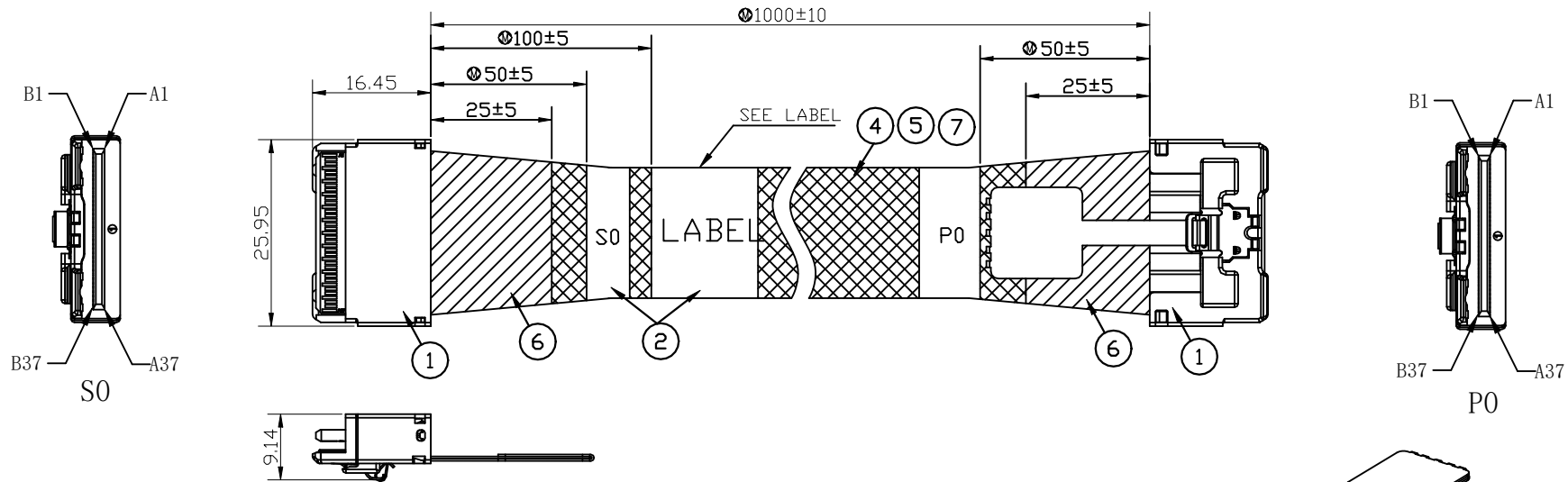


NOTES:
1. ALL CABLE 100% OPEN, SHORT, MISS WIRE & TRANSIENT FAULT TEST.
2. CONDUCTIVE RESISTANCE: 2Ω MAX.
3. INSULATION RESISTANCE: 10MΩ MIN WITH 200Vac AT 10ms.
4. HIGH FREQUENCY TEST MUST COMPLY WITH PCIe GEN6 REQUIREMENT.
CONNECTOR IMPEDANCE: 85Ω ±15Ω
CABLE IMPEDANCE: 85Ω ±10Ω
5. ALL MATERIAL AND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

REVSIONS					
ECN NO.	REV.	DESCRIPTIONS	CHECKED	APPROVED	DATE
xxx	5	CORRECTION CHART	Wei, Chang	Wei, Chang	11/13/2024
xxx	6	MARK LABLE DIMENSIONS	Wei, Chang	Wei, Chang	11/21/2024



Follow Sales Drawing Rev 5.
Manufactured Date
UBM-1x8 MCIO to 1x8 MCIO
Broadcom PART NUMBER
XXXXXXXXXX
GEN6-REV X
MFD DD/MM/YY
85 ohm
SI report QRcode

DETAIL LABEL

ITEM	DESCRIPTION	Q' TY	UNIT
1	MCIO 74P STRAIGHT TYPE 85Ω.	2	PCS
2	LABEL.	3	PCS
3	MCIO DUST COVER. (74P)	2	PCS
4	HIGH SPEED CABLE, 85Ω, 30AWG.	A/R	MM
5	WIRE (CABLE 30AWG)	A/R	MM
6	ACETATE TAPE COLOR: BLACK.	A/R	MM
7	EXPANDO TUBE. COLOR: GREEN.	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
Rex, Huang	24'/11/21
CHECKED BY	DATE
Wei, Chang	24'/11/21
APPROVED BY	DATE
Wei, Chang	24'/11/21
UNITS	mm
SCALE	1 : 1
SHEET NO.	1 OF 3

genesis connected solutions		TITLE	
		MCIO 74P ST TO 74P ST _L=1.0M	
SIZE	A4	GENESIS NO.	320-10812-01
REV	6	ACES NO.	6H6212A2B11

												REVSIONS			
ECN NO.		REV.		DESCRIPTIONS				CHECKED		APPROVED		DATE			
xxx		5		CORRECTION CHART				Wei, Chang		Wei, Chang		11/13/2024			
xxx		6		MARK LABLE DIMENSIONS				Wei, Chang		Wei, Chang		11/21/2024			

	CONNECT OR PIN NO.	CONNECTOR SIGNAL	PCB WELDING PIN	WIRE	PCB WELDING PIN	CONNECT OR PIN NO.	CONNECTOR SIGNAL	
S0	A1	GND	1		1	B1	GND	P0
	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	10(紅色電子線)		10(紅色電子線)	B8	SB7A/BP_TYPEA	
	A9	FLEXIO0_A/2WIRE_RESETA#	11(黃色電子線)		11(黃色電子線)	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	34(紫色電子線)		34(紫色電子線)	B26	SB7B/BP_TYPEB	
	A27	FLEXIO2_A/2WIRE_RESETB#	35(白色電子線)		35(白色電子線)	B27	SB4B/2WIRE_RESETB#	
	A28	GND/SB3B	37		37	B28	GND/SB3B	
	A29	FLEXIO7_A/REFCLKB+	38		38	B29	REFCLKB+	
	A30	FLEXIO8_A/REFCLKB-	39		39	B30	REFCLKB-	
	A31	GND	40		40	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	

NOTES:

1. Bp_Type in S0 is pulled to VDD.

HIGH-SPEED SERIAL DIFFERENTIAL PAIRS

SIGNAL RETURN

SIDEBAND SIGNAL

QUALITY SYMBOLS		DRAWN BY		DATE		genesis connected solutions	
MAJOR		Rex, Huang		24'/11/21			
CRITICAL		CHECKED BY		DATE			
GENERAL TOLERANCES (UNLESS SPECIFIED)		Wei, Chang		24'/11/21		TITLE	
X. ±0.15		APPROVED BY		DATE		MCIO 74P ST TO 74P ST _L=1.0M	
.X ±0.10		Wei, Chang		24'/11/21		SIZE	
.XX ±0.05		UNITS				A4	
.XXX ±0.02		mm		SCALE		GENESIS NO.	
ANGLES ±1°		1 : 1		SHEET NO.		320-10812-01	
		2 OF 3		REV		ACES NO.	
		6				6H6212A2B11	

2024.03.26_REV.16

