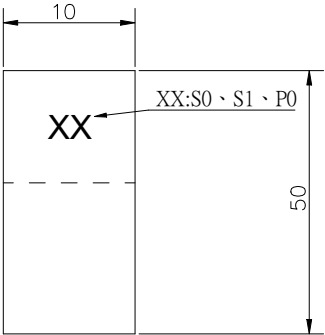
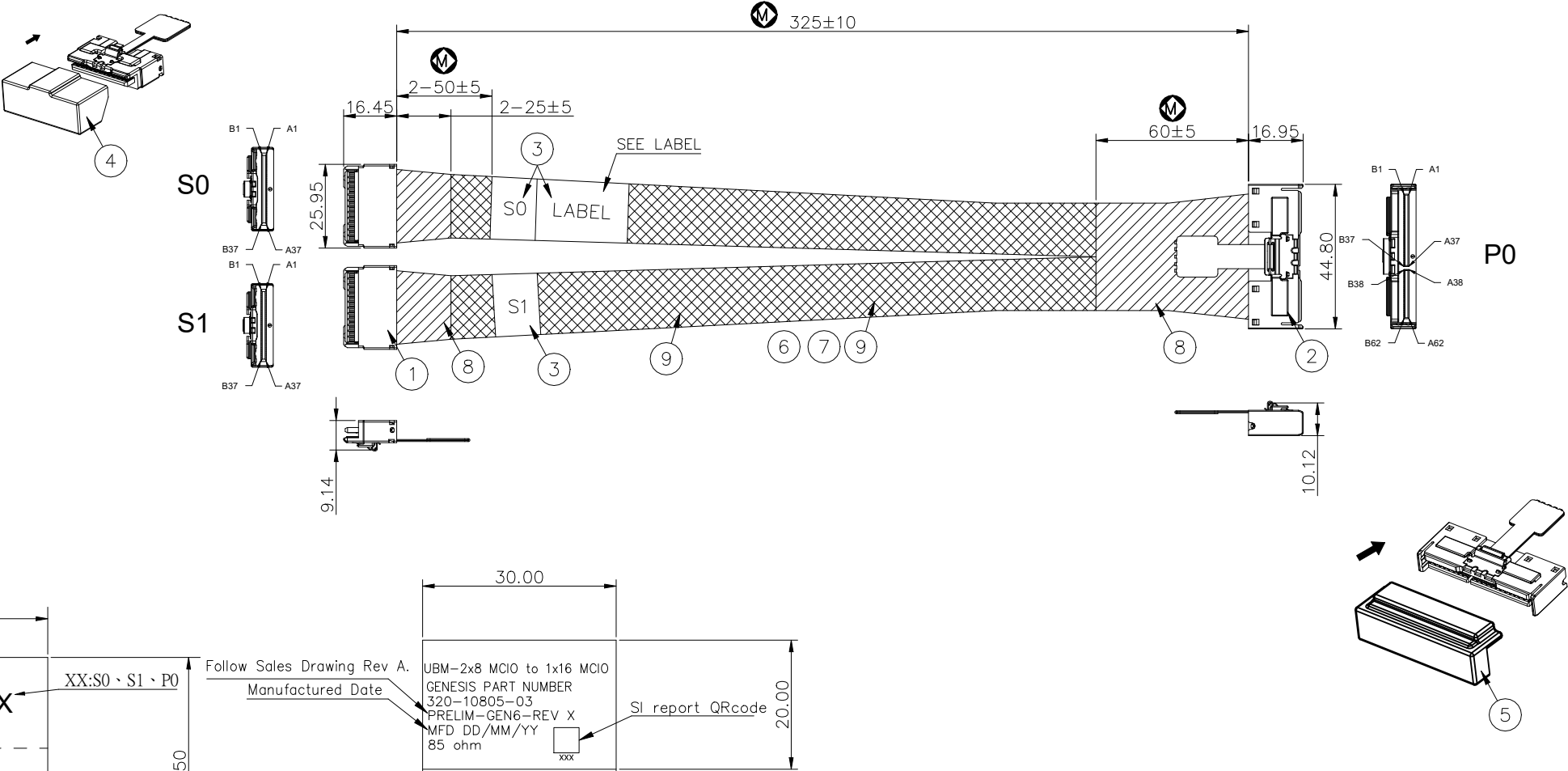
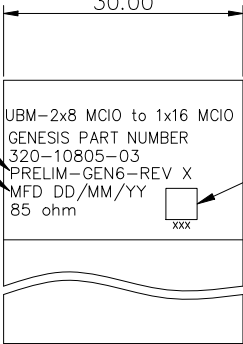


- NOTES:
1. ALL CABLE 100% OPEN, SHORT, MISS WIRE & TRANSIENT FAULT TEST.
 2. CONDUCTIVE RESISTANCE: 2Ω MAX.
 3. INSULATION RESISTANCE: 10MΩ MIN WITH 200Vdc AT 10ms.
 4. HIGH FREQUENCY TEST MUST COMPLY WITH PCIe GEN6 REQUIREMENT.
CONNECTOR IMPEDANCE: 85Ω ±15Ω
CABLE IMPEDANCE: 85Ω ±10Ω
 5. MEET SAS4 STANDARD.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

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



NUMBER LABEL



DETAIL LABEL

ITEM	DESCRIPTION	Q'TY	UNIT
1	MCIO 74P STRAIGHT TYPE 85Ω.	2	PCS
2	MCIO 124P STRAIGHT TYPE 85Ω.	1	PCS
3	LABEL.	4	PCS
4	MCIO DUST COVER.(74P)	2	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°

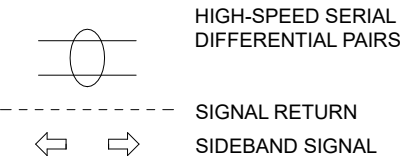
DRAWN BY	DATE
Wenyixia	25/06/05
CHECKED BY	DATE
Chris	25/06/05
APPROVED BY	DATE
Tom	25/06/05
UNITS	mm
SCALE	NONE
SHEET NO.	1 OF 5
REV	2

genesis connected solutions		TITLE
		MCIO 2x74P ST TO 124P ST L=325mm
SIZE	GENESIS NO.	ACES NO.
A4	320-10805-03	

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

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+	5		5	B5	GND
A6	PERn1/Rx1-	6		6	B6	PETp1/Tx1+
A7	GND	7		7	B7	PETn1/Tx1-
A8	FLEXIO9_A/BP_TYPEA	8		8	B8	GND
A9	FLEXIO0_A/2WIRE_RESETA#	NC		NC	B9	SB7A/BP_TYPEA
A10	GND/SB3A	11		11	B10	SB4A/2WIRE_RESETA#
A11	RCLK_Ap/REFCLKA+	13		13	B11	GND/SB3A
A12	RCLK_An/REFCLKA-	14		14	B12	REFCLKA+
A13	GND	15		15	B13	REFCLKA-
A14	GND	16		16	B19(自添加線)	GND
A15	PERp2/Rx2+	17		25	B20	GND
A16	PERn2/Rx2-	18		26	B21	PETp4/Tx4+
A17	GND	19		27	B22	PETn4/Tx4-
A18	GND	20		28	B23	GND
A19	PERp3/Rx3+	21		29	B24	GND
A20	PERn3/Rx3-	22		30	B25	PETp5/Tx5+
A21	GND	23		31	B26	PETn5/Tx5-
A22	GND	24		32	B27	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	B42	GND
A28	PERp5/Rx5+	30		54	B43	PETp9/Tx9+
A29	PERn5/Rx5-	31		55	B44/(B50)	PETn9/Tx9-
A30	GND	32		56		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	B54	GND
A41	PERp7/Rx7+	46		70	B55	PETp13/Tx13+
A42	PERn7/Rx7-	47		71	B56	PETn13/Tx13-
A43	GND	48		72		GND

NOTES:
1. Bp_Type in S0, S1 is pulled to VDD
2. Bp_Type in P0 Sideband A & B is pulled to ground via a 20 kohm resistor.

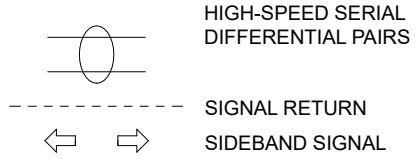


QUALITY SYMBOLS MAJOR Ⓢ CRITICAL Ⓢ	DRAWN BY Wenyixia	DATE 25'/06/05	 connected solutions	
	CHECKED BY Chris	DATE 25'/06/05		
GENERAL TOLERANCES (UNLESS SPECIFIED) .X ±0.15 .XX ±0.10 .XXX ±0.05 ANGLES ±1°	APPROVED BY Tom	DATE 25'/06/05	TITLE MCIO 2x74P ST TO 124P ST _L=325mm	
	UNITS mm		SIZE A4	GENESIS NO. 320-10805-03
	SCALE NONE	SHEET NO. 2 OF 5	REV 2	ACES NO.

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

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	PETp1/Tx1+	5		5	A5	GND
B6	PETn1/Tx1-	6		6	A6	PERp1/Rx1+
B7	GND	7		7	A7	PERn1/Rx1-
B8	2WCL_A/2W-CLKA	8		8	A8	GND
B9	2WDA_A/2W-DATAA	10		10	A9	2WCL_A/2W-CLKA
B10	GND/SB2A	11		11	A10	2WDA_A/2W-DATAA
B11	PERST_N_A/PERSTA#	13		13	A11	GND/SB2A
B12	PRPE_A/CPRSNTA#	14		14	A12	PERST_N_A/PERSTA#
B13	GND	15		15	A13(自添加线)	PRPE_A/CPRSNTA#
B14	GND	16		16	A19	GND
B15	PETp2/Tx2+	17		25	A20	GND
B16	PETn2/Tx2-	18		26	A21	PERp4/Rx4+
B17	GND	19		27	A22	PERn4/Rx4-
B18	GND	20		28		GND
B19	PETp3/Tx3+	21		29	A23	GND
B20	PETn3/Tx3-	22		30	A24	PERp5/Rx5+
B21	GND	23		31	A25(自添加线)	PERn5/Rx5-
B22	GND	24		32	A38	GND
B23	PETp4/Tx4+	25		49	A39	GND
B24	PETn4/Tx4-	26		50	A40	PERp8/Rx8+
B25	GND	27		51	A41	PERn8/Rx8-
B26	FLEXIO3_A/2W-CLKB	28		52		GND
B27	FLEXIO4_A/2W-DATAB	29		53		GND
B28	GND/SB2B	30		54	A42	PERp9/Rx9+
B29	FLEXIO5_A/PERSTB#	31		55	A43	PERn9/Rx9-
B30	FLEXIO6_A/CPRSNTB#	32		56	A44	GND
B31	GND	41		65		NC
B32	PETp6/Tx6+	42		66		NC
B33	PETn6/Tx6-	43		67	A50	NC
B34	GND	44		68	A51	NC
B35	GND	45		69	A52	NC
B36	PETp7/Tx7+	46		70	A53	NC
B37	PETn7/Tx7-	47		71	A54	GND
	GND	48		72	A55	PERp12/Rx12+
					A56	PERn12/Rx12-
						GND
						GND
						GND
						PERp13/Rx13+
						PERn13/Rx13-
						GND

NOTES:
1. Bp_Type in S0, S1 is pulled to VDD
2. Bp_Type in P0 Sideband A & B is pulled to ground via a 20 kohm resistor.

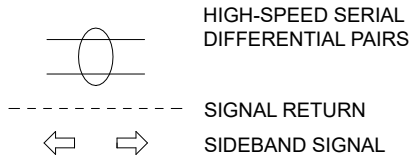


QUALITY SYMBOLS MAJOR Ⓜ CRITICAL Ⓢ	DRAWN BY Wenyixia	DATE 25'/06/05	genesis connected solutions	
	CHECKED BY Chris	DATE 25'/06/05		
GENERAL TOLERANCES (UNLESS SPECIFIED) .X ±0.15 .XX ±0.10 .XXX ±0.02 ANGLES ±1°	APPROVED BY Tom	DATE 25'/06/05	TITLE MCIO 2x74P ST TO 124P ST _L=325mm	
	UNITS mm		SIZE A4	GENESIS NO. 320-10805-03
	SCALE NONE	SHEET NO. 3 OF 5	REV 2	ACES NO.

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

	CONNECT OR PIN NO.	CONNECTOR SIGNAL	PCB WELDING PIN	WIRE	PCB WELDING PIN	CONNECT OR PIN NO.	CONNECTOR SIGNAL	
S1	A1	GND	1	○	17	B13	GND	P0
	A2	PERp0/Rx0+	2		18	B14	PETp2/Tx2+	
	A3	PERn0/Rx0-	3		19	B15	PETn2/Tx2-	
	A4	GND	4	○	20	B16	GND	
		GND	5		21		GND	
	A5	PERp1/Rx1+	6		22	B17	PETp3/Tx3+	
	A6	PERn1/Rx1-	7	○	23	B18	PETn3/Tx3-	
	A7	GND	8		24	B19/(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/B44	GND	
		GND	17		41	B31(自添加線)	GND	
	A14	PERp2/Rx2+	18	○	42	B32	PETp6/Tx6+	
	A15	PERn2/Rx2-	19		43	B33	PETn6/Tx6-	
	A16	GND	20		44	B34	GND	
		GND	21	○	45		GND	
	A17	PERp3/Rx3+	22		46	B35	PETp7/Tx7+	
	A18	PERn3/Rx3-	23		47	B36	PETn7/Tx7-	
	A19	GND	24	○	48	B37	GND	
		GND	25		57	B44(自添加線)	GND	
	A20	PERp4/Rx4+	26		58	B45	PETp10/Tx10+	
	A21	PERn4/Rx4-	27	○	59	B46	PETn10/Tx10-	
	A22	GND	28		60	B47	GND	
		GND	29		61		GND	
	A23	PERp5/Rx5+	30	○	62	B48	PETp11/Tx11+	
	A24	PERn5/Rx5-	31		63	B49	PETn11/Tx11-	
	A25	GND	32		64	B50	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		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	
		GND	45	○	77		GND	
	A35	PERp7/Rx7+	46		78	B60	PETp15/Tx15+	
	A36	PERn7/Rx7-	47		79	B61	PETn15/Tx15-	
	A37	GND	48		80	B62	GND	

NOTES:
1. Bp_Type in S0, S1 is pulled to VDD
2. Bp_Type in P0 Sideband A & B is pulled to ground via a 20 kohm resistor.

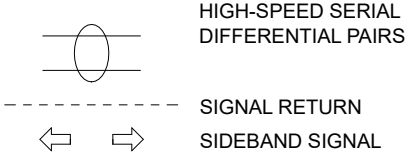


QUALITY SYMBOLS MAJOR  CRITICAL 	DRAWN BY Wenyixia		DATE 25'/06/05		 genesis connected solutions	
	CHECKED BY		DATE			
GENERAL TOLERANCES (UNLESS SPECIFIED) X. ±0.15 .X ±0.10 .XX ±0.05 .XXX ±0.02 ANGLES ±1°	Chris		25'/06/05		TITLE MCIO 2x74P ST TO 124P ST _L=325mm	
	APPROVED BY		DATE			
	Tom		25'/06/05			
	UNITS mm		SIZE A4	GENESIS NO. 320-10805-03		
SCALE NONE	SHEET NO. 4 OF 5		REV 2	ACES NO.		

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

CONNECT OR PIN NO.	CONNECTOR SIGNAL	PCB WELDING PIN	WIRE	PCB WELDING PIN	CONNECT OR PIN NO.	CONNECTOR SIGNAL
B1	GND	1		17	A13	GND
B2	PETp0/Tx0+	2		18	A14	PERp2/Rx2+
B3	PETn0/Tx0-	3		19	A15	PERn2/Rx2-
B4	GND	4		20	A16	GND
B5	GND	5		21	A17	GND
B6	PETp1/Tx1+	6		22	A18	PERp3/Rx3+
B7	PETn1/Tx1-	7		23	A19	PERn3/Rx3-
B8	GND	8		24	A26	GND
B9	2WCL_A/2W-CLKA	10		34	A27	2WCL_B/2W-CLKB
B10	2WDA_A/2W-DATAA	11		35	A28	2WDA_B/2W-DATAB
B11	GND/SB2A	13		37	A29	GND/SB2B
B12	PERST_N_A/PERSTA#	14		38	A30	PERST_N_B/PERSTB#
B13	PRPE_A/CPRSNTA#	15		39	A31	PRPE_B/CPRSNTB#
B14	GND	16		40	A32	GND
B15	GND	17		41	A33	GND
B16	PETp2/Tx2+	18		42	A34	PERp6/Rx6+
B17	PETn2/Tx2-	19		43	A35	PERn6/Rx6-
B18	GND	20		44	A36	GND
B19	GND	21		45	A44	GND
B20	PETp3/Tx3+	22		46	A45	PERp7/Rx7+
B21	PETn3/Tx3-	23		47	A46	PERn7/Rx7-
B22	GND	24		48	A47	GND
B23	GND	25		57	A48	GND
B24	PETp4/Tx4+	26		58	A49	PERp10/Rx10+
B25	PETn4/Tx4-	27		59	A50	PERn10/Rx10-
B26	GND	28		60		GND
B27	GND	29		61		GND
B28	PETp5/Tx5+	30		62		PERp11/Rx11+
B29	PETn5/Tx5-	31		63		PERn11/Rx11-
B30	GND	32		64		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	A60	GND
B41	PETp7/Tx7+	46		78	A61	PERp15/Rx15+
B42	PETn7/Tx7-	47		79	A62	PERn15/Rx15-
B43	GND	48		80		GND
B44						

- NOTES:
- Bp_Type in S0, S1 is pulled to VDD
 - Bp_Type in P0 Sideband A & B is pulled to ground via a 20 kohm resistor.



QUALITY SYMBOLS MAJOR  CRITICAL 	DRAWN BY		DATE		 genesis connected solutions	
	Wenyixia		25'/06/05			
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'/06/05			
	APPROVED BY		DATE		SIZE A4 GENESIS NO. 320-10805-03	
	Tom		25'/06/05			
	UNITS					
	mm					
SCALE	SHEET NO.	REV	ACES NO.			
NONE	5 OF 5	2				