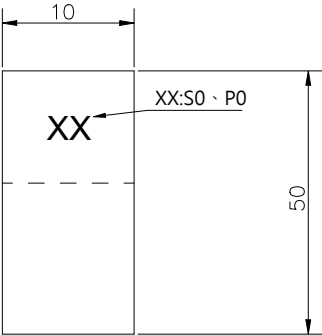
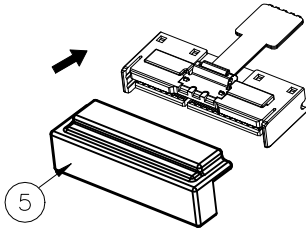
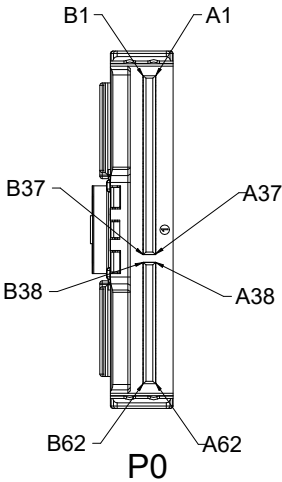
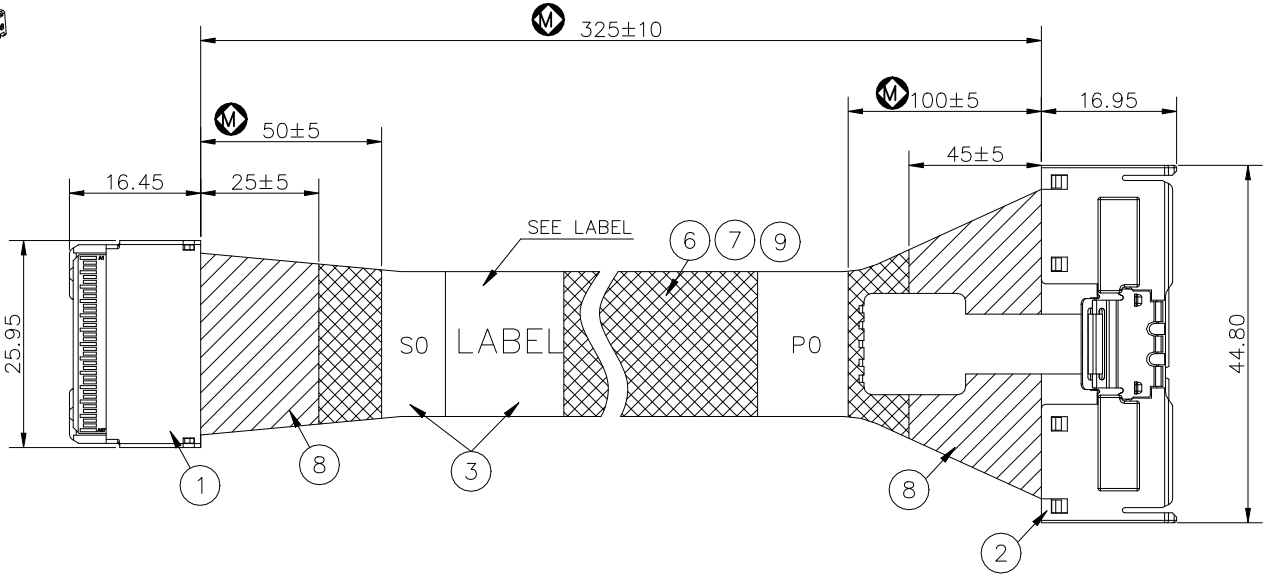
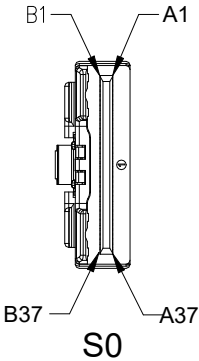
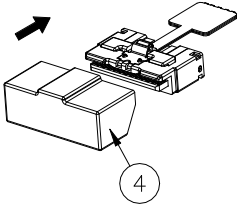
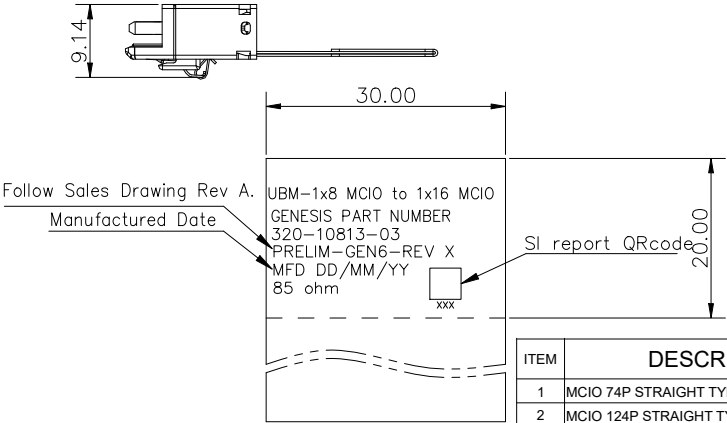


REVISIONS					
ECN NO.	REV.	DESCRIPTIONS	CHECKED	APPROVED	DATE
X	1	NEW DRAWING	Chris	Tom	06/03/2025

- 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
 5. MEET SAS4 STANDARD.
 6. ALL MATERIAL AND PROCESS MUST BE MEET THE REQUIREMENT OF RoHS2.0



NUMBER LABEL



DETAIL LABEL

ITEM	DESCRIPTION	Q'TY	UNIT
1	MCIO 74P STRAIGHT TYPE 85Ω.	1	PCS
2	MCIO 124P STRAIGHT TYPE 85Ω.	1	PCS
3	LABEL.	2	PCS
4	MCIO DUST COVER.(74P)	1	PCS
5	MCIO DUST COVER.(124P)	1	PCS
6	HIGH SPEED CABLE, 85Ω, 30AWG.	A/R	MM
7	WIRE(CABLE 30AWG)	A/R	MM
8	ACETATE TAPE COLOR: BLACK.	A/R	MM
9	EXPANDO TUBE. COLOR: RED.	A/R	MM

QUALITY SYMBOLS	
MAJOR	Ⓜ
CRITICAL	Ⓢ
GENERAL TOLERANCES (UNLESS SPECIFIED)	
X.	±0.15
.X	±0.10
.XX	±0.05
.XXX	±0.02
ANGLES	±1°

DRAWN BY		DATE
Wenyixia		25'/06/03
CHECKED BY		DATE
Chris		25'/06/03
APPROVED BY		DATE
Tom		25'/06/03
UNITS	SHEET NO.	
mm	1 OF 3	
SCALE	REV	
NONE	1	

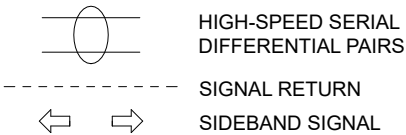
		genesis connected solutions	
TITLE MCIO 74P ST TO 124P ST L=325mm		GENESIS NO. 320-10813-03	
SIZE A4		ACES NO.	

REVSIONS					
ECN NO.	REV.	DESCRIPTIONS	CHECKED	APPROVED	DATE
X	1	NEW DRAWING	Chris	Tom	06/03/2025

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	GND	5		5	B5	GND
A6	PERp1/Rx1+	6		6	B5	PETp1/Tx1+
A7	PERn1/Rx1-	7		7	B6	PETn1/Tx1-
A8	GND	8		8	B7	GND
A9	FLEXIO9_A/BP_TYPEA	NC		NC	B8	SB7A/BP_TYPEA
A10	FLEXIO0_A/2WIRE_RESETA#	11		11	B9	SB4A/2WIRE_RESETA#
A11	GND/SB3A	13		13	B10	GND/SB3A
A12	RCLK_Ap/REFCLKA+	14		14	B11	REFCLKA+
A13	RCLK_An/REFCLKA-	15		15	B12	REFCLKA-
A14	GND	16		16	B13	GND
A15	GND	17		25	B19(自添加線)	GND
A16	PERp2/Rx2+	18		26	B20	PETp4/Tx4+
A17	PERn2/Rx2-	19		27	B21	PETn4/Tx4-
A18	GND	20		28	B22	GND
A19	GND	21		29	B22	GND
A20	PERp3/Rx3+	22		30	B23	PETp5/Tx5+
A21	PERn3/Rx3-	23		31	B24	PETn5/Tx5-
A22	GND	24		32	B25	GND
A23	GND	25		49	B38(自添加線)	GND
A24	PERp4/Rx4+	26		50	B39	PETp8/Tx8+
A25	PERn4/Rx4-	27		51	B40	PETn8/Tx8-
A26	GND	28		52	B41	GND
A27	GND	29		53	B41	GND
A28	PERp5/Rx5+	30		54	B42	PETp9/Tx9+
A29	PERn5/Rx5-	31		55	B43	PETn9/Tx9-
A30	GND	32		56	B44/(B50)	GND
A31	FLEXIO1_A/BP_TYPEB					NC
A32	FLEXIO2_A/2WIRE_RESETB#					NC
A33	GND/SB3B					NC
A34	FLEXIO7_A/REFCLKB+					NC
A35	FLEXIO8_A/REFCLKB-					NC
A36	GND	41		65	B50	GND
A37	PERp6/Rx6+	42		66	B51	PETp12/Tx12+
A38	PERn6/Rx6-	43		67	B52	PETn12/Tx12-
A39	GND	44		68	B53	GND
A40	GND	45		69	B53	GND
A41	PERp7/Rx7+	46		70	B54	PETp13/Tx13+
A42	PERn7/Rx7-	47		71	B55	PETn13/Tx13-
A43	GND	48		72	B56	GND

NOTES:

1. Bp_Type in S0 is pulled to VDD.
2. Bp_Type is not routed through the cable. P0 Sideband A is pulled to ground via 20 kohm. Sideband B is not pulled to ground.

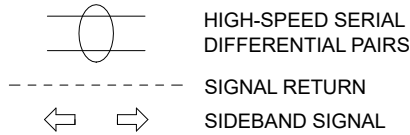


QUALITY SYMBOLS MAJOR  CRITICAL 	DRAWN BY		DATE		 genesis connected solutions	
	Wenyixia		25' /06/03			
GENERAL TOLERANCES (UNLESS SPECIFIED)	CHECKED BY		DATE		TITLE MCIO 74P ST TO 124P ST _L=325mm	
	Chris		25' /06/03			
	APPROVED BY		DATE			
	Tom		25' /06/03			
	UNITS		SIZE			GENESIS NO.
	mm 		A4			320-10813-03
SCALE		SHEET NO.		ACES NO.		
NONE		2 OF 3		1		

REVSIONS					
ECN NO.	REV.	DESCRIPTIONS	CHECKED	APPROVED	DATE
X	1	NEW DRAWING	Chris	Tom	06/03/2025

CONNECTOR PIN NO.	CONNECTOR SIGNAL	PCB WELDING PIN	WIRE	PCB WELDING PIN	CONNECTOR 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	A7	PERn1/Rx1-
B8	GND	8		8	A8	GND
B9	2WCL_A/2W-CLKA	10		10	A9	SB0A/2W-CLKA
B10	2WDA_A/2W-DATAA	11		11	A10	SB1A/2W-DATAA
B11	GND/SB2A	13		13	A11	GND/SB2A
B12	PERST_N_A/PERSTA#	14		14	A12	SB5A/PERSTA#
B13	PRPE_A/CPRSNTA#	15		15	A13	SB6A/CPRSNTA#
B14	GND	16		16	A19 (自添加线)	GND
B15	GND	17		25	A20	GND
B16	PETp2/Tx2+	18		26	A21	PERp4/Rx4+
B17	PETn2/Tx2-	19		27	A22	PERn4/Rx4-
B18	GND	20		28		GND
B19	GND	21		29		GND
B20	PETp3/Tx3+	22		30	A23	PERp5/Rx5+
B21	PETn3/Tx3-	23		31	A24	PERn5/Rx5-
B22	GND	24		32	A25 (自添加线)	GND
B23	GND	25		49	A38	GND
B24	PETp4/Tx4+	26		50	A39	PERp8/Rx8+
B25	PETn4/Tx4-	27		51	A40	PERn8/Rx8-
B26	GND	28		52		GND
B27	GND	29		53	A41	GND
B28	PETp5/Tx5+	30		54	A42	PERp9/Rx9+
B29	PETn5/Tx5-	31		55	A43	PERn9/Rx9-
B30	GND	32		56	A44	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		65	A50	GND
B37	PETp6/Tx6+	42		66	A51	PERp12/Rx12+
B38	PETn6/Tx6-	43		67	A52	PERn12/Rx12-
B39	GND	44		68		GND
B40	GND	45		69	A53	GND
B41	PETp7/Tx7+	46		70	A54	PERp13/Rx13+
B42	PETn7/Tx7-	47		71	A55	PERn13/Rx13-
B43	GND	48		72	A56	GND

- NOTES:
- Bp_Type in S0 is pulled to VDD.
 - Bp_Type is not routed through the cable. P0 Sideband A is pulled to ground via 20 kohm. Sideband B is not pulled to ground.



QUALITY SYMBOLS MAJOR Ⓢ CRITICAL Ⓢ	DRAWN BY Wenyixia	DATE 25'/06/03		
	CHECKED BY Chris	DATE 25'/06/03		
GENERAL TOLERANCES (UNLESS SPECIFIED) X. ±0.15 .X ±0.10 .XX ±0.05 .XXX ±0.02 ANGLES ±1°	APPROVED BY Tom	DATE 25'/06/03	TITLE MCIO 74P ST TO 124P ST _L=325mm	
	UNITS mm		SIZE A4	GENESIS NO. 320-10813-03
	SCALE NONE	SHEET NO. 3 OF 3	REV 1	ACES NO.