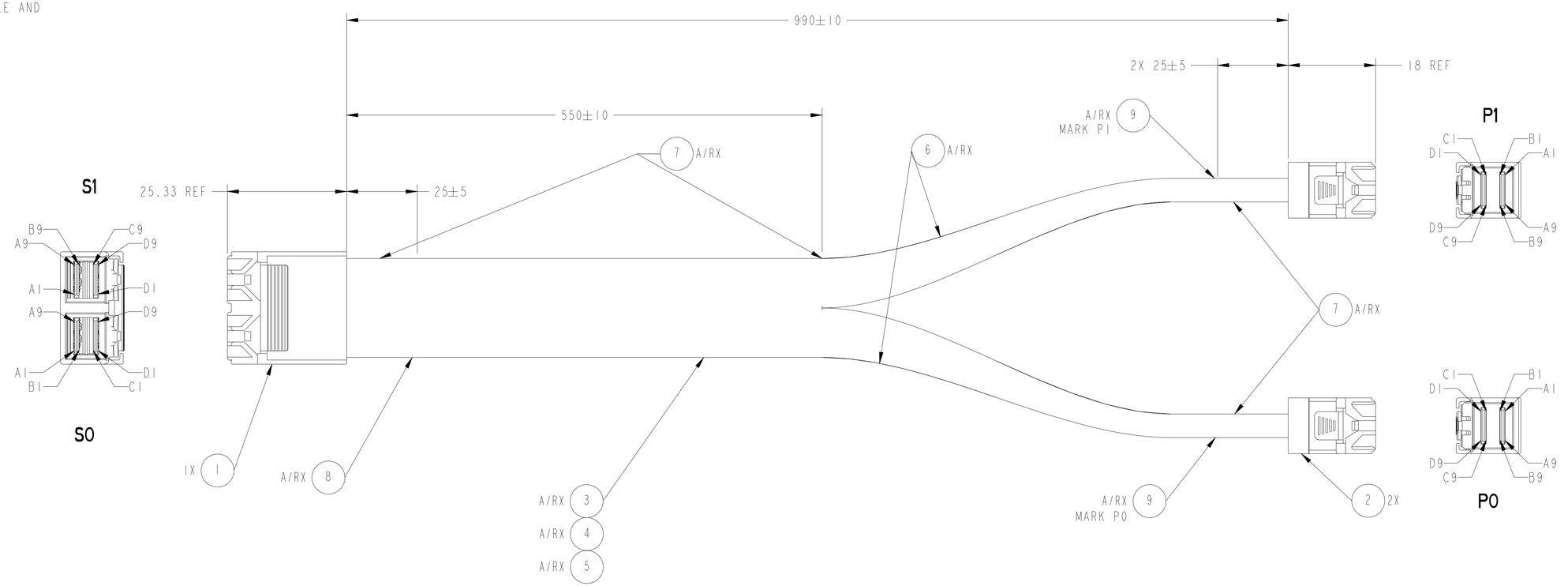
REVISIONS				
REV	ECO	DESCRIPTION	DATE	APPROVED
001		PRELIMINARY RELEASE	26SEP18	M.LI
002	156423	SPLIT LOCATION WAS: 500±5 IS: 550±10. CORRECT P0 AND P1 MARKING LOCATIONS. CORRECT P0 REFCLK SIGNAL POLARITY. REMOVE PRELIMINARY WATERMARK.	02APR19	J.STUHLSATZ

NOTES:

1. DRAWING NOT TO SCALE.
2. ELECTRICAL AND MECHANICAL PERFORMANCE SHALL MEET PCIE GEN 3 AND SAS3 INDUSTRIAL STANDARDS.
3. MARK LABEL (ITEM 8) WITH:

   U.2 ENABLER Y (W)
   BROADCOM PART NUMBER
   BROADCOM REVISION XXX
   DATE CODE DD/MMM/YY

   SECONDARY MARKING WITH MANUFACTUER PART NUMBER AND REVISION ACCEPTABLE.
4. SEE SHEET 2 FOR CABLE WIRING TABLE AND RELATED NOTES.



ITEM	CALLOUT	DESCRIPTION	QUANTITY	NOTES
9	LABEL	LABEL, 40X14MM, WHITE, R2, HF	A/R	
8	LABEL	LABEL, 70X26MM, WHITE, R2, HF	A/R	SEE NOTE 3
7	TAPE	ACETATE TAPE: W=1 INCH	A/R	
6	SLEEVING	EXPANDO TUBE: OD=7MM, GREEN, VW-1, HF	A/R	
5	SLEEVING	EXPANDO TUBE: OD=10MM, GREEN, VW-1, HF	A/R	
4	WIRE	UL1061, STRANDED	A/R	SEE NOTE 4
3	CABLE	SAS CABLE: UL20744, 28~32AWG, 100Ω DIFF, PCIE GEN 3, SAS3, VW-1, NATURAL, HF	A/R	
2	CONNECTOR	SFF-8643, 36P, STRAIGHT, X4, WHITE, SHORT	2	SEE NOTE 4
1	CONNECTOR	SFF-8643, 72P, STRAIGHT, X8, BLACK	1	SEE NOTE 4

APPROVALS		DATE
DRAWN BY	D.MONTGOMERY	25JUN18
APPROVED BY	M.LI	26SEP18

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS.
TOLERANCES:
X.X ± 0.2 MM
X.XX ± 0.15 MM
X.XXX ± 0.050 MM
ANGLES ± 1°

BROADCOM®

TITLE: CABLE, SFF-8643 X8 TO 2X SFF-8643 X4 (W), IM

SCALE	SIZE	DWG NO.	REV	SHEET
2.000	D	5067-8984	002	1 OF 2

CONNECTOR SIGNAL	CONNECTOR (HOST)	PIN/PAD		CONNECTOR (TARGET)	PIN/PAD	CONNECTOR SIGNAL	WIRE/CABLE	NOTES
GND	S1	D9		P1	A6	GND	ITEM 3	NOTE 3
S1_TX2-		D8			A5	P1_Rx1-	ITEM 3	
S1_TX2+		D7			A4	P1_Rx1+	ITEM 3	
GND		D6			A3	GND	ITEM 3	NOTE 2
GND		D6		P0	A6	GND	ITEM 3	NOTE 2, NOTE 3
S1_Tx0-		D5			A5	P0_Rx1-	ITEM 3	
S1_Tx0+		D4			A4	P0_Rx1+	ITEM 3	
GND		D3			A3	GND	ITEM 3	
S1_SB6		D2				NC	SHORT TO S1-D3	
S1_SB5/-		D1		P1	A1	RefClk-	ITEM 3	
S1_SB4/+		C1			A2	RefClk+	ITEM 3	
GND		C3			A3	GND	ITEM 3	NOTE 2
S1_SB2/5		C2			B2	PERST#	ITEM 4	NOTE 1
GND		C3		P0	A6	GND	ITEM 3	NOTE 2, NOTE 3
S1_Tx1+		C4			A7	P0_Rx3+	ITEM 3	
S1_Tx1-		C5			A8	P0_Rx3-	ITEM 3	
GND		C6			A9	GND	ITEM 3	NOTE 2
GND		C6		P1	A6	GND	ITEM 3	NOTE 2, NOTE 3
S1_Tx3+		C7			A7	P1_Rx3+	ITEM 3	
S1_Tx3-		C8			A8	P1_Rx3-	ITEM 3	
GND		C9			A9	GND	ITEM 3	
GND		B9			C6	GND	ITEM 3	NOTE 3
S1_Rx2-		B8			C5	P1_Tx1-	ITEM 3	
S1_Rx2+		B7			C4	P1_Tx1+	ITEM 3	
GND		B6			C3	GND	ITEM 3	NOTE 2
GND		B6		P0	C6	GND	ITEM 3	NOTE 2, NOTE 3
S1_Rx0-		B5			C5	P0_Tx1-	ITEM 3	
S1_Rx0+		B4			C4	P0_Tx1+	ITEM 3	
GND		B3			C3	GND	ITEM 3	
S1_SB1		B2		P1	D2	BMC_SMB_DAT	ITEM 4	NOTE 1
S1_SB3		B1				NC		
S1_SB7		A1				NC	SHORT TO S1-B2	
S1_SB0		A2		P1	D1	BMC_SMB_CLK	ITEM 4	NOTE 1
GND		A3		P0	C6	GND	ITEM 3	NOTE 3
S1_Rx1+		A4			C7	P0_Tx3+	ITEM 3	
S1_Rx1-		A5			C8	P0_Tx3-	ITEM 3	
GND		A6			C9	GND	ITEM 3	NOTE 2
GND		A6		P1	C6	GND	ITEM 3	NOTE 2, NOTE 3
S1_Rx3+		A7			C7	P1_Tx3+	ITEM 3	
S1_Rx3-		A8			C8	P1_Tx3-	ITEM 3	
GND		A9			C9	GND	ITEM 3	

CONNECTOR SIGNAL	CONNECTOR (HOST)	PIN/PAD		CONNECTOR (TARGET)	PIN/PAD	CONNECTOR SIGNAL	WIRE/CABLE	NOTES
GND	S0	D9		P1	B6	GND	ITEM 3	NOTE 3
S0_TX2-		D8			B5	P1_Rx0-	ITEM 3	
S0_TX2+		D7			B4	P1_Rx0+	ITEM 3	
GND		D6			B3	GND	ITEM 3	NOTE 2
GND		D6		P0	B6	GND	ITEM 3	NOTE 2, NOTE 3
S0_Tx0-		D5			B5	P0_Rx0-	ITEM 3	
S0_Tx0+		D4			B4	P0_Rx0+	ITEM 3	
GND		D3			B3	GND	ITEM 3	
S0_SB6		D2				NC	SHORT TO S0-D3	
S0_SB5/-		D1		P0	A1	RefClk-	ITEM 3	
S0_SB4/+		C1			A2	RefClk+	ITEM 3	
GND		C3			A3	GND	ITEM 3	NOTE 2
S0_SB2/5		C2			B2	PERST#	ITEM 4	NOTE 1
GND		C3			B6	GND	ITEM 3	NOTE 2, NOTE 3
S0_Tx1+		C4			B7	P0_RX2+	ITEM 3	
S0_Tx1-		C5			B8	P0_Rx2-	ITEM 3	
GND		C6			B9	GND	ITEM 3	NOTE 2
GND		C6		P1	B6	GND	ITEM 3	NOTE 2, NOTE 3
S0_Tx3+		C7			B7	P1_RX2+	ITEM 3	
S0_Tx3-		C8			B8	P1_Rx2-	ITEM 3	
GND		C9			B9	GND	ITEM 3	
GND		B9			D6	GND	ITEM 3	NOTE 3
S0_Rx2-		B8			D5	P1_Tx0-	ITEM 3	
S0_Rx2+		B7			D4	P1_Tx0+	ITEM 3	
GND		B6			D3	GND	ITEM 3	NOTE 2
GND		B6		P0	D6	GND	ITEM 3	NOTE 2, NOTE 3
S0_Rx0-		B5			D5	P0_Tx0-	ITEM 3	
S0_Rx0+		B4			D4	P0_Tx0+	ITEM 3	
GND		B3			D3	GND	ITEM 3	
S0_SB1		B2			D2	BMC_SMB_DAT	ITEM 4	NOTE 1
S0_SB3		B1				NC		
S0_SB7		A1				NC	SHORT TO S0-B2	
S0_SB0		A2		P0	D1	BMC_SMB_CLK	ITEM 4	NOTE 1
GND		A3			D6	GND	ITEM 3	NOTE 3
S0_Rx1+		A4			D7	P0_Tx2+	ITEM 3	
S0_Rx1-		A5			D8	P0_Tx2-	ITEM 3	
GND		A6			D9	GND	ITEM 3	NOTE 2
GND		A6		P1	D6	GND	ITEM 3	NOTE 2, NOTE 3
S0_Rx3+		A7			D7	P1_Tx2+	ITEM 3	
S0_Rx3-		A8			D8	P1_Tx2-	ITEM 3	
GND		A9			D9	GND	ITEM 3	
				P0/P1	B1	NC		
					C1	NC		
					C2	NC		

NOTES:

1. END TO END RESISTANCE OF INDICATED CONNECTION SHALL BE 750 MILLIOHM MAX.
2. SHARED PIN/PAD ON HOST CONNECTOR (S0/S1) END.
3. SHARED PIN/PAD ON TARGET CONNECTOR (P0/P1) END.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS.
TOLERANCES:
X.X ± 0.2 MM
X.XX ± 0.15 MM
X.XXX ± 0.050 MM
ANGLES ± 1°

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TITLE: CABLE, SFF-8643 X8 TO 2X SFF-8643 X4 (W), IM

SCALE	SIZE	DWG NO.	REV	SHEET
2.000	D	5067-8984	002	2 OF 2