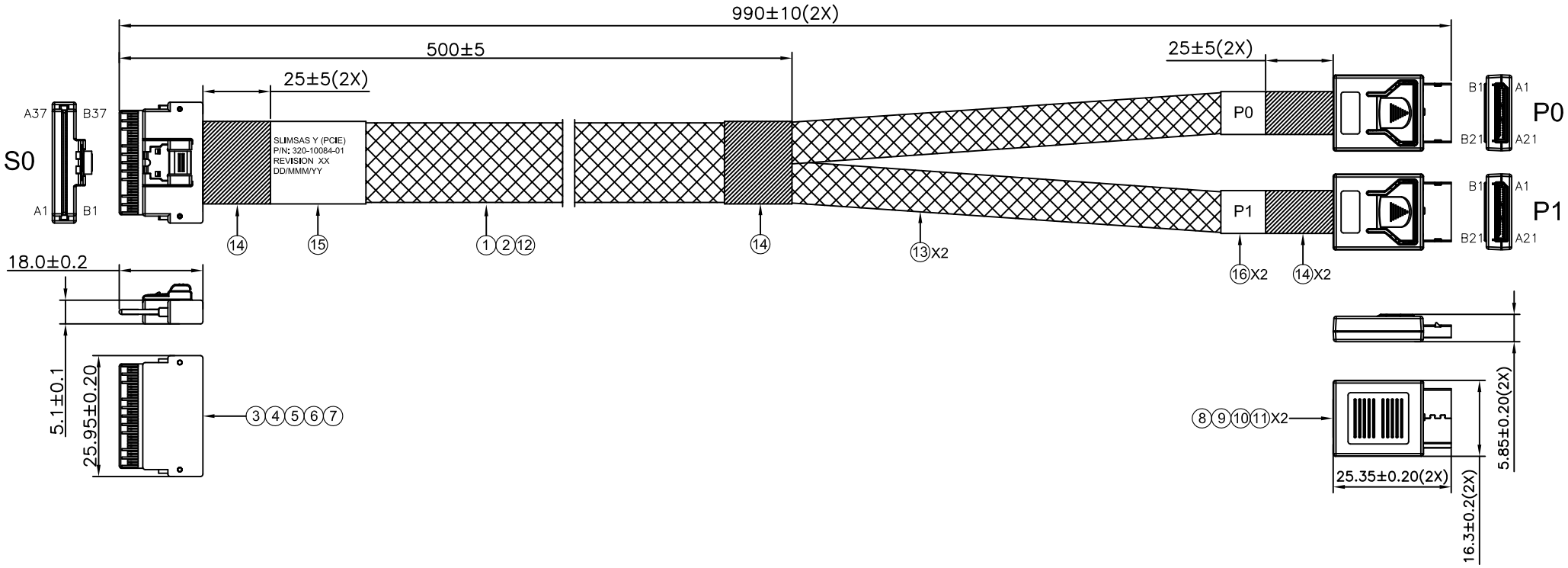
PROPRIETARY INFORMATION
COMPANY CONFIDENTIAL

REV.	ECN. NO.	DESCRIPTION	ENG	DATE
X1		ISSUED	TIM	05/11/18



ITEM	NAME	Q'TY	DESCRIPTION	NOTE
16	LABEL	2	WHITE LABEL, 40*10MM(REF)	
15	LABEL	1	WHITE LABEL, 60*30MM(REF)	
14	ACETATE TAPE	A/R	ACETATE TAPE, W=25MM, BLACK	
13	WEAVE	A/R	PLASTIC BRAID SLEEVE, PET, GREEN,OD:8.0MM	
12	WEAVE	A/R	PLASTIC BRAID SLEEVE, PET, GREEN,OD:10.0MM	
11	COVER	2	OCULINK 4i TOP COVER PC+ABS,30%G.F, BLACK	
10	COVER	2	OCULINK 4i DOWN COVER PC+ABS,30%G.F, BLACK	
9	INNER MOLD	2	INNER MOLDING FOR OCULINK 4i STR, BLACK	
8	PCBA	2	PCBA-OCULINK 4i CONN. & OCULINK 4i PCB	
7	RIVET	2	RIVET FOR SFF-8654	
6	LATCH	1	LATCH FOR SFF-8654	
5	HOUSING	1	HOUSING FOR SFF-8654 8i STR, BLACK	
4	INNER MOLD	1	INNER MOLDING FOR SFF-8654 8i STR, BLACK	
3	8654 8i PCB	1	PCB FOR SLIMLINE SAS 8i STR, AU30u"	
2	WIRE	A/R	UL1571, 32AWG, PVC	
1	SAS CABLE	A/R	SAS CABLE: UL20744 32AWG 92.5ohm, SAS 4.0 & PCIE GEN4,VW-1	

RoHS Compliant

GENERAL TOLERANCE	ANGLE TOLERANCE
X ±	X°± 5.0°
.X ± 0.40	.X°± 3.0°
.XX ± 0.30	.XX°± 2.0°
.XXX ± 0.20	.XXX°± 1.0°

MATL: SEE BOM
FINISH: SEE BOM
SCALE: N/A
UNIT: mm
SHEET 1 OF 2

	DRAWN	DATE
	TIM	2018.05.11
	CHECKED	DATE
	EASON	2018.05.11
	APPROVED	DATE
	MIKE	2018.05.11

genesis connected solutions

TITLE: CABLE, SFF-8654 X8 TO 2X SFF-8612 X4, PCIE, 1M

PART NUMBER: 320-10084-01

DRAWING NO.: 320-10084

SIZE: A4

REV.: X1

PROPRIETARY INFORMATION
COMPANY CONFIDENTIAL

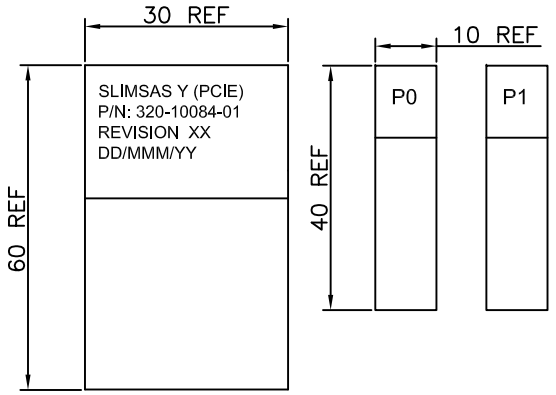
REV.	ECN. NO.	DESCRIPTION	ENG	DATE
---	---	SEE SHEET 1	---	---

WIRING TABLE

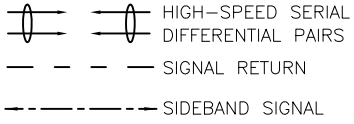
S0		P0		S0		P1	
NC		B1	NC	NC		B1	NC
GND	A1	B2	GND	GND	A19	B2	GND
Rx0+	A2	B3	Tx0+	Rx4+	A20	B3	Tx0+
Rx0−	A3	B4	Tx0−	Rx4−	A21	B4	Tx0−
GND	A4	B5	GND	GND	A22	B5	GND
Rx1+	A5	B6	Tx1+	Rx5+	A23	B6	Tx1+
Rx1−	A6	B7	Tx1−	Rx5−	A24	B7	Tx1−
GND	A7	B8	GND	GND	A25	B8	GND
SB7A	A8		NC	SB7B	A26		NC
SB4A	A9	B10	CWAKE#	SB4B	A27	B10	CWAKE#
SB3A	A10	B9	CBL_ID	SB3B	A28	B9	CBL_ID
NC		B11	GND	NC		B11	GND
SBA+	A11	B12	REFCLK+	SBB+	A29	B12	REFCLK+
SBA−	A12	B13	REFCLK−	SBB−	A30	B13	REFCLK−
GND	A13	B14	GND	GND	A31	B14	GND
Rx2+	A14	B15	Tx2+	Rx6+	A32	B15	Tx2+
Rx2−	A15	B16	Tx2−	Rx6−	A33	B16	Tx2−
GND	A16	B17	GND	GND	A34	B17	GND
Rx3+	A17	B18	Tx3+	Rx7+	A35	B18	Tx3+
Rx3−	A18	B19	Tx3−	Rx7−	A36	B19	Tx3−
GND	A19	B20	GND	GND	A37	B20	GND
NC		B21	NC	NC		B21	NC
NC		A1	NC	NC		A1	NC
GND	B1	A2	GND	GND	B19	A2	GND
Tx0+	B2	A3	Rx0+	Tx4+	B20	A3	Rx0+
Tx0−	B3	A4	Rx0−	Tx4−	B21	A4	Rx0−
GND	B4	A5	GND	GND	B22	A5	GND
Tx1+	B5	A6	Rx1+	Tx5+	B23	A6	Rx1+
Tx1−	B6	A7	Rx1−	Tx5−	B24	A7	Rx1−
GND	B7	A8	GND	GND	B25	A8	GND
SB0A	B8	A9	SCL	SB0B	B26	A9	SCL
SB1A	B9	A10	SDA	SB1B	B27	A10	SDA
GND/SB2A	B10	A11	GND	GND/SB2B	B28	A11	GND
SB5A	B11	A12	PERST#	SB5B	B29	A12	PERST#
SB6A	B12	A13	D_INPL#	SB6B	B30	A13	D_INPL#
GND	B13	A14	GND	GND	B31	A14	GND
Tx2+	B14	A15	Rx2+	Tx6+	B32	A15	Rx2+
Tx2−	B15	A16	Rx2−	Tx6−	B33	A16	Rx2−
GND	B16	A17	GND	GND	B34	A17	GND
Tx3+	B17	A18	Rx3+	Tx7+	B35	A18	Rx3+
Tx3−	B18	A19	Rx3−	Tx7−	B36	A19	Rx3−
GND	B19	A20	GND	GND	B37	A20	GND
NC		A21	NC	NC		A21	NC

NOTES:
1. END TO END RESISTANCE OF INDICATED CONNECTION SHALL BE 750 MILLIOHM MAX.
2. SHORT PIN/PAD S0-A8 TO S0-B9. NO DIRECT CONNECT S0-A8 TO CONNECTOR P0.
3. SHORT PIN/PAD S0-A26 TO S0-B27. NO DIRECT CONNECT S0-A26 TO CONNECTOR P1.
4. S0: A1,A4,A7,A13,A16,A19,A22,A25,A31,A34,A37,B1,B4,B7,B13,B16,B19,B22,B25,B31,B34,B37 GROUNDED ON PCB.
   P0 & P1: A2,A5,A8,A11,A14,A17,A20,B2,B5,B8,B11,B14,B17,B20 GROUNDED ON PCB.

LABEL INFORMATION



FONT: ARIAL
HEIGHT: 2.0mm Min



TEST CONDITIONS:
1. 100% OPEN & SHORT & MISS−WIRING & INTERMITTENCE TEST.
2. CONDUCTIVE RESISTANCE: 3Ω MAX.
3. INSULATION RESISTANCE: 10 MΩ
4. HI−POT TEST: 300VDC FOR 10ms.
5. THIS PRODUCT MEETS SAS 4.0 & PCIE GEN 4.

RoHS Compliant

GENERAL TOLERANCE	ANGLE TOLERANCE	DRAWN	DATE	genesis connected solutions
X ±	X° ± 5.0°	TIM	2018.05.11	
.X ± 0.40	.X° ± 3.0°	CHECKED	DATE	TITLE: CABLE, SFF-8654 X8 TO 2X SFF-8612 X4, PCIE, 1M
.XX ± 0.30	.XX° ± 2.0°	EASON	2018.05.11	
.XXX ± 0.20	.XXX° ± 1.0°	APPROVED	DATE	PART NUMBER: 320-10084-01
MATL: SEE BOM		MIKE	2018.05.11	DRAWING NO.: 320-10084
FINISH: SEE BOM				SIZE: A4
SCALE: N/A	UNIT: mm			REV.: X1
SHEET 2 OF 2				