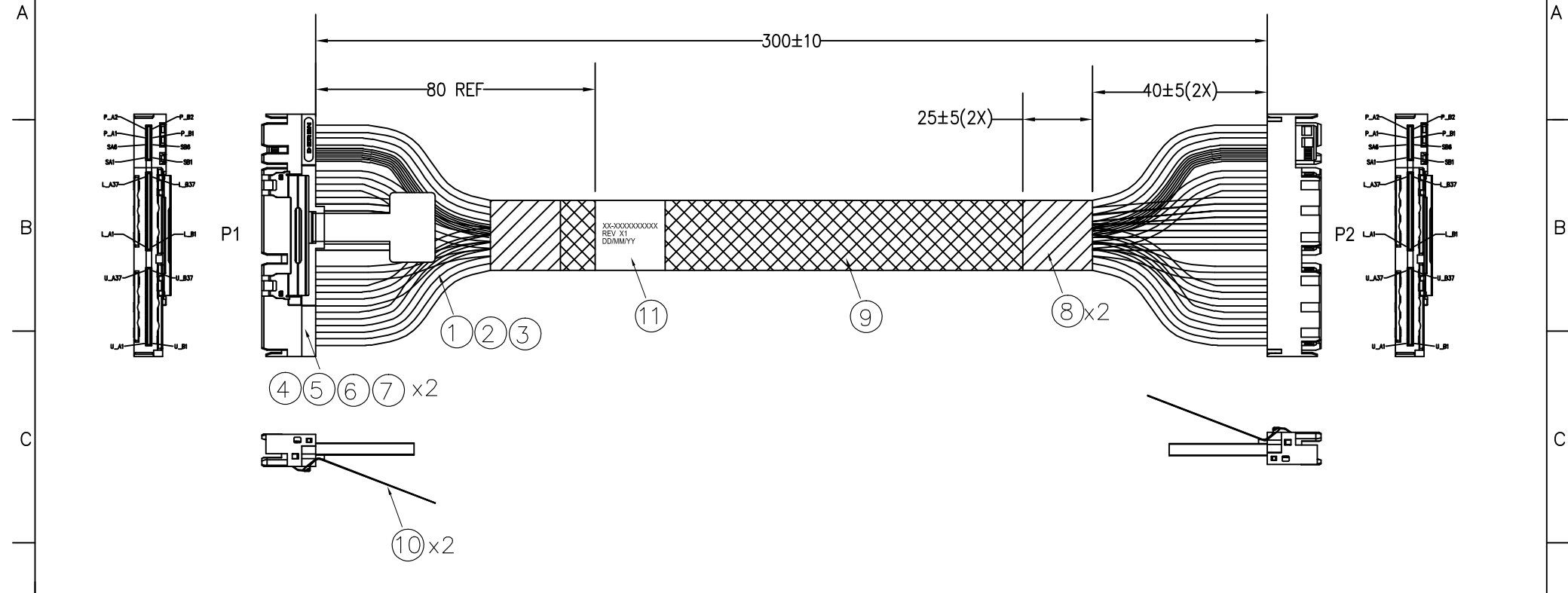



1	2	3	4	5	6	7	8
REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN		
X1			INITIAL RELEASE	2024.01.31	Peter Zhou		



D	11	LABEL	W=20mm,T=0.08mm,WHITE
	10	PULL TAB	PET PULL TAP BLUE
	9	WEAVE TUBE	PET, BLACK SINGLE ROOT
	8	ACETATE TAPE	ACETATE,BLACK
	7	LATCH	SUS301 3/4H, T=0.25mm
	6	BOTTOM COVER	Multi-trak 16X STR,BLACK
	5	TOP COVER	Multi-trak 16X STR,BLACK
	4	PCB	Combo x16+21A 164P; AU 30U;88 ohm
E	3	Cable-3	Low speed Cable, 30AWG 6X
	2	Cable-2	Power Cable, 16AWG UL1571 VW-1 80°C
	1	Cable-1	High speed Cable, 30AWG 1P+2D+AM,85Ω SLIVERED
	NO.	PART NAME	DESCRIPTION

CABLE PERFORMANCE REQUIREMENTS

- ELECTRICAL PERFORMANCE:
 - 100% OPEN & SHORT TEST.
 - CONNECTION RESISTANCE: 3.0 Ohm MAX
 - INSULATION RESISTANCE: 10M Ohm/DC300V/10ms(MIN)
- THE IMPEDANCE IS CABLE AREA : 85±10% OHM,CONNECTOR AREA: 85±15% OHM.
- THE CABLE ASSEMBLY ELECTRICAL AND MECHANICAL PERFORMANCE MUST BE MEET PCIE GEN5.0
- THE CABLE ASSEMBLY SHALL BE MEET RoHS2.0 COMPLIANT

DIM	TOL	DIM	TOL	 DEREN SHENZHEN DEREN ELECTRONIC CO., LTD	INSPECTION DRAWING		DATE	TITLE: MULTI-TRAK Comb 16X+21A Power STR CABLE		
x	±0.30	x	±2'		DRAW NO.	DESIGN:	Peter	01/31'24	P/N: SEE P/N	
.x	±0.20	.x	±1'			CHECK:	Robert	01/31'24	SHEET:	1/3
.xx	±0.15				REV.	APPROVAL:	BILL LIN	01/31'24	SCALE:	1:1
					X1			UNIT:	mm	



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Pin Assignment

REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
X1			INITIAL RELEASE	2023.12.13	Mikejiang

A

A

P1		P2	
Pin	Signal	Signal	Pin
PB2	P12V_PRIMARY	P12V_PRIMARY	PA2
PB1	GND	GND	PA1
SB6	Refer to the latest M-PIC spec for more pinout details this block		SA6
SB5			SA5
SB4			SA4
SB3			SA3
SB2			SA2
SB1			SA1
Mechanical Key			
L_B37	GND	GND	L_A37
L_B36	PETn0	PERn0	L_A36
L_B35	PETp0	PERp0	L_A35
L_B34	GND	GND	L_A34
L_B33	PETn1	PERn1	L_A33
L_B32	PETp1	PERp1	L_A32
L_B31	GND	GND	L_A31
L_B30	FLEXI06_A	USB2_A_Dn	L_A30
L_B29	FLEXI05_A	USB2_A_Dp	L_A29
L_B28	GND	GND	L_A28
L_B27	FLEXI04_A	FLEXI02_A	L_A27
L_B26	FLEXI03_A	FLEXI01_A	L_A26
L_B25	GND	GND	L_A25
L_B24	PETn2	PERn2	L_A24
L_B23	PETp2	PERp2	L_A23
L_B22	GND	GND	L_A22
L_B21	PETn3	PERn3	L_A21
L_B20	PETp3	PERp3	L_A20
L_B19	GND	GND	L_A19
L_B18	PETn4	PERn4	L_A18
L_B17	PETp4	PERp4	L_A17
L_B16	GND	GND	L_A16

B

B

P1		P2	
L_B15	PETn5	PERn5	L_A15
L_B14	PETp5	PERp5	L_A14
L_B13	GND	GND	L_A13
L_B12	CBL_PRES_A_PESTI_A_N	REFCLK_A_Dn	L_A12
L_B11	PERST_A_N	REFCLK_A_Dp	L_A11
L_B10	GND	GND	L_A10
L_B9	SMSDA_A	FLEXI00_A	L_A9
L_B8	SMSCL_A	3p3AUX_MGMT	L_A8
L_B7	GND	GND	L_A7
L_B6	PETn6	PERn6	L_A6
L_B5	PETp6	PERp6	L_A5
L_B4	GND	GND	L_A4
L_B3	PETn7	PERn7	L_A3
L_B2	PETp7	PERp7	L_A2
L_B1	GND	GND	L_A1
Mechanical Key			
U_B37	GND	GND	U_A37
U_B36	PETn8	PERn8	U_A36
U_B35	PETp8	PERp8	U_A35
U_B34	GND	GND	U_A34
U_B33	PETn9	PERn9	U_A33
U_B32	PETp9	PERp9	U_A32
U_B31	GND	GND	U_A31
U_B30	FLEXI06_B	USB2_B_Dn	U_A30
U_B29	FLEXI05_B	USB2_B_Dp	U_A29
U_B28	GND	GND	U_A28
U_B27	FLEXI04_B	FLEXI02_B	U_A27
U_B26	FLEXI03_B	FLEXI01_B	U_A26

C

C

P1		P2	
U_B25	GND	GND	U_A25
U_B24	PETn10	PERn10	U_A24
U_B23	PETp10	PERp10	U_A23
U_B22	GND	GND	U_A22
U_B21	PETn11	PERn11	U_A21
U_B20	PETp11	PERp11	U_A20
U_B19	GND	GND	U_A19
U_B18	PETn12	PERn12	U_A18
U_B17	PETp12	PERp12	U_A17
U_B16	GND	GND	U_A16
U_B15	PETn13	PERn13	U_A15
U_B14	PETp13	PERp13	U_A14
U_B13	GND	GND	U_A13
U_B12	CBL_PRES_B_PESTI_B_N	REFCLK_B_Dn	U_A12
U_B11	PERST_B_N	REFCLK_B_Dp	U_A11
U_B10	GND	GND	U_A10
U_B9	SMSDA_B	FLEXI00_B	U_A9
U_B8	SMSCL_B	3p3AUX_MGMT	U_A8
U_B7	GND	GND	U_A7
U_B6	PETn14	PERn14	U_A6
U_B5	PETp14	PERp14	U_A5
U_B4	GND	GND	U_A4
U_B3	PETn15	PERn15	U_A3
U_B2	PETp15	PERp15	U_A2
U_B1	GND	GND	U_A1

D

D

E

E

DIM	TOL	DIM	TOL
x	±0.30	x	±2'
.x	±0.20	.x	±1'
.xx	±0.15		

**DEREN**

SHENZHEN DEREN ELECTRONIC CO., LTD

INSPECTION DRAWING	DATE	TITLE: MULTI-TRAK Comb 16x21A Power STR CABLE
DRAW NO.	DESIGN: Peter 01/31'24	P/N: SEE P/N
	CHECK: Robert 01/31'24	SHEET: 2/3
REV. X1	APPROVAL: BILL LIN 01/31'24	SCALE: 1:1 UNIT: mm

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Pin Assignment

REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
X1			INITIAL RELEASE	2023.12.13	Mikejiang

A

A

P1		P2	
Pin	Signal	Signal	Pin
PA2	P12V_PRIMARY	P12V_PRIMARY	PB2
PA1	GND	GND	PB1
SA6	Refer to the latest M-PIC spec for more pinout details this block		SB6
SA5			SB5
SA4			SB4
SA3			SB3
SA2			SB2
SA1			SB1
Mechanical Key			
L_A37	GND	GND	L_B37
L_A36	PETn0	PERn0	L_B36
L_A35	PETp0	PERp0	L_B35
L_A34	GND	GND	L_B34
L_A33	PETn1	PERn1	L_B33
L_A32	PETp1	PERp1	L_B32
L_A31	GND	GND	L_B31
L_A30	FLEXI06_A	USB2_A_Dn	L_B30
L_A29	FLEXI05_A	USB2_A_Dp	L_B29
L_A28	GND	GND	L_B28
L_A27	FLEXI04_A	FLEXI02_A	L_B27
L_A26	FLEXI03_A	FLEXI01_A	L_B26
L_A25	GND	GND	L_B25
L_A24	PETn2	PERn2	L_B24
L_A23	PETp2	PERp2	L_B23
L_A22	GND	GND	L_B22
L_A21	PETn3	PERn3	L_B21
L_A20	PETp3	PERp3	L_B20
L_A19	GND	GND	L_B19
L_A18	PETn4	PERn4	L_B18
L_A17	PETp4	PERp4	L_B17
L_A16	GND	GND	L_B16

B

B

P1		P2	
Pin	Signal	Signal	Pin
L_A15	PETn5	PERn5	L_B15
L_A14	PETp5	PERp5	L_B14
L_A13	GND	GND	L_B13
L_A12	CBL_PRES_A_PESTI_A_N	REFCLK_A_Dn	L_B12
L_A11	PERST_A_N	REFCLK_A_Dp	L_B11
L_A10	GND	GND	L_B10
L_A9	SMSDA_A	FLEXI00_A	L_B9
L_A8	SMSCL_A	3p3AUX_MGMT	L_B8
L_A7	GND	GND	L_B7
L_A6	PETn6	PERn6	L_B6
L_A5	PETp6	PERp6	L_B5
L_A4	GND	GND	L_B4
L_A3	PETn7	PERn7	L_B3
L_A2	PETp7	PERp7	L_B2
L_A1	GND	GND	L_B1
Mechanical Key			
U_A37	GND	GND	U_B37
U_A36	PETn8	PERn8	U_B36
U_A35	PETp8	PERp8	U_B35
U_A34	GND	GND	U_B34
U_A33	PETn9	PERn9	U_B33
U_A32	PETp9	PERp9	U_B32
U_A31	GND	GND	U_B31
U_A30	FLEXI06_B	USB2_B_Dn	U_B30
U_A29	FLEXI05_B	USB2_B_Dp	U_B29
U_A28	GND	GND	U_B28
U_A27	FLEXI04_B	FLEXI02_B	U_B27
U_A26	FLEXI03_B	FLEXI01_B	U_B26

C

C



D

D

E

E

DIM	TOL	DIM	TOL
x	±0.30	x	±2'
.x	±0.20	.x	±1'
.xx	±0.15		

	DEREN			
	SHENZHEN DEREN ELECTRONIC CO., LTD			
	INSPECTION DRAWING	DATE	TITLE: MULTI-TRAK Comb 16x21A Power STR CABLE	
	DESIGN: Peter	01/31'24	P/N: SEE P/N	
CHECK: Robert	01/31'24	SHEET: 3/3		
APPROVAL: BILL LIN	01/31'24	SCALE: 1:1	UNIT: mm	

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