSM	BC106	RCF	50%							
	11 DSM	EE101	RCF	50%							
	12 DSM	EE102	RCF	50%							
	13 DSM	EE001	RCF	0%							
	14 DSM	EE002	RCF	0%							
	15 DSM	EE003	RCF	0%							
	16 DSM	EE004	RCF	0%							
	17 DSM	EE005	RCF	0%							
	18 DSM	EE006	RCF	0%							
	19 DSM	EE007	RCF	0%							
	20 DSM	EE008	RCF	0%							
	21 DSM	EE009	RCF	0%							
	BCE	6 DSM	BE001	RCF				0%	1	0%	0
		7 DSM	BE002	RCF				0%			
		8 DSM	BE003	RCF				0%			
		9 DSM	BE004	RCF				0%			
10 DSM		BE005	RCF	0%							
11 DSM		BE006	RCF	0%							
12 DSM		BE007	RCF	0%							
13 DSM		BE008	RCF	0%							
14 DSM		BE009	RCF	0%							
15 DSM		BE010	RCF	0%							
16 DSM		BE011	RCF	0%							
17 DSM		BE012	RCF	0%							
18 DSM		BE013	RCF	0%							
19 DSM		BE014	RCF	0%							
20 DSM		BE015	RCF	0%							

BCW	6 DSM	BW001	RCF	0%	1	0%	0
	7 DSM	BW002	RCF	0%			
	8 DSM	BW003	RCF	0%			
	9 DSM	BW004	RCF	0%			
	10 DSM	BW005	RCF	0%			
	11 DSM	BW006	RCF	0%			
	12 DSM	BW007	RCF	0%			
	13 DSM	BW008	RCF	0%			
	14 DSM	BW009	RCF	0%			
	15 DSM	BW010	RCF	0%			
	16 DSM	BW011	RCF	0%			
	17 DSM	BW012	RCF	0%			
	18 DSM	BW013	RCF	0%			
	19 DSM	BW014	RCF	0%			
	20 DSM	BW015	RCF	0%			
FEQ	6 QT	FE001	FEQ-QT-BOC	50%	1	0%	0
	7 QT	FE002	FEQ-QT-BOC	50%			
	8 QT	FE003	FEQ-QT-BOC	50%			
	9 QT	FE004	FEQ-QT-BOC	50%			
	15 QT	FS001	FEQ-QT-BOC	50%			
	16 QT	FS002	FEQ-QT-BOC	50%			
	17 QT	FS003	FEQ-QT-BOC	50%			
	18 QT	FS004	FEQ-QT-BOC	50%			
	19 QT	FS005	FEQ-QT-BOC	50%			
	20 QT	FS006	FEQ-QT-BOC	50%			
	21 QT-BOC	FEQ-QT-BOC	RCF	50%			
FMS	5 DSM	HC001	RCF	0%	2	50%	54
	6 DSM	FM001	RCF	0%			
	7 DSM	FM002	RCF	0%			
	8 DSM	FM003	RCF	0%			
	9 DSM	FM004	RCF	0%			
	10 DSM	FM101	RCF	50%			

	11 DSM	FM005	RCF	0%			
	12 DSM	FM006	RCF	0%			
	13 DSM	FM007	RCF	0%			
	14 DSM	FM008	RCF	0%			
	15 DSM	FM102	RCF	50%			
	16 DSM	FM009	RCF	0%			
	17 DSM	FM010	RCF	0%			
	18 DSM	FM011	RCF	0%			
	19 DSM	FM012	RCF	0%			
	20 DSM	FM103	RCF	50%			
L1	6 DSM	TF201	RCF	0%		2	50%
	8 DSM	VT201	RCF	0%			
	10 DSM	EM201	RCF	0%			
	13 DSM	BX201	RCF	0%			
	14 DSM	BX202	RCF	0%			
	16 DSM	ST201	RCF	0%			
	18 DSM	FP201	RCF	0%			
	20 TCU	TCU	RCF	50%			
	21 TCUR	TCUR	RCF	0%			
MIX	6 DSM	FE101	RCF	50%		2	50%
	7 DSM	MT101	RCF	50%			
	8 DSM	TF101	RCF	50%			
	10 DSM	TF001	RCF	0%			
	12 DSM	TF002	RCF	0%			
	14 DSM	TF003	RCF	0%			
	16 DSM	TF004	RCF	0%			
	18 DSM	TF005	RCF	0%			
	20 DSM	TF006	RCF	0%			
MXQ	2 QT-BOC	MXQ-QT-BOC	RCF	50%		3	Unknown
	6 QT	MT001	MXQ-QT-BOC	50%			Unknown

7 TAC	MTD-TAC	MTD-TCO	Adjusted for MTD signals	
8 QT	PP001	MXQ-QT-BOC		50%
9 TAC	PP2PP-TAC	PP2PP-TCO	Adjusted for PP2PP signals	
10 QT	PX001	MXQ-QT-BOC		50%

QT1	QT	QT001	QT1-QT-BOC	50%			
	QT	QT002	QT1-QT-BOC	50%			
	QT	QT003	QT1-QT-BOC	50%			
	QT	QT004	QT1-QT-BOC	50%			
	QT	QT005	QT1-QT-BOC	50%			
	QT	QT006	QT1-QT-BOC	50%			
	QT	QT007	QT1-QT-BOC	50%			
	QT	QT008	QT1-QT-BOC	50%			
	QT	QT009	QT1-QT-BOC	50%			
	QT	QT010	QT1-QT-BOC	50%			
	QT	QT011	QT1-QT-BOC	50%			
	QT-BOC	QT1-QT-BOC	RCF	50%			

1 0% 0

QT2	QT	QT001	QT2-QT-BOC	50%			
	QT	QT002	QT2-QT-BOC	50%			
	QT	QT003	QT2-QT-BOC	50%			
	QT	QT004	QT2-QT-BOC	50%			
	QT	QT005	QT2-QT-BOC	50%			
	QT	QT006	QT2-QT-BOC	50%			
	QT	QT007	QT2-QT-BOC	50%			
	QT	QT008	QT2-QT-BOC	50%			
	QT	QT009	QT2-QT-BOC	50%			
	QT	QT010	QT2-QT-BOC	50%			
	QT	QT011	QT2-QT-BOC	50%			
	QT	QT012	QT2-QT-BOC	50%			
	QT-BOC	QT2-QT-BOC	RCF	50%			

1 0% 0

QT3	QT	QT001	QT3-QT-BOC	50%	1	0%	0
	QT	QT002	QT3-QT-BOC	50%			
	QT	QT003	QT3-QT-BOC	50%			
	QT	QT004	QT3-QT-BOC	50%			
	QT	QT005	QT3-QT-BOC	50%			
	QT	QT006	QT3-QT-BOC	50%			
	QT	QT007	QT3-QT-BOC	50%			
	QT	QT008	QT3-QT-BOC	50%			
	QT	QT009	QT3-QT-BOC	50%			
	QT	QT010	QT3-QT-BOC	50%			
	QT	QT011	QT3-QT-BOC	50%			
	QT	QT012	QT3-QT-BOC	50%			
	QT-BOC	QT3-QT-BOC	RCF	50%			
QT4	QT	QT001	QT4-QT-BOC	50%	1	0%	0
	QT	QT002	QT4-QT-BOC	50%			
	QT	QT003	QT4-QT-BOC	50%			
	QT	QT004	QT4-QT-BOC	50%			
	QT	QT005	QT4-QT-BOC	50%			
	QT	QT006	QT4-QT-BOC	50%			
	QT	QT007	QT4-QT-BOC	50%			
	QT	QT008	QT4-QT-BOC	50%			
	QT	QT009	QT4-QT-BOC	50%			
	QT	QT010	QT4-QT-BOC	50%			
	QT	QT011	QT4-QT-BOC	50%			
	QT	QT012	QT4-QT-BOC	50%			
	QT-BOC	QT4-QT-BOC	RCF	50%			
TCD	PDC	PDC	TCUR	0%	1	0%	0
	TDC	BBC-TCD	PDC	0%			
	TDC	ETOW-TCD	PDC	0%			
	TDC	SSC-TCD	PDC	0%			
	TDC	FPD-TCD	PDC	0%			
	TDC	TOF-TCD	PDC	0%			

TDC	ESMD-TC	PDC	0%
TDC	TPC-TC	PDC	0%
TDC	SVT-TC	PDC	0%
TDC	BSMD-TC	PDC	0%
TDC	ZDC-TC	PDC	0%
TDC	BTOW-TC	PDC	0%
TDC	FTPC-TC	PDC	0%
TDC	PMD-TC	PDC	0%
TDC	PP2PP-TC	PDC	0%
TDC	VPD-TC	PDC	0%

RAT	RAT	RAT	RCF	Unknown	1	0%	0
Misc.	NIM, etc...	Unknown	RCF	Unknown	1	0%	0