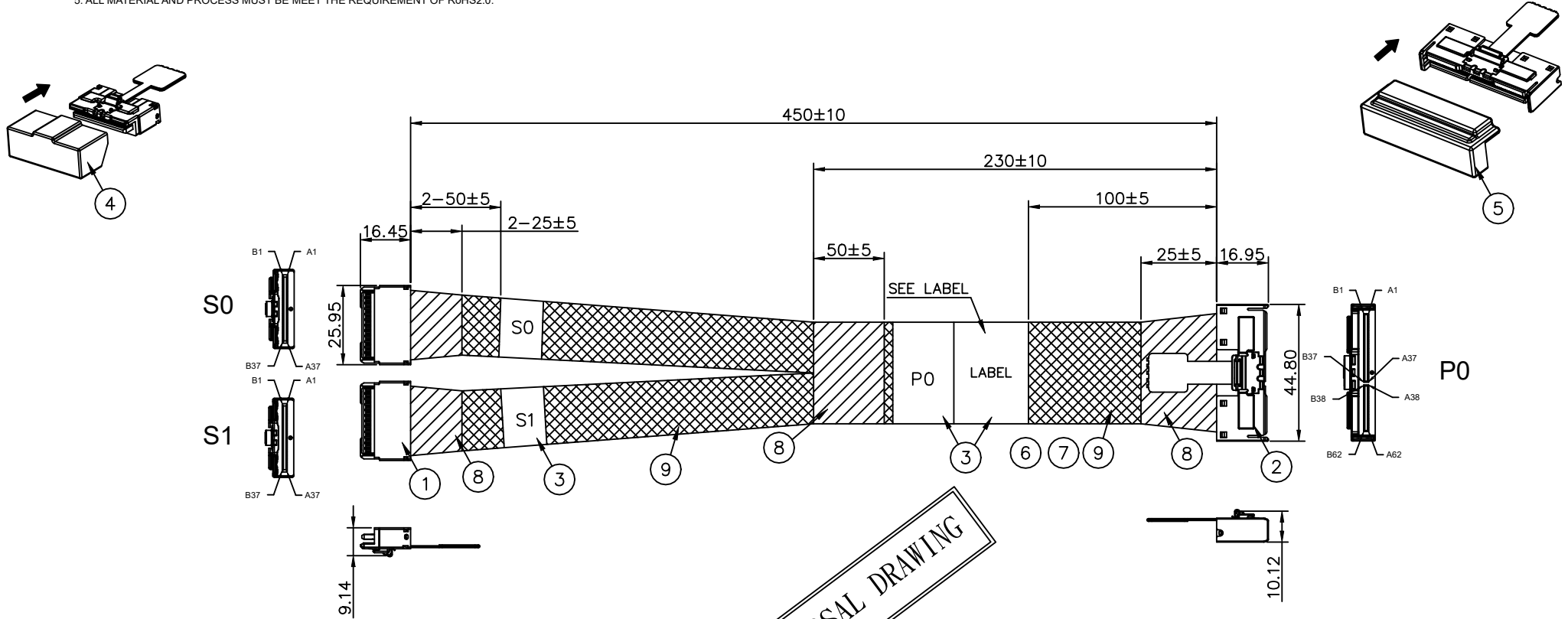


NOTES:

1. ALL CABLE 100% OPEN, SHORT, MISS WIRE & TRANSIENT FAULT TEST.
2. CONDUCTIVE RESISTANCE: 2Ω MAX.
3. INSULATION RESISTANCE: 10MΩ MIN WITH 200Vdc AT 10ms.
4. HIGH FREQUENCY TEST MUST COMPLY WITH PCIe GEN6 REQUIREMENT.
CONNECTOR IMPEDANCE: 85Ω ±15Ω
CABLE IMPEDANCE: 85Ω ±10Ω
6. MEET SAS4 STANDARD.
5. ALL MATERIAL AND PROCESS MUST BE MEET THE REQUIREMENT OF RoHS2.0.

REVISIONS					
ECN NO.	REV.	DESCRIPTIONS	CHECKED	APPROVED	DATE
x	A	NEW DRAWING	lhung,lee	lhung,lee	03/18/2025



Follow Drawing ver.
Manufactured Date

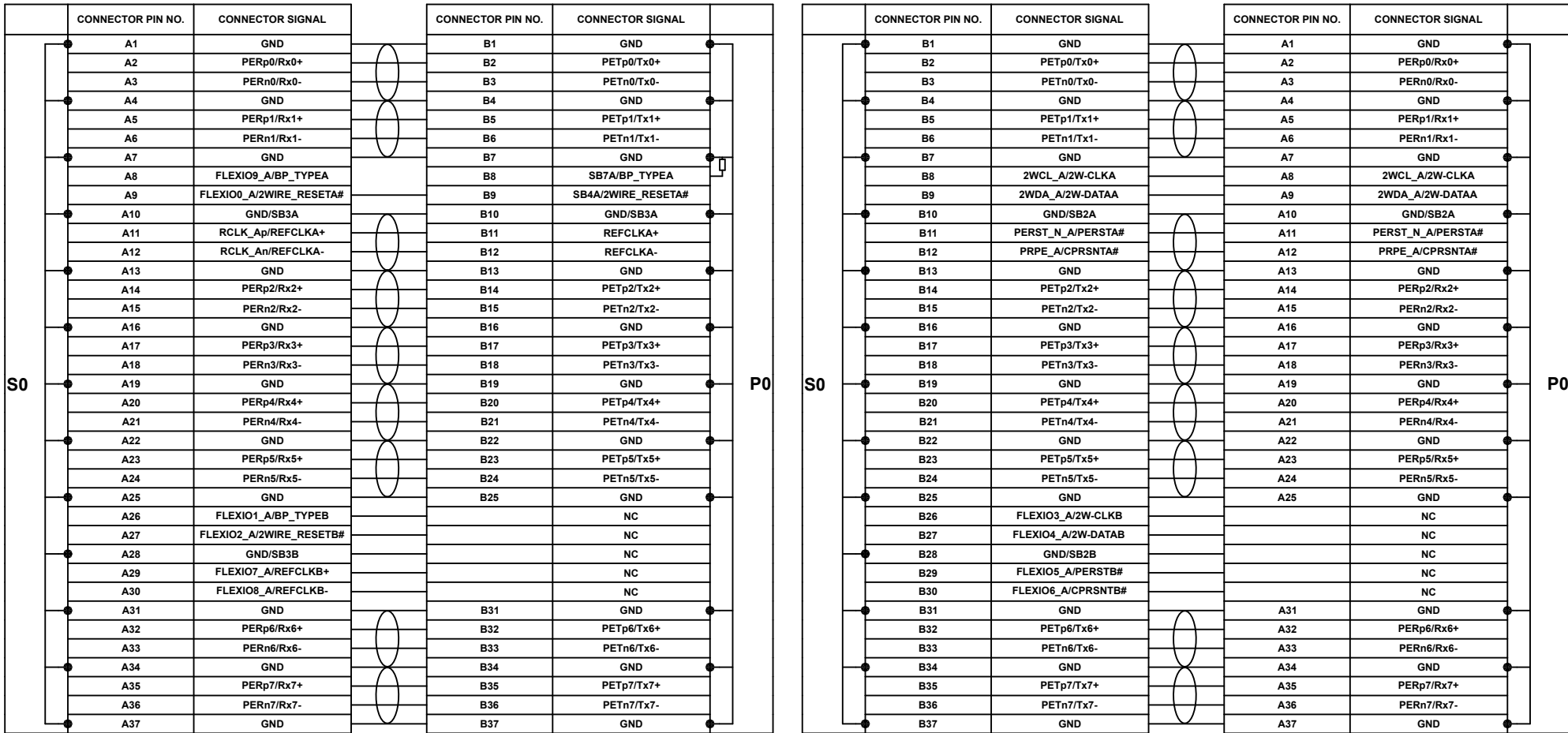
UBM-2x8 MCIO to 1x16 MCIO
GENESIS PART NUMBER
320-10804-02
GEN6-REV X
MFD DD/MM/YY
85 ohm

SI report QRcode

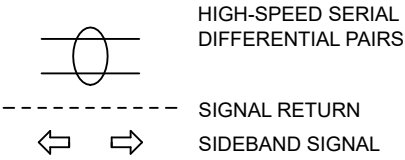
DETAIL LABEL

ITEM		DESCRIPTION		Q'TY	UNIT	QUALITY SYMBOLS		DRAWN BY		DATE	genesis connected solutions	
1		MCIO 74P STRAIGHT TYPE 85Ω.		2	PCS	MAJOR	①	Rex, Huang	25'/03/18		TITLE MCIO 2x74P ST TO 124P ST _L=450mm	
2		MCIO 124P STRAIGHT TYPE 85Ω.		1	PCS	CRITICAL	②	CHECKED BY		DATE		
3		LABEL.		4	PCS	GENERAL TOLERANCES (UNLESS SPECIFIED)		lhung, Lee	25'/03/18		SIZE A4	GENESIS NO. 320-10804-02
4		MCIO DUST COVER.(74P)		2	PCS			APPROVED BY		DATE	ACES NO.	
5		MCIO DUST COVER.(124P)		1	PCS	X. ±0.5		lhung, Lee	25'/03/18		REV A	6H6216U5B11
6		HIGH SPEED CABLE, 85Ω, 30AWG.		A/R	MM	.X ±0.25		UNITS	mm		SCALE	
7		WIRE.(CABLE 30AWG)		A/R	MM	.XX ±0.15		1 : 2			SHEET NO.	1 OF 3
8		ACETATE TAPE COLOR: BLACK.		A/R	MM	.XXX ±0.1						
9		EXPANDO TUBE. COLOR: GREEN.		A/R	MM	ANGLES ±2°						

REVSIONS					
ECN NO.	REV.	DESCRIPTIONS	CHECKED	APPROVED	DATE
x	A	NEW DRAWING	lhung,lee	lhung,lee	03/18/2025



- NOTES:
- BpType in S0, and S1 is pulled to VDD.
 - Bp_Type is not wired through the cable. BpType at P0 is pulled to GND through a 110k ohm resistor.



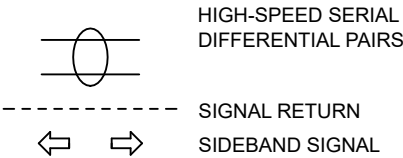
QUALITY SYMBOLS MAJOR Ⓢ CRITICAL Ⓢ	DRAWN BY Rex, Huang	DATE 25/03/18		
	CHECKED BY lhung, Lee	DATE 25/03/18		
	APPROVED BY lhung, Lee	DATE 25/03/18	TITLE MCIO 2x74P ST TO 124P ST _L=450mm	
	UNITS mm		SIZE A4	GENESIS NO. 320-10804-02
GENERAL TOLERANCES (UNLESS SPECIFIED) X. ±0.5 .X ±0.25 .XX ±0.15 .XXX ±0.1 ANGLES ±2°	SCALE 1 : 2		REV A	ACES NO. 6H6216U5B11

REVSIONS					
ECN NO.	REV.	DESCRIPTIONS	CHECKED	APPROVED	DATE
x	A	NEW DRAWING	lhung,lee	lhung,lee	03/18/2025

CONNECTOR PIN NO.		CONNECTOR SIGNAL	CONNECTOR PIN NO.		CONNECTOR SIGNAL
A1		GND	B38		GND
A2		PERp0/Rx0+	B39		PETp8/Tx8+
A3		PERn0/Rx0-	B40		PETn8/Tx8-
A4		GND	B41		GND
A5		PERp1/Rx1+	B42		PETp9/Tx9+
A6		PERn1/Rx1-	B43		PETn9/Tx9-
A7		GND	B44		GND
A8		FLEXIO9_A/BP_TYPEA	B26		SB7B/BP_TYPEB
A9		FLEXIO0_A/2WIRE_RESETA#	B27		SB4B/2WIRE_RESETB#
A10		GND/SB3A	B28		GND/SB3B
A11		RCLK_Ap/REFCLKA+	B29		REFCLKB+
A12		RCLK_An/REFCLKA-	B30		REFCLKB-
A13		GND	B44		GND
A14		PERp2/Rx2+	B45		PETp10/Tx10+
A15		PERn2/Rx2-	B46		PETn10/Tx10-
A16		GND	B47		GND
A17		PERp3/Rx3+	B48		PETp11/Tx11+
A18		PERn3/Rx3-	B49		PETn11/Tx11-
A19		GND	B50		GND
A20		PERp4/Rx4+	B51		PETp12/Tx12+
A21		PERn4/Rx4-	B52		PETn12/Tx12-
A22		GND	B53		GND
A23		PERp5/Rx5+	B54		PETp13/Tx13+
A24		PERn5/Rx5-	B55		PETn13/Tx13-
A25		GND	B56		GND
A26		FLEXIO1_A/BP_TYPEB			NC
A27		FLEXIO2_A/2WIRE_RESETB#			NC
A28		GND/SB3B			NC
A29		FLEXIO7_A/REFCLKB+			NC
A30		FLEXIO8_A/REFCLKB-			NC
A31		GND	B56		GND
A32		PERp6/Rx6+	B57		PETp14/Tx14+
A33		PERn6/Rx6-	B58		PETn14/Tx14-
A34		GND	B59		GND
A35		PERp7/Rx7+	B60		PETp15/Tx15+
A36		PERn7/Rx7-	B61		PETn15/Tx15-
A37		GND	B62		GND

CONNECTOR PIN NO.		CONNECTOR SIGNAL	CONNECTOR PIN NO.		CONNECTOR SIGNAL
B1		GND	A38		GND
B2		PETp0/Tx0+	A39		PERp8/Rx8+
B3		PETn0/Tx0-	A40		PERn8/Rx8-
B4		GND	A41		GND
B5		PETp1/Tx1+	A42		PERp9/Rx9+
B6		PETn1/Tx1-	A43		PERn9/Rx9-
B7		GND	A44		GND
B8		2WCL_A/2W-CLKA	A26		2WCL_B/2W-CLKB
B9		2WDA_A/2W-DATAA	A27		2WDA_B/2W-DATAB
B10		GND/SB2A	A28		GND/SB2B
B11		PERST_N_A/PERSTA#	A29		PERST_N_B/PERSTB#
B12		PRPE_A/CPRSNTA#	A30		PRPE_B/CPRSNTB#
B13		GND	A44		GND
B14		PETp2/Tx2+	A45		PERp10/Rx10+
B15		PETn2/Tx2-	A46		PERn10/Rx10-
B16		GND	A47		GND
B17		PETp3/Tx3+	A48		PERp11/Rx11+
B18		PETn3/Tx3-	A49		PERn11/Rx11-
B19		GND	A50		GND
B20		PETp4/Tx4+	A51		PERp12/Rx12+
B21		PETn4/Tx4-	A52		PERn12/Rx12-
B22		GND	A53		GND
B23		PETp5/Tx5+	A54		PERp13/Rx13+
B24		PETn5/Tx5-	A55		PERn13/Rx13-
B25		GND	A56		GND
B26		FLEXIO3_A/2W-CLKB			NC
B27		FLEXIO4_A/2W-DATAB			NC
B28		GND/SB2B			NC
B29		FLEXIO5_A/PERSTB#			NC
B30		FLEXIO6_A/CPRSNTB#			NC
B31		GND	A56		GND
B32		PETp6/Tx6+	A57		PERp14/Rx14+
B33		PETn6/Tx6-	A58		PERn14/Rx14-
B34		GND	A59		GND
B35		PETp7/Tx7+	A60		PERp15/Rx15+
B36		PETn7/Tx7-	A61		PERn15/Rx15-
B37		GND	A62		GND

NOTES:
1. BpType in S0, and S1 is pulled to VDD.
2. Bp_Type is not wired through the cable. BpType at P0 is pulled to GND through a 110k ohm resistor.



QUALITY SYMBOLS MAJOR Ⓢ CRITICAL Ⓢ	DRAWN BY Rex, Huang	DATE 25/03/18		
	CHECKED BY lhung, Lee	DATE 25/03/18		
	APPROVED BY lhung, Lee	DATE 25/03/18	TITLE MCIO 2x74P ST TO 124P ST _L=450mm	
	GENERAL TOLERANCES (UNLESS SPECIFIED) .X ±0.5 .X ±0.25 .XX ±0.15 .XXX ±0.1 ANGLES ±2°	UNITS mm	SCALE 1 : 2	GENESIS NO. 320-10804-02
SHEET NO. 3 OF 3		SIZE A4	ACES NO. 6H6216U5B11	REV A