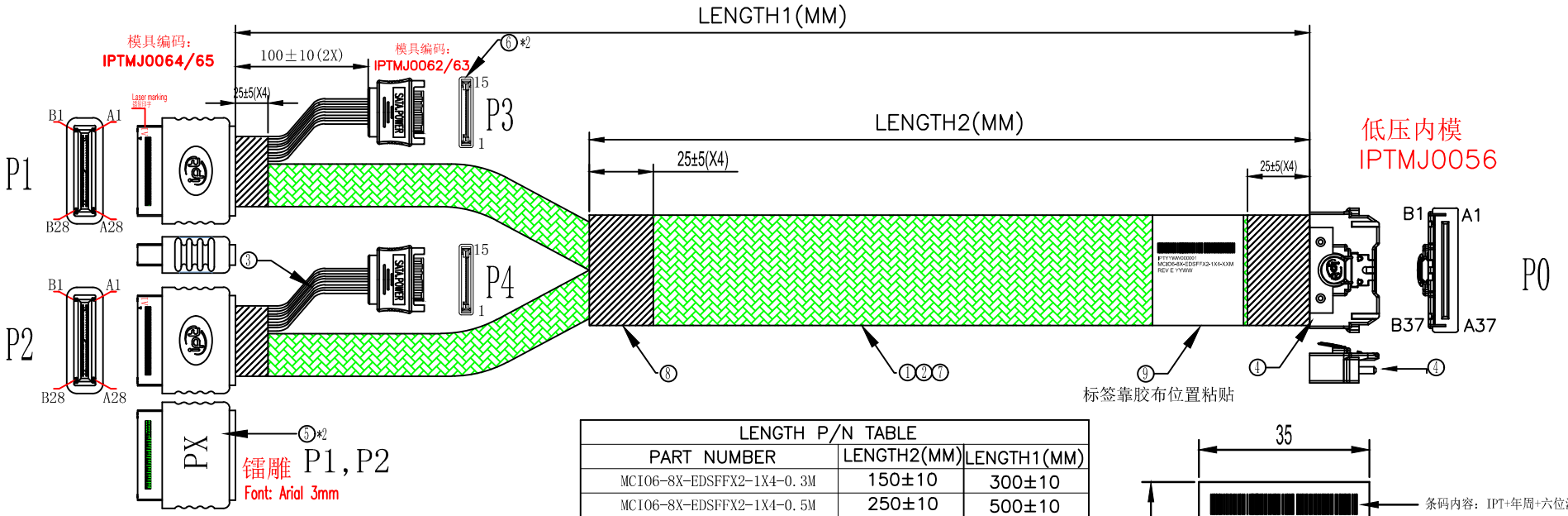
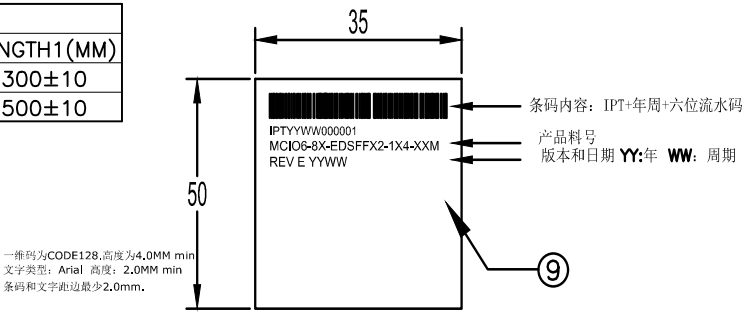
TEST CONDITIONS:
1.100% OPEN & SHORT & MISS-WIRING&INTERMITTENCE TEST.
2.CONDUCTIVE RESISTANCE: 750milliOhm MAX.
3.INSULATION RESISTANCE: 10 MΩ .
4.HI-POT TEST: 300VDC FOR 10ms.
5.THIS PRODUCT MEETS PCIE 6.0
6.THE CABLE ASSEMBLY SHALL BE MEET RoHS2.0 COMPLIANT.
7.RAW CABLE: 85±%10 ohms
MATED AREA: 85±%15 ohms

DATE	DESCRIPTION OF CHANGE	DRAWING	REV
2025-02-07	Update Label Print content		C
2025-07-29	The client has updated the connection points.客户更新接线点位	Yuzhiping	D
2026-10-15	The client has updated the connection points.客户更新接线点位	Qiu Zu Lin	E



LENGTH P/N TABLE		
PART NUMBER	LENGTH2(MM)	LENGTH1(MM)
MCIO6-8X-EDSFFX2-1X4-0.3M	150±10	300±10
MCIO6-8X-EDSFFX2-1X4-0.5M	250±10	500±10



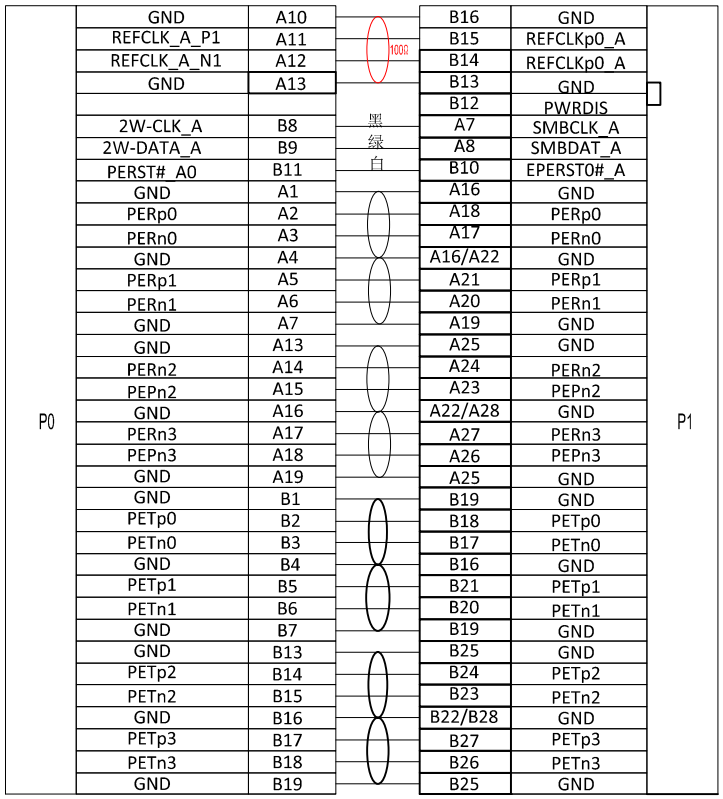
NO.	NAME	IPT NO.	DESCRIPTION	Q'TY	UNIT
⑨	LABEL		WHITE LABEL,L W=35*50	1	PCS
⑧	ACETATE TAPE		W=25MM ACETATE TAPE,BLACK	–	MM
⑦	WEAVE		OD=9-20MM PLASTIC BRAID SLEEVE,PET,GREEN	–	MM
⑥	CONN		SATA15P MALE HEAD ON BOTH SIDES WIDE LUG /F	2	PCS
⑤	CONN		SFF-1002 1C 56PIN	2	PCS
④	CONN		SFF-1016 MCIO 8X 74PIN	1	PCS
③	WIRE		UL1007 18AWG TS -LF- 01	–	MM
			UL1007 24AWG TS -LF- 01	–	MM
②	WIRE		UL1061 30AWG TS-LF-00	–	MM
①	CABLE		SAS 31AWG 100Ω SAS4.0 HF	–	MM
			SAS 29AWG 85Ω HF (P06S52901)	–	MM

SERIAL CABLES

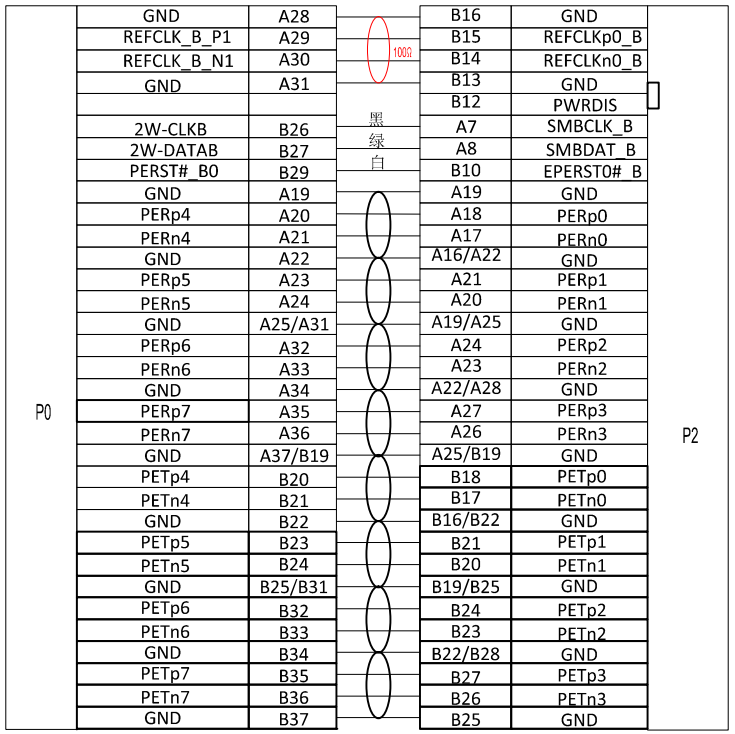
TITLE	MCIOx8 to 1C EDSFF 56P Receptacle Gen6 Cable					SHEET	1/2
CUSTOMER		CUSTOMER P/N	MCIO6-8X-EDSFFX2-1X4-XXM			DRAWING	WangPan
DWG NO.	WIPT20240426007	UNIT	SCALE	REV	VIEW	CHECKED	lupeng
TERMINAL P/N		mm	NONE	E		APPROVAL	

DATE	DESCRIPTION OF CHANGE	REV
	SEE PAGE ONE	

Wiring diagram



P0			P1	
GND	A10	B16	GND	
REFCLK_A_P1	A11	B15	REFCLKp0_A	
REFCLK_A_N1	A12	B14	REFCLKp0_A	
GND	A13	B13	GND	
		B12	PWRDIS	
2W-CLK_A	B8	A7	SMBCLK_A	
2W-DATA_A	B9	A8	SMBDAT_A	
PERST#_A0	B11	B10	EPERST0#_A	
GND	A1	A16	GND	
PERp0	A2	A18	PERp0	
PERn0	A3	A17	PERn0	
GND	A4	A16/A22	GND	
PERp1	A5	A21	PERp1	
PERn1	A6	A20	PERn1	
GND	A7	A19	GND	
GND	A13	A25	GND	
PERn2	A14	A24	PERn2	
PEPn2	A15	A23	PEPn2	
GND	A16	A22/A28	GND	
PERn3	A17	A27	PERn3	
PEPn3	A18	A26	PEPn3	
GND	A19	A25	GND	
GND	B1	B19	GND	
PETp0	B2	B18	PETp0	
PETn0	B3	B17	PETn0	
GND	B4	B16	GND	
PETp1	B5	B21	PETp1	
PETn1	B6	B20	PETn1	
GND	B7	B19	GND	
GND	B13	B25	GND	
PETp2	B14	B24	PETp2	
PETn2	B15	B23	PETn2	
GND	B16	B22/B28	GND	
PETp3	B17	B27	PETp3	
PETn3	B18	B26	PETn3	
GND	B19	B25	GND	



P0			P2	
GND	A28	B16	GND	
REFCLK_B_P1	A29	B15	REFCLKp0_B	
REFCLK_B_N1	A30	B14	REFCLKn0_B	
GND	A31	B13	GND	
		B12	PWRDIS	
2W-CLKB	B26	A7	SMBCLK_B	
2W-DATAB	B27	A8	SMBDAT_B	
PERST#_B0	B29	B10	EPERST0#_B	
GND	A19	A19	GND	
PERp4	A20	A18	PERp0	
PERn4	A21	A17	PERn0	
GND	A22	A16/A22	GND	
PERp5	A23	A21	PERp1	
PERn5	A24	A20	PERn1	
GND	A25/A31	A19/A25	GND	
PERp6	A32	A24	PERp2	
PERn6	A33	A23	PERn2	
GND	A34	A22/A28	GND	
PERp7	A35	A27	PERp3	
PERn7	A36	A26	PERn3	
GND	A37/B19	A25/B19	GND	
PETp4	B20	B18	PETp0	
PETn4	B21	B17	PETn0	
GND	B22	B16/B22	GND	
PETp5	B23	B21	PETp1	
PETn5	B24	B20	PETn1	
GND	B25/B31	B19/B25	GND	
PETp6	B32	B24	PETp2	
PETn6	B33	B23	PETn2	
GND	B34	B22/B28	GND	
PETp7	B35	B27	PETp3	
PETn7	B36	B26	PETn3	
GND	B37	B25	GND	

P3/P4		P1/P2	
1,2,3	24AWG 橙	B11	3.3V
4,5,6	18AWG 黑	A1,A2,A3	GND
10,11,12	18AWG 黑	A4,A5,A6	GND
13,14,15	18AWG 黄	B1--B6	12V

WIRE DIAGRAM

SERIAL CABLES

TITLE	MCIOx8 to 1C EDSFF 56P Receptacle Gen6 Cable					SHEET	2/2
CUSTOMER		CUSTOMER P/N	MCIO6-8X-EDSFFX2-1X4-XXM			DRAWING	WangPan
DWG NO.	WIPT20240426007	UNIT	SCALE	REV	VIEW	CHECKED	lupeng
TERMINAL P/N		mm	NONE	E		APPROVAL	