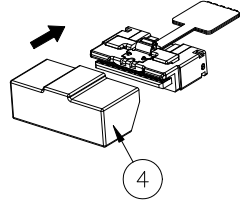


NOTES:

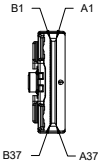
1. ALL CABLE 100% OPEN, SHORT, MISS WIRE & TRANSIENT FAULT TEST.
2. CONDUCTIVE RESISTANCE: 2Ω MAX.
3. INSULATION RESISTANCE: 10MΩ MIN WITH 200Vdc AT 10ms.
4. HIGH FREQUENCY TEST MUST COMPLY WITH PCIe GEN6 REQUIREMENT.
CONNECTOR IMPEDANCE: 85Ω ±15Ω
CABLE IMPEDANCE: 85Ω ±10Ω
6. MEET SAS4 STANDARD.
5. ALL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

REVISIONS

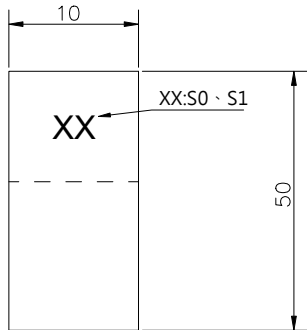
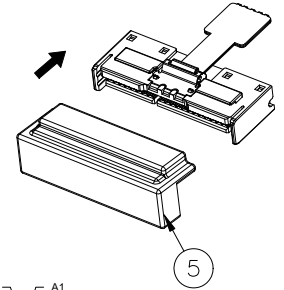
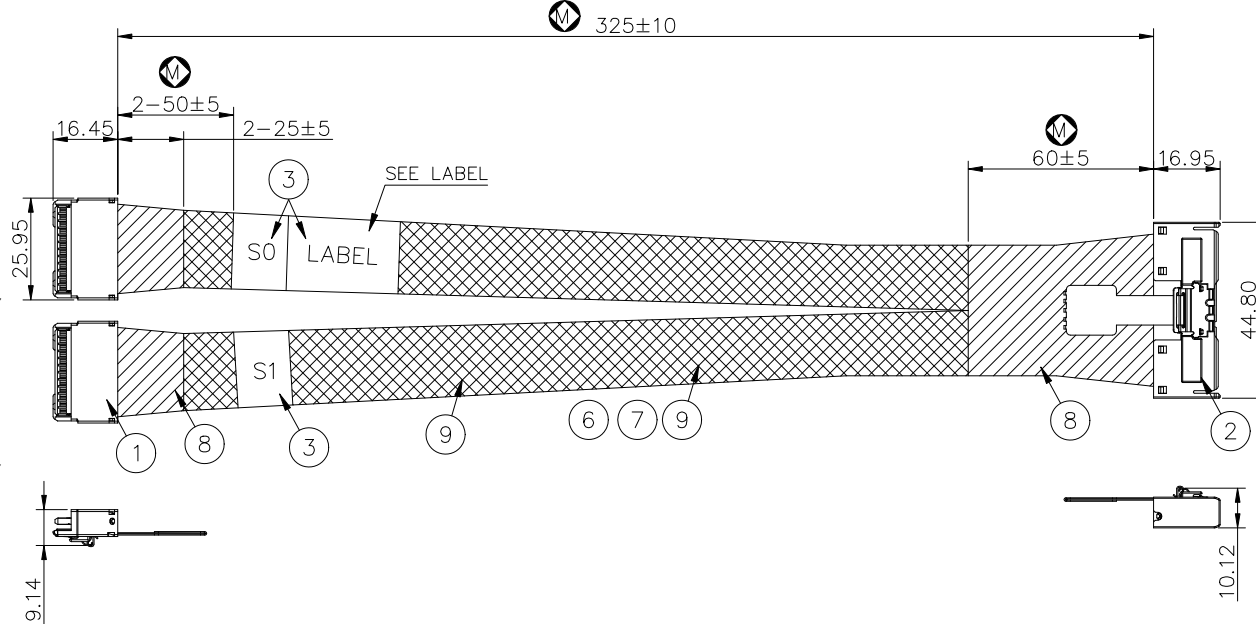
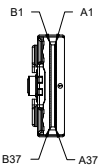
ECN NO.	REV.	DESCRIPTIONS	CHECKED	APPROVED	DATE
x	1	NEW DRAWING	Chris	Tom	06/03/2025
x	2	Update the position of the braided network pipe	Chris	Tom	06/05/2025
x	3	Update the sleeve braid, change the red to green	Chris	Tom	08/11/2025



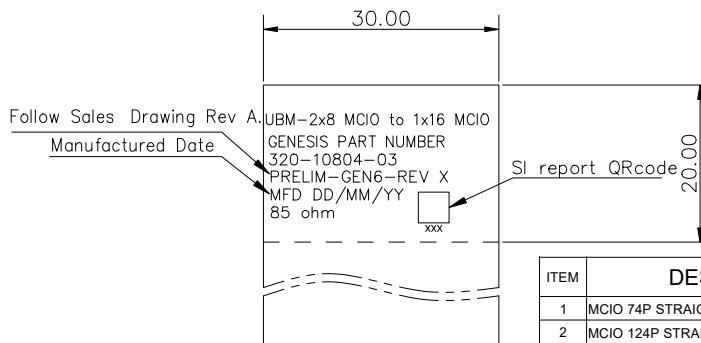
S0



S1



NUMBER LABEL



DETAIL LABEL

ITEM	DESCRIPTION	Q'TY	UNIT	QUALITY SYMBOLS	DRAWN BY	DATE
1	MCIO 74P STRAIGHT TYPE 85Ω.	2	PCS	MAJOR Ⓜ	Wenyixia	25'/08/11
2	MCIO 124P STRAIGHT TYPE 85Ω.	1	PCS	CRITICAL Ⓢ	CHECKED BY	DATE
3	LABEL.	4	PCS	GENERAL TOLERANCES (UNLESS SPECIFIED)	Chris	25'/08/11
4	MCIO DUST COVER.(74P)	2	PCS	X. ±0.15	APPROVED BY	DATE
5	MCIO DUST COVER.(124P)	1	PCS	.X ±0.10	Tom	25'/08/11
6	HIGH SPEED CABLE, 85Ω, 30AWG.	A/R	MM	.XX ±0.05	UNITS	mm
7	WIRE(CABLE 30AWG)	A/R	MM	.XXX ±0.02	SCALE	NONE
8	ACETATE TAPE COLOR: BLACK.	A/R	MM	ANGLES ±1°	SHEET NO.	1 OF 5
9	EXPANDO TUBE. COLOR: GREEN.	A/R	MM		REV	3



TITLE
MCIO 2x74P ST TO 124P ST
_L=325mm

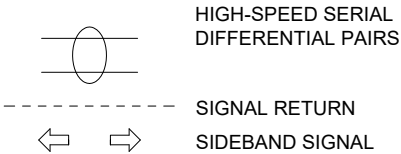
GENESIS NO.
320-10804-03

ACES NO.

	CONNECT OR PIN NO.	CONNECTOR SIGNAL	PCB WELDING PIN	WIRE	PCB WELDING PIN	CONNECT OR PIN NO.	CONNECTOR SIGNAL
	A1	GND	1		1	B1	GND
	A2	PERp0/Rx0+	2		2	B2	PETp0/Tx0+
	A3	PERn0/Rx0-	3		3	B3	PETn0/Tx0-
	A4	GND	4		4	B4	GND
	A5	PERp1/Rx1+	6		6	B5	PETp1/Tx1+
	A6	PERn1/Rx1-	7		7	B6	PETn1/Tx1-
	A7	GND	8		8	B7	GND
	A8	FLEXIO9_A/BP_TYPEA	NC		NC	B8	SB7A/BP_TYPEA
	A9	FLEXIO0_A/2WIRE_RESETA#	11		11	B9	SB4A/2WIRE_RESETA#
	A10	GND/SB3A	13		13	B10	GND/SB3A
	A11	RCLK_Ap/REFCLKA+	14		14	B11	REFCLKA+
	A12	RCLK_An/REFCLKA-	15		15	B12	REFCLKA-
	A13	GND	16		16	B13	GND
	A14	PERp2/Rx2+	18		18	B14	PETp2/Tx2+
	A15	PERn2/Rx2-	19		19	B15	PETn2/Tx2-
	A16	GND	20		20	B16	GND
	A17	PERp3/Rx3+	22		22	B17	PETp3/Tx3+
	A18	PERn3/Rx3-	23		23	B18	PETn3/Tx3-
	A19	GND	24		24	B19	GND
	A20	PERp4/Rx4+	26		26	B20	PETp4/Tx4+
	A21	PERn4/Rx4-	27		27	B21	PETn4/Tx4-
	A22	GND	28		28	B22	GND
	A23	PERp5/Rx5+	30		30	B23	PETp5/Tx5+
	A24	PERn5/Rx5-	31		31	B24	PETn5/Tx5-
	A25	GND	32		32	B25	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	41		41	B31	GND
	A32	PERp6/Rx6+	42		42	B32	PETp6/Tx6+
	A33	PERn6/Rx6-	43		43	B33	PETn6/Tx6-
	A34	GND	44		44	B34	GND
	A35	PERp7/Rx7+	46		46	B35	PETp7/Tx7+
	A36	PERn7/Rx7-	47		47	B36	PETn7/Tx7-
	A37	GND	48		48	B37	GND

REVSIONS					
ECN NO.	REV.	DESCRIPTIONS	CHECKED	APPROVED	DATE
x	1	NEW DRAWING	Chris	Tom	06/03/2025
x	2	Update the position of the braided network pipe	Chris	Tom	06/05/2025
x	3	Update the sleeve braid, change the red to green	Chris	Tom	08/11/2025

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.

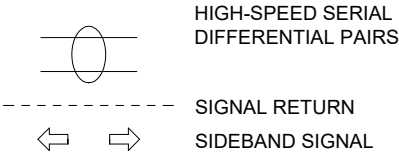


QUALITY SYMBOLS MAJOR  CRITICAL  GENERAL TOLERANCES (UNLESS SPECIFIED) .X. ± 0.15 .X ± 0.10 .XX ± 0.05 .XXX ± 0.02 ANGLES $\pm 1^\circ$	DRAWN BY Wenyixia 25/08/11 CHECKED BY Chris 25/08/11 APPROVED BY Tom 25/08/11		DATE 25/08/11 DATE 25/08/11 DATE 25/08/11		 genesis connected solutions	
	UNITS mm					
	SCALE NONE		SHEET NO. 2 OF 5		REV 3	ACES NO.
	TITLE MCIO 2x74P ST TO 124P ST _L=325mm					

CONNECT OR PIN NO.	CONNECTOR SIGNAL	PCB WELDING PIN	WIRE	PCB WELDING PIN	CONNECT OR PIN NO.	CONNECTOR SIGNAL
B1	GND	1		1	A1	GND
B2	PETp0/Tx0+	2		2	A2	PERp0/Rx0+
B3	PETn0/Tx0-	3		3	A3	PERn0/Rx0-
B4	GND	4		4	A4	GND
B5	GND	5		5	A5	GND
B6	PETp1/Tx1+	6		6	A6	PERp1/Rx1+
B7	PETn1/Tx1-	7		7	A6	PERn1/Rx1-
B7	GND	8		8	A7	GND
B8	2WCL_A/2W-CLKA	10		10	A8	2WCL_A/2W-CLKA
B9	2WDA_A/2W-DATAA	11		11	A9	2WDA_A/2W-DATAA
B10	GND/SB2A	13		13	A10	GND/SB2A
B11	PERST_N_A/PERSTA#	14		14	A11	PERST_N_A/PERSTA#
B12	PRPE_A/CPRSNTA#	15		15	A12	PRPE_A/CPRSNTA#
B13	GND	16		16		GND
B13	GND	17		17	A13	GND
B14	PETp2/Tx2+	18		18	A14	PERp2/Rx2+
B15	PETn2/Tx2-	19		19	A15	PERn2/Rx2-
B16	GND	20		20		GND
B16	GND	21		21	A16	GND
B17	PETp3/Tx3+	22		22	A17	PERp3/Rx3+
B18	PETn3/Tx3-	23		23	A18	PERn3/Rx3-
B19	GND	24		24		GND
B19	GND	25		25	A19	GND
B20	PETp4/Tx4+	26		26	A20	PERp4/Rx4+
B21	PETn4/Tx4-	27		27	A21	PERn4/Rx4-
B22	GND	28		28		GND
B22	GND	29		29	A22	GND
B23	PETp5/Tx5+	30		30	A23	PERp5/Rx5+
B24	PETn5/Tx5-	31		31	A24	PERn5/Rx5-
B25	GND	32		32	A25	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	41		41	A31	GND
B32	PETp6/Tx6+	42		42	A32	PERp6/Rx6+
B33	PETn6/Tx6-	43		43	A33	PERn6/Rx6-
B34	GND	44		44		GND
B34	GND	45		45	A34	GND
B35	PETp7/Tx7+	46		46	A35	PERp7/Rx7+
B36	PETn7/Tx7-	47		47	A36	PERn7/Rx7-
B37	GND	48		48	A37	GND

REVSIONS					
ECN NO.	REV.	DESCRIPTIONS	CHECKED	APPROVED	DATE
x	1	NEW DRAWING	Chris	Tom	06/03/2025
x	2	Update the position of the braided network pipe	Chris	Tom	06/05/2025
x	3	Update the sleeve braid, change the red to green	Chris	Tom	08/11/2025

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.



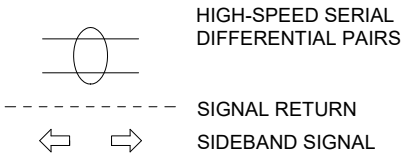
QUALITY SYMBOLS MAJOR  CRITICAL 	DRAWN BY		DATE	 genesis connected solutions			
	Wenyixia		25'/08/11				
GENERAL TOLERANCES (UNLESS SPECIFIED) X. ±0.15 .X ±0.10 .XX ±0.05 .XXX ±0.02 ANGLES ±1°	CHECKED BY		DATE	TITLE MCIO 2x74P ST TO 124P ST _L=325mm			
	Chris		25'/08/11				
	APPROVED BY		DATE	GENESIS NO. 320-10804-03			
	Tom		25'/08/11				
	UNITS					SIZE	ACES NO.
	mm					A4	
SCALE	SHEET NO.		REV				
NONE	3 OF 5		3				

CONNECT OR PIN NO.	CONNECTOR SIGNAL	PCB WELDING PIN	WIRE	PCB WELDING PIN	CONNECT OR PIN NO.	CONNECTOR SIGNAL
A1	GND	1		49	B38	GND
A2	PERp0/Rx0+	2		50	B39	PETp8/Tx8+
A3	PERn0/Rx0-	3		51	B40	PETn8/Tx8-
A4	GND	4		52	B41	GND
A5	PERp1/Rx1+	6		54	B42	PETp9/Tx9+
A6	PERn1/Rx1-	7		55	B43	PETn9/Tx9-
A7	GND	8		56	B44	GND
A8	FLEXIO9_A/BP_TYPEA	NC		NC	B26	SB7B/BP_TYPEB
A9	FLEXIO0_A/2WIRE_RESETA#	11		35	B27	SB4B/2WIRE_RESETB#
A10	GND/SB3A	13		37	B28	GND/SB3B
A11	RCLK_Ap/REFCLKA+	14		38	B29	REFCLKB+
A12	RCLK_An/REFCLKA-	15		39	B30	REFCLKB-
A13	GND	16		40	B31 ^(BPP#10)	GND
A14	PERp2/Rx2+	17		57	B44	GND
A15	PERn2/Rx2-	18		58	B45	PETp10/Tx10+
A16	GND	19		59	B46	PETn10/Tx10-
A17	PERp3/Rx3+	20		60	B47	GND
A18	PERn3/Rx3-	21		61	B48	GND
A19	GND	22		62	B49	PETp11/Tx11+
A20	PERp4/Rx4+	23		63	B50	PETn11/Tx11-
A21	PERn4/Rx4-	24		64	B51	GND
A22	GND	25		65	B52	GND
A23	PERp5/Rx5+	26		66	B53	PETp12/Tx12+
A24	PERn5/Rx5-	27		67	B54	PETn12/Tx12-
A25	GND	28		68	B55	GND
A26	FLEXIO1_A/BP_TYPEB	29		69	B56	GND
A27	FLEXIO2_A/2WIRE_RESETB#	30		70		NC
A28	GND/SB3B	31		71		NC
A29	FLEXIO7_A/REFCLKB+	32		72		NC
A30	FLEXIO8_A/REFCLKB-					NC
A31	GND	41		73	B56	GND
A32	PERp6/Rx6+	42		74	B57	PETp14/Tx14+
A33	PERn6/Rx6-	43		75	B58	PETn14/Tx14-
A34	GND	44		76	B59	GND
A35	PERp7/Rx7+	45		77	B60	GND
A36	PERn7/Rx7-	46		78	B61	PETp15/Tx15+
A37	GND	47		79	B62	PETn15/Tx15-
		48		80		GND

REVSIONS					
ECN NO.	REV.	DESCRIPTIONS	CHECKED	APPROVED	DATE
x	1	NEW DRAWING	Chris	Tom	06/03/2025
x	2	Update the position of the braided network pipe	Chris	Tom	06/05/2025
x	3	Update the sleeve braid, change the red to green	Chris	Tom	08/11/2025

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.

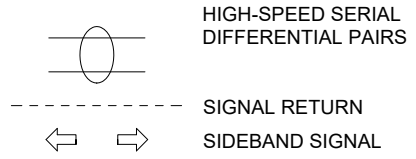


QUALITY SYMBOLS	DRAWN BY		DATE		 genesis connected solutions	
MAJOR 	Wenyixia		25'/08/11			
CRITICAL 	CHECKED BY		DATE		TITLE	
GENERAL TOLERANCES (UNLESS SPECIFIED)	Chris		25'/08/11			
	APPROVED BY		DATE		MCIO 2x74P ST TO 124P ST _L=325mm	
X. ±0.15	Tom		25'/08/11			
.X ±0.10	UNITS			SIZE	GENESIS NO.	
.XX ±0.05	mm			A4	320-10804-03	
.XXX ±0.02	SCALE	SHEET NO.		REV	ACES NO.	
ANGLES ±1°	NONE	4 OF 5		3		

CONNECT OR PIN NO.	CONNECTOR SIGNAL	PCB WELDING PIN	WIRE	PCB WELDING PIN	CONNECT OR PIN NO.	CONNECTOR SIGNAL
B1	GND	1		49	A38	GND
B2	PETp0/Tx0+	2		50	A39	PERp8/Rx8+
B3	PETn0/Tx0-	3		51	A40	PERn8/Rx8-
B4	GND	4		52	A41	GND
B5	GND	5		53	A42	GND
B6	PETp1/Tx1+	6		54	A43	PERp9/Rx9+
B7	PETn1/Tx1-	7		55	A44	PERn9/Rx9-
B8	GND	8		56	A46	GND
B9	2WCL_A/2W-CLKA	10		34	A26	2WCL_B/2W-CLKB
B10	2WDA_A/2W-DATAA	11		35	A27	2WDA_B/2W-DATAB
B11	GND/SB2A	13		37	A28	GND/SB2B
B12	PERST_N_A/PERSTA#	14		38	A29	PERST_N_B/PERSTB#
B13	PRPE_A/CPRSNTA#	15		39	A30	PRPE_B/CPRSNTB#
B14	GND	16		40	A31 _(B8+R15)	GND
B15	GND	17		57	A44	GND
B16	PETp2/Tx2+	18		58	A45	PERp10/Rx10+
B17	PETn2/Tx2-	19		59	A46	PERn10/Rx10-
B18	GND	20		60	A47	GND
B19	GND	21		61	A48	GND
B20	PETp3/Tx3+	22		62	A48	PERp11/Rx11+
B21	PETn3/Tx3-	23		63	A49	PERn11/Rx11-
B22	GND	24		64	A50	GND
B23	GND	25		65	A51	GND
B24	PETp4/Tx4+	26		66	A51	PERp12/Rx12+
B25	PETn4/Tx4-	27		67	A52	PERn12/Rx12-
B26	GND	28		68	A53	GND
B27	GND	29		69	A54	GND
B28	PETp5/Tx5+	30		70	A54	PERp13/Rx13+
B29	PETn5/Tx5-	31		71	A55	PERn13/Rx13-
B30	GND	32		72	A56	GND
B31	FLEXIO3_A/2W-CLKB					NC
B32	FLEXIO4_A/2W-DATAB					NC
B33	GND/SB2B					NC
B34	FLEXIO5_A/PERSTB#					NC
B35	FLEXIO6_A/CPRSNTB#					NC
B36	GND	41		73	A56	GND
B37	PETp6/Tx6+	42		74	A57	PERp14/Rx14+
B38	PETn6/Tx6-	43		75	A58	PERn14/Rx14-
B39	GND	44		76	A59	GND
B40	GND	45		77	A59	GND
B41	PETp7/Tx7+	46		78	A60	PERp15/Rx15+
B42	PETn7/Tx7-	47		79	A61	PERn15/Rx15-
B43	GND	48		80	A62	GND

REVSIONS					
ECN NO.	REV.	DESCRIPTIONS	CHECKED	APPROVED	DATE
x	1	NEW DRAWING	Chris	Tom	06/03/2025
x	2	Update the position of the braided network pipe	Chris	Tom	06/05/2025
x	3	Update the sleeve braid, change the red to green	Chris	Tom	08/11/2025

- 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		DATE		 genesis connected solutions		
	Wenyixia		25/08/11				
GENERAL TOLERANCES (UNLESS SPECIFIED) X. ±0.15 .X ±0.10 .XX ±0.05 .XXX ±0.02 ANGLES ±1°	CHECKED BY		DATE		TITLE MCIO 2x74P ST TO 124P ST _L=325mm		
	Chris		25/08/11				
	APPROVED BY		DATE		UNITS mm  SIZE A4 GENESIS NO. 320-10804-03		
	Tom		25/08/11				
	SCALE		SHEET NO.			REV	ACES NO.
	NONE		5 OF 5			3	