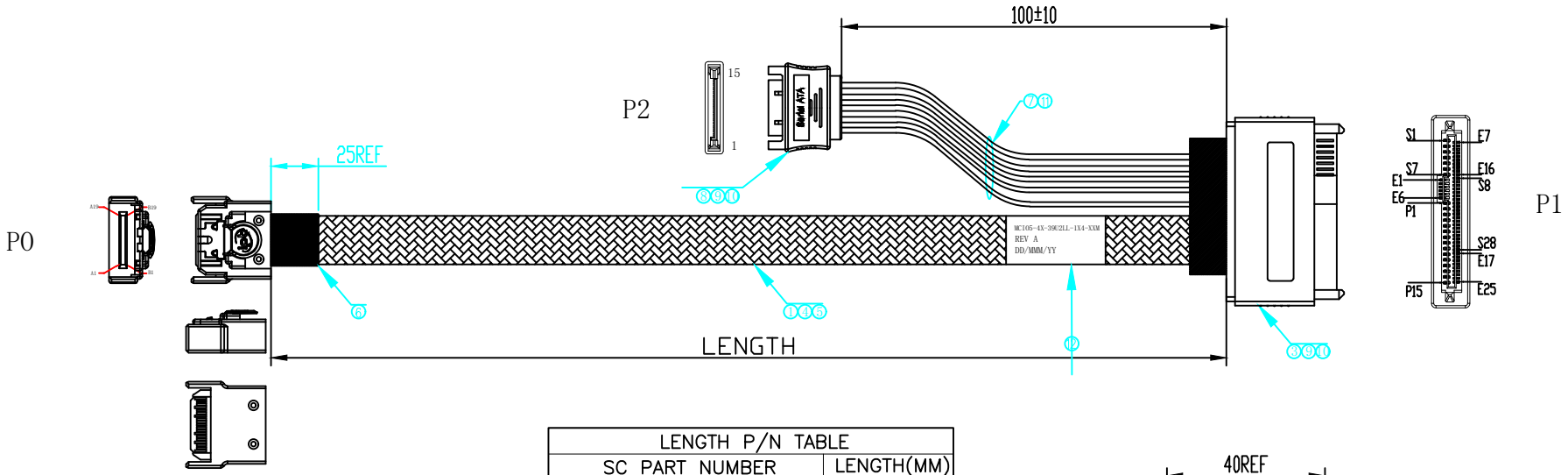
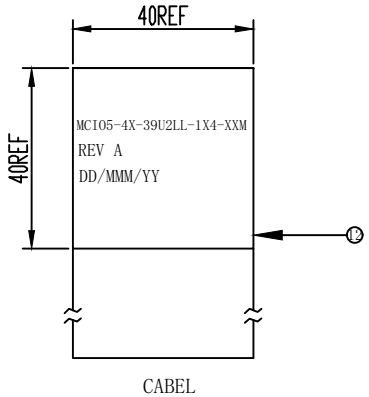
| DATE | DESCRIPTION OF CHANGE | REV |
|---|---|---|
| 2021-05-20 | XXXXX | A |
| | | |




| LENGTH P/N TABLE | |
|---|---|
| SC PART NUMBER | LENGTH(MM) |
| MCIO5-4X-39U2LL-1X4-0.5M | 500±20 |
| MCIO5-4X-39U2LL-1X4-1M | 1000±25 |




CABEL

TEST CONDITIONS:
1. 100% OPEN & SHORT & MISS—WIRING & INTERMITTENCE TEST
2. CONDUCTIVE RESISTANCE: 3Ω MAX.
3. INSULATION RESISTANCE: 10ΩM
4. HI-POT TEST: 300VDC FOR10ms.
5. THIS PRODUCT MEETS PCIE 5.0

| NO. | NAME | IPT NO. | DESCRIPTION | Q'TY | Q'TY |
|---|---|---|---|---|---|
| ⑫ | CABEL | | CABEL :40*40MM | 1 | PCS |
| ⑪ | WIRE | | WIRE 1007 24AWG STRANDED | – | MM |
| ⑩ | External Mould | | PVC 45P BLACK | – | G |
| ⑨ | Internal Mold | | PE See through | – | G |
| ⑧ | Connector | | SATA15P M PRS LCP BLK | 1 | PCS |
| ⑦ | WIRE | | WIRE:UL1007 18AWG 4IC BLK/RED/YEL | – | MM |
| ⑥ | Adhesive tape | | IERMLENE CLOTH TAPE,T=0.11mm.BLK. | – | MM |
| ⑤ | Network manager | | EXPANDO TUBE:OD=7MM,BLACK,VW-1, | – | MM |
| ④ | WIRE | | WIRE:UL1571 30AWG | – | MM |
| ③ | Connector | | SFF-8639 PCIE 68PIN CONN (GEN5 Welded type) | 1 | PCS |
| ② | Connector | | MICO STR With shrapnel | 1 | PCS |
| ① | CABLE | | 29AWG 85Ω HF PCIE: 6.0 Low loss (P06S62901) | – | MM |

serial CABLES

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| TITLE | MCIO5 4X TO 8639+SATA 15P CABLE U2.1X4 | | | | | SHEET | 1/2 |
| CUSTOMER | | CUSTOMER P/N | MCIO5-4X-39U2LL-1X4-XXM | | DRAWING | lupeng | |
| DWG NO. | WIPT20230408001 | UNIT | SCALE | REV | VIEW | CHECKED | lupeng |
| IPT P/N | | mm | NONE | A | | APPROVAL | |

| DATE | DESCRIPTION OF CHANGE | REV |
|---|---|---|
| 2023-04-08 | XXXXX | A |
| | | |

# WIRING DIAGRAI

| P0 | |
|---|---|
| PAD | SIGNAL |
| PERP3 | A17 |
| PERN3 | A18 |
| PERP0 | A2 |
| PERN0 | A3 |
| PERP2 | A14 |
| PERN2 | A15 |
| PERP1 | A5 |
| PERN1 | A6 |
| PETP3 | B17 |
| PETN3 | B18 |
| PETP0 | B2 |
| PETN0 | B3 |
| PETP2 | B14 |
| PETN2 | B15 |
| PETP1 | B5 |
| PETN1 | B6 |
| CLK_0_N | A9 |
| CLK_0_P | A8 |
| CLK_1_N | B9 |
| CLK_1_P | B8 |
| ATLAS_SCL | A11 |
| ATLAS_SDA | A12 |
| PERST#_0 | B11 |
| PERST#_1 | B12 |
| GND | A1,A4,A7 A10,A13 A16,A19 |

| P1 | |
|---|---|
| PAD | SIGNAL |
| E21 | PERp3 |
| E20 | PERn3 |
| E14 | PERp0 |
| E13 | PERn0 |
| S27 | PERp2 |
| S26 | PERn2 |
| S21 | PERp1 |
| S20 | PERn1 |
| E17 | PETp3 |
| E18 | PETn3 |
| E10 | PETp0 |
| E11 | PETn0 |
| S23 | PETp2 |
| S24 | PETn2 |
| S17 | PETp1 |
| S18 | PETn1 |
| E8 | RefClk0− |
| E7 | RefClk0+ |
| E2 | RefClk1− |
| E1 | RefClk1+ |
| E23 | SMClk |
| E24 | SMDat |
| E5 | ePerst0# |
| E4 | ePerst1# |
| S1,S4,S7,S8 S11,S14,S16 S19,S22,S25 S28,E9,E12 E15,E19,E22 | GND |
| E3 | 3.3Vaux |

| P1 | |
|---|---|
| P13,P14,P15 | +12V |
| P12 | GND |
| P7,P8,P9 | +5V |
| P5,P6 | GND |

| P2 | | | |
|---|---|---|---|
| PIN | SIGNAL | COLOR | AWG |
| P13,P14,P15 | +12V | YELLOW | 18AWG |
| P10,P11P12 | GND | BLACK | 24AWG |
| P7,P8,P9 | +5V | RED | 18AWG |
| P4,P5,P6 | GND | BLACK | 18AWG |
| P1,P2,P3 | +3.3V | ORANGE | 24AWG |

Note: Pin E25 for P2 SFF-8639 should be Open state

serial CABLES

| TITLE | MCIO5 4X TO 8639+SATA 15P CABLE U2.1X4 | | | | | SHEET | 2/2 |
|---|---|---|---|---|---|---|---|
| CUSTOMER | | CUSTOMER P/N | MCIO5-4X-39U2LL-1X4-XXM | | | DRAWING | lupeng |
| DWG NO. | WIPT20230408001 | UNIT | SCALE | REV | VIEW | CHECKED | lupeng |
| IPT P/N | | mm | NONE | A | | APPROVAL | |