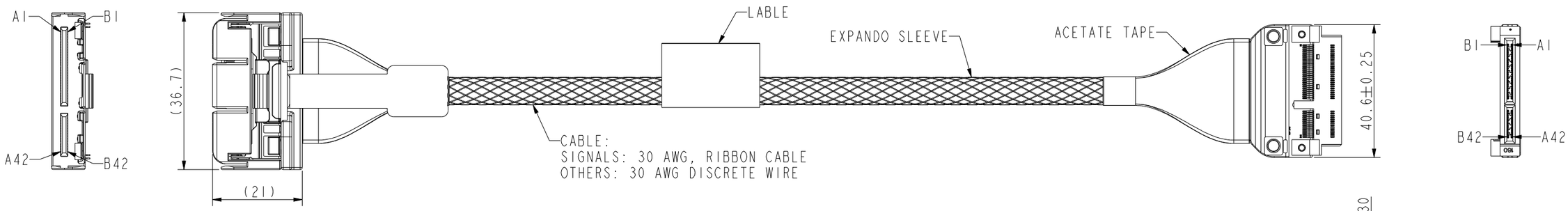
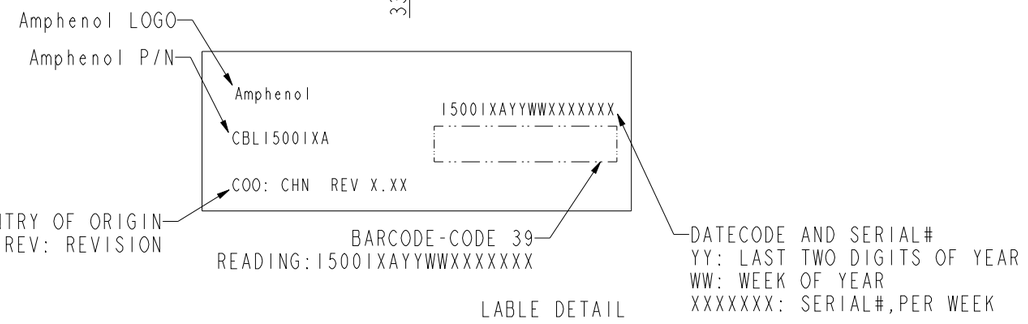
| revision history | | | | |
|---|---|---|---|---|
| rev | ecn no | description | dr | date |
| 4 | - | ADD NEW P/N OPTION | YX | 2023/09/26 |
| 5 | - | ADD NEW P/N OPTION | YX | 2023/09/27 |
| A | ELX-CD-F3329-1 | OFFICIAL RELEASE | YX | 2023/09/27 |




| | COLOR | UL STYLE | DESCRIPTION |
|---|---|---|---|
| RIBBON CBL | GRAY | NO UL BUT MEET VW-1 | 30AWG,1/0.254,PH:0.6mm,XL-PE,GRAY,13C,VW-1,HF |
| WIRE 1 | BLACK | UL3302 | 30AWG,1/0.254,TINNED,XL-PE,VW-1,OD:0.6mm,BLACK,R2,HF |
| WIRE 2 | RED | UL3302 | 30AWG,1/0.254,TINNED,XL-PE,VW-1,OD:0.6mm,RED,R2,HF |

NOTE:

1. CONNECTORS ARE SFF-TA-1002 COMPLIANT.
2. MATERIAL IS ROHS 3.0 AND HALOGEN FREE COMPLIANCE
3. ASSEMBLY TESTED FOR CONTINUITY, OPENS AND SHORTS.
4. CABLE BEND RADIUS 5X BUNDLE CABLE OD.
5. FOR WIRING SCHEMATIC REFER TO SHEET 2.
6. ORDERING P/N REFER TO P/N SYSTEM.




P/N SYSTEM:

CBL1500IXA

- 3: L=350mm
- 4: L=400mm
- 5: L=500mm
- 6: L=620mm

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| spec ref | | | | dr | Yunx Liu | 2024/01/10 | Amphenol |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | eng | Yunx Liu | 2024/01/11 | mm / scale - / size A3 |
| | | | | rvwr | Rocky Huang | 2024/01/11 | ecn no |
| | | | | appr | LY Yi | 2024/01/11 | amphenol-icc.com / rel level Released |
| surface | linear | 0.X | ± 0.5 | projection | | title | 2C CABLE 30 AWG STRADDLE MOUNT TO STRAIGHT PLUG |
| | | 0.XX | ± 0.25 | | | dwg no | CBL1500IXA |
| | | 0.XXX | ± 0.15 | | | cat. no. | rev A |
| | angular | 0° | ± 5° | | | product family | sheet 1 of 2 |



Creo File:APH-A3C,REV B,2021-05-07

PDS: Rev :A STATUS:Released Printed: Jan 11, 2024

PINOUT TABLE

| P1 | | | WIRE TYPE | P2 | | |
|---|---|---|---|---|---|---|
| PIN# | DESCRIPTION | VOLTAGE | | VOLTAGE | PIN# | SIGNAL NAME |
| B1 | ADDR_ID_1 | 3.3V | RIBBON CBL (Gray) | 3.3V | B1 | ADDR_ID_1 |
| B2 | GND | 0V | RIBBON CBL (Gray) | 0V | B2 | GND |
| B3 | PSU_ALERT_2_N | 3.3V | RIBBON CBL (Gray) | 3.3V | B3 | PSU_ALERT_2_N |
| B4 | PSU_ALERT_4_N | 3.3V | RIBBON CBL (Gray) | 3.3V | B4 | PSU_ALERT_4_N |
| B5 | PSU_ALERT_6_N | 3.3V | RIBBON CBL (Gray) | 3.3V | B5 | PSU_ALERT_6_N |
| B6 | PSU_ALERT_8_N | 3.3V | RIBBON CBL (Gray) | 3.3V | B6 | PSU_ALERT_8_N |
| B7 | PSU_ALERT_10_N | 3.3V | RIBBON CBL (Gray) | 3.3V | B7 | PSU_ALERT_10_N |
| B8 | PSU_ALERT_12_N | 3.3V | RIBBON CBL (Gray) | 3.3V | B8 | PSU_ALERT_12_N |
| B9 | PSU_RESET_1 | 3.3V | RIBBON CBL (Gray) | 3.3V | B9 | PSU_RESET_1 |
| B10 | PSU_RESET_3 | 3.3V | RIBBON CBL (Gray) | 3.3V | B10 | PSU_RESET_3 |
| B11 | PSU_RESET_5 | 3.3V | RIBBON CBL (Gray) | 3.3V | B11 | PSU_RESET_5 |
| B12 | PSU_RESET_7 | 3.3V | RIBBON CBL (Gray) | 3.3V | B12 | PSU_RESET_7 |
| B13 | PSU_RESET_9 | 3.3V | RIBBON CBL (Gray) | 3.3V | B13 | PSU_RESET_9 |
| B14 | PSU_RESET_11 | 3.3V | RIBBON CBL (Gray) | 3.3V | B14 | PSU_RESET_11 |
| B15 | GND | 0V | RIBBON CBL (Gray) | 0V | B15 | GND |
| B16 | PSU_PSNT_N_2 | 3.3V | RIBBON CBL (Gray) | 3.3V | B16 | PSU_PSNT_N_2 |
| B17 | PSU_PSNT_N_4 | 3.3V | RIBBON CBL (Gray) | 3.3V | B17 | PSU_PSNT_N_4 |
| B18 | PSU_PSNT_N_6 | 3.3V | RIBBON CBL (Gray) | 3.3V | B18 | PSU_PSNT_N_6 |
| B19 | PSU_PSNT_N_8 | 3.3V | RIBBON CBL (Gray) | 3.3V | B19 | PSU_PSNT_N_8 |
| B20 | PSU_PSNT_N_10 | 3.3V | RIBBON CBL (Gray) | 3.3V | B20 | PSU_PSNT_N_10 |
| B21 | PSU_PSNT_N_12 | 3.3V | RIBBON CBL (Gray) | 3.3V | B21 | PSU_PSNT_N_12 |
| B22 | I2C_SDA_0 | 3.3V | RIBBON CBL (Gray) | 3.3V | B22 | I2C_SDA_0 |
| B23 | GND | 0V | RIBBON CBL (Gray) | 0V | B23 | GND |
| B24 | I2C_CLK_1 | 3.3V | RIBBON CBL (Gray) | 3.3V | B24 | I2C_CLK_1 |
| B25 | I2C_CLK_2 | 3.3V | RIBBON CBL (Gray) | 3.3V | B25 | I2C_CLK_2 |
| B26 | I2C_SDA_3 | 3.3V | RIBBON CBL (Gray) | 3.3V | B26 | I2C_SDA_3 |
| B27 | I2C_SDA_4 | 3.3V | RIBBON CBL (Gray) | 3.3V | B27 | I2C_SDA_4 |
| B28 | GND | 0V | RIBBON CBL (Gray) | 0V | B28 | GND |
| KEY SLOT | | | | | | |
| B29 | I2C_CLK_5 | 3.3V | RIBBON CBL (Gray) | 3.3V | B29 | I2C_CLK_5 |
| B30 | I2C_CLK_6 | 3.3V | RIBBON CBL (Gray) | 3.3V | B30 | I2C_CLK_6 |
| B31 | PSU_ISHARE | ANA | RIBBON CBL (Gray) | ANA | B31 | PSU_ISHARE |
| B32 | PSU_SYNC_START | 3.3V | RIBBON CBL (Gray) | 3.3V | B32 | PSU_SYNC_START |
| B33 | PSU_THROTTLE_N | 3.3V | RIBBON CBL (Gray) | 3.3V | B33 | PSU_THROTTLE_N |
| B34 | GND | 0V | RIBBON CBL (Gray) | 0V | B34 | GND |
| B35 | PSU_RELAY_2 | 3V | RIBBON CBL (Gray) | 3V | B35 | PSU_RELAY_2 |
| B36 | PSU_RELAY_4 | 3V | RIBBON CBL (Gray) | 3V | B36 | PSU_RELAY_4 |
| B37 | PSU_RELAY_6 | 3V | RIBBON CBL (Gray) | 3V | B37 | PSU_RELAY_6 |
| B38 | PS_KILL | 0V | RIBBON CBL (Gray) | 0V | B38 | PS_KILL |
| B39 | RSVD | | RIBBON CBL (Gray) | | B39 | RSVD |
| B40 | P48V_RTN (GND) | 0V | DISCRETE (Black) | 0V | B40 | P48V_RTN (GND) |
| B41 | NC | DESUETUDE | | | B41 | NC |
| B42 | P48V_IN | 48V | DISCRETE (Black) | 48V | B42 | P48V_IN |

| P1 | | | WIRE TYPE | P2 | | |
|---|---|---|---|---|---|---|
| PIN# | DESCRIPTION | VOLTAGE | | VOLTAGE | PIN# | SIGNAL NAME |
| A1 | ADDR_ID_0 | 3.3V | RIBBON CBL (Gray) | 3.3V | A1 | ADDR_ID_0 |
| A2 | ADDR_ID_2 | 3.3V | RIBBON CBL (Gray) | 3.3V | A2 | ADDR_ID_2 |
| A3 | PSU_ALERT_1_N | 3.3V | RIBBON CBL (Gray) | 3.3V | A3 | PSU_ALERT_1_N |
| A4 | PSU_ALERT_3_N | 3.3V | RIBBON CBL (Gray) | 3.3V | A4 | PSU_ALERT_3_N |
| A5 | PSU_ALERT_5_N | 3.3V | RIBBON CBL (Gray) | 3.3V | A5 | PSU_ALERT_5_N |
| A6 | PSU_ALERT_7_N | 3.3V | RIBBON CBL (Gray) | 3.3V | A6 | PSU_ALERT_7_N |
| A7 | PSU_ALERT_9_N | 3.3V | RIBBON CBL (Gray) | 3.3V | A7 | PSU_ALERT_9_N |
| A8 | PSU_ALERT_11_N | 3.3V | RIBBON CBL (Gray) | 3.3V | A8 | PSU_ALERT_11_N |
| A9 | GND | 0V | RIBBON CBL (Gray) | 0V | A9 | GND |
| A10 | PSU_RESET_2 | 3.3V | RIBBON CBL (Gray) | 3.3V | A10 | PSU_RESET_2 |
| A11 | PSU_RESET_4 | 3.3V | RIBBON CBL (Gray) | 3.3V | A11 | PSU_RESET_4 |
| A12 | PSU_RESET_6 | 3.3V | RIBBON CBL (Gray) | 3.3V | A12 | PSU_RESET_6 |
| A13 | PSU_RESET_8 | 3.3V | RIBBON CBL (Gray) | 3.3V | A13 | PSU_RESET_8 |
| A14 | PSU_RESET_10 | 3.3V | RIBBON CBL (Gray) | 3.3V | A14 | PSU_RESET_10 |
| A15 | PSU_RESET_12 | 3.3V | RIBBON CBL (Gray) | 3.3V | A15 | PSU_RESET_12 |
| A16 | PSU_PSNT_N_1 | 3.3V | RIBBON CBL (Gray) | 3.3V | A16 | PSU_PSNT_N_1 |
| A17 | PSU_PSNT_N_3 | 3.3V | RIBBON CBL (Gray) | 3.3V | A17 | PSU_PSNT_N_3 |
| A18 | PSU_PSNT_N_5 | 3.3V | RIBBON CBL (Gray) | 3.3V | A18 | PSU_PSNT_N_5 |
| A19 | PSU_PSNT_N_7 | 3.3V | RIBBON CBL (Gray) | 3.3V | A19 | PSU_PSNT_N_7 |
| A20 | PSU_PSNT_N_9 | 3.3V | RIBBON CBL (Gray) | 3.3V | A20 | PSU_PSNT_N_9 |
| A21 | PSU_PSNT_N_11 | 3.3V | RIBBON CBL (Gray) | 3.3V | A21 | PSU_PSNT_N_11 |
| A22 | GND | 0V | RIBBON CBL (Gray) | 0V | A22 | GND |
| A23 | I2C_CLK_0 | 3.3V | RIBBON CBL (Gray) | 3.3V | A23 | I2C_CLK_0 |
| A24 | I2C_SDA_1 | 3.3V | RIBBON CBL (Gray) | 3.3V | A24 | I2C_SDA_1 |
| A25 | I2C_SDA_2 | 3.3V | RIBBON CBL (Gray) | 3.3V | A25 | I2C_SDA_2 |
| A26 | GND | 0V | RIBBON CBL (Gray) | 0V | A26 | GND |
| A27 | I2C_CLK_3 | 3.3V | RIBBON CBL (Gray) | 3.3V | A27 | I2C_CLK_3 |
| A28 | I2C_CLK_4 | 3.3V | RIBBON CBL (Gray) | 3.3V | A28 | I2C_CLK_4 |
| KEY SLOT | | | | | | |
| A29 | I2C_SDA_5 | 3.3V | RIBBON CBL (Gray) | 3.3V | A29 | I2C_SDA_5 |
| A30 | I2C_SDA_6 | 3.3V | RIBBON CBL (Gray) | 3.3V | A30 | I2C_SDA_6 |
| A31 | GND | 0V | RIBBON CBL (Gray) | 0V | A31 | GND |
| A32 | PSU_ISHARE_RTN | ANA | RIBBON CBL (Gray) | ANA | A32 | PSU_ISHARE_RTN |
| A33 | PSU_VOUT_SEL | 3.3V | RIBBON CBL (Gray) | 3.3V | A33 | PSU_VOUT_SEL |
| A34 | P3V3_FRU | 3.3V | RIBBON CBL (Gray) | 3.3V | A34 | P3V3_FRU |
| A35 | PSU_RELAY_1 | 3V | RIBBON CBL (Gray) | 3V | A35 | PSU_RELAY_1 |
| A36 | PSU_RELAY_3 | 3V | RIBBON CBL (Gray) | 3V | A36 | PSU_RELAY_3 |
| A37 | PSU_RELAY_5 | 3V | RIBBON CBL (Gray) | 3V | A37 | PSU_RELAY_5 |
| A38 | GND | 0V | RIBBON CBL (Gray) | 0V | A38 | GND |
| A39 | RSVD | | RIBBON CBL (Gray) | | A39 | RSVD |
| A40 | P48V_RTN (GND) | 0V | DISCRETE (Red) | 0V | A40 | P48V_RTN (GND) |
| A41 | NC | DESUETUDE | | | A41 | NC |
| A42 | 48V | 48V | DISCRETE (Red) | 48V | A42 | 48V |

NOTE:

ALL GROUND PADS SHOULD BE INDEPENDENT, NO COMMON GROUND IN THIS DESIGN



| | | | | | |
|---|---|---|---|---|---|
| spec ref | | | dr | Yunx Liu | 2024/01/10 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | | eng | Yunx Liu | 2024/01/11 |
| | | | rvwr | Rocky Huang | 2024/01/11 |
| | | | appr | LY Yi | 2024/01/11 |
| surface | linear | 0.X ± 0.5 | | | |
| | | 0.XX ± 0.25 | | | |
| | | 0.XXX ± 0.15 | | | |
| | angular | 0° ± 5° | | | |

Amphenol

amphenol-icc.com

mm | scale - | size A3

ecn no

rel level Released

projection

title: 2C CABLE 30 AWG STRADDLE MOUNT TO STRAIGHT PLUG

dwg no CBL1500IXA

cat. no.

rev A

product family

sheet 2 of 2