

DWG NO. C-VP773-10001 SH 1 REV A

| IV | SCR NO. | DESCRIPTION | BY | DATE | APPROVED |
|----|---------|---|-------|----------|----------|
| | 55192 | NEW RELEASE | T. D. | 01/15/10 | H. COOK |
| A | 55290 | UPDATED TO REFLECT NEW MATING PART NUMBERS, MADE ALL DIMENSIONS REFERENCE | B. B. | 04/28/10 | H. COOK |

OTES:

- I. REFER TO FOLLOWING TECH BULLETINS FOR VIPER PRODUCT SPECIFICATIONS:
 - TB-2094: VIPER GENERAL PRODUCT SPECIFICATION
 - TB-2095: VIPER CONNECTOR QUALIFICATION PLAN SUMMARY
 - TB-2096: VIPER SIGNAL INTEGRITY CHARACTERIZATION REPORT
 - TB-2097: VIPER SIGNAL TRACE ROUTING GUIDELINES BACKPLANE AND DAUGHTERCARD
 - TB-2098: INSTALLATION OF RIGHT-ANGLE PRESSFIT VIPER DAUGHTERCARD CONNECTORS
 - TB-2099: VIPER CONNECTOR REPAIR PROCEDURES
 - TB-2100: VIPER BACKPLANE CONNECTOR PRESS-FIT INSTALLATION PROCESS

PART MARKING AS FOLLOWS:

PART MARKING AS FOLLOWS:
FONT: 1.52 [.06"] HIGH HELVETICA
LOGO HEIGHT 3.81 [.15"] PLACED APPROXIMATELY WHERE SHOWN
LINE 1: "AMPHENOL" AND DATECODE (YYWW)
LINE 2: MODULE PART NUMBER VP773-10001

ALL GROUNDS WITHIN EACH SIGNAL WAFER ARE BUSSSED TOGETHER.

█ DUE TO DAUGHTERCARD THICKNESS VARIATIONS, M3 X 0.5 DAUGHTERCARD MOUNTING HARDWARE NOT INCLUDED. SCREW MUST NOT PROTRUDE MORE THAN 2.50 MILLIMETERS [.098"] BEYOND MOUNTING SURFACE OF DAUGHTERCARD TO AVOID GUIDE PIN INTERFERANCE.

THESE HOLES ARE REQUIRED TO SUPPORT VITA 46 PRODUCT SPECIFICATION AND ARE NOT REQUIRED FOR VIPER PRODUCT LINE TO BE INSTALLED.

① AFTER KEYING AND/OR REPAIR, LOCTITE 222-MS (P/N 22231) THREAD SEALER RECOMMENDED FOR HARDWARE RETENTION.

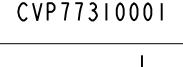
KEYING TO BE SPECIFIED BY CUSTOMER WHEN ORDERING.
BAGGED AND SHIPPED UNASSEMBLED WITH CONNECTOR.

Ø 6.00 GROUND PAD ON BOTH

DAUGHTER CARD PARTS LIST

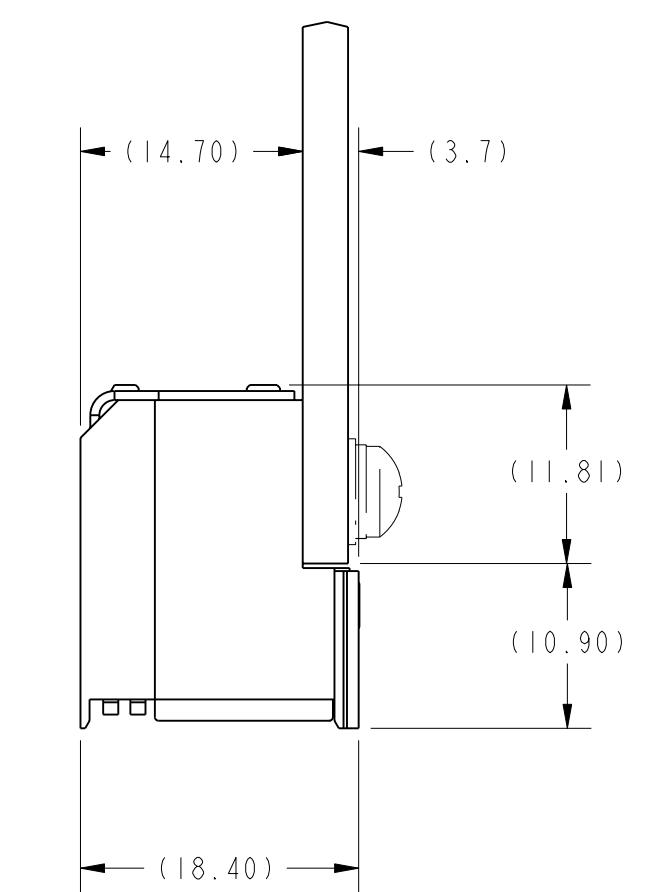
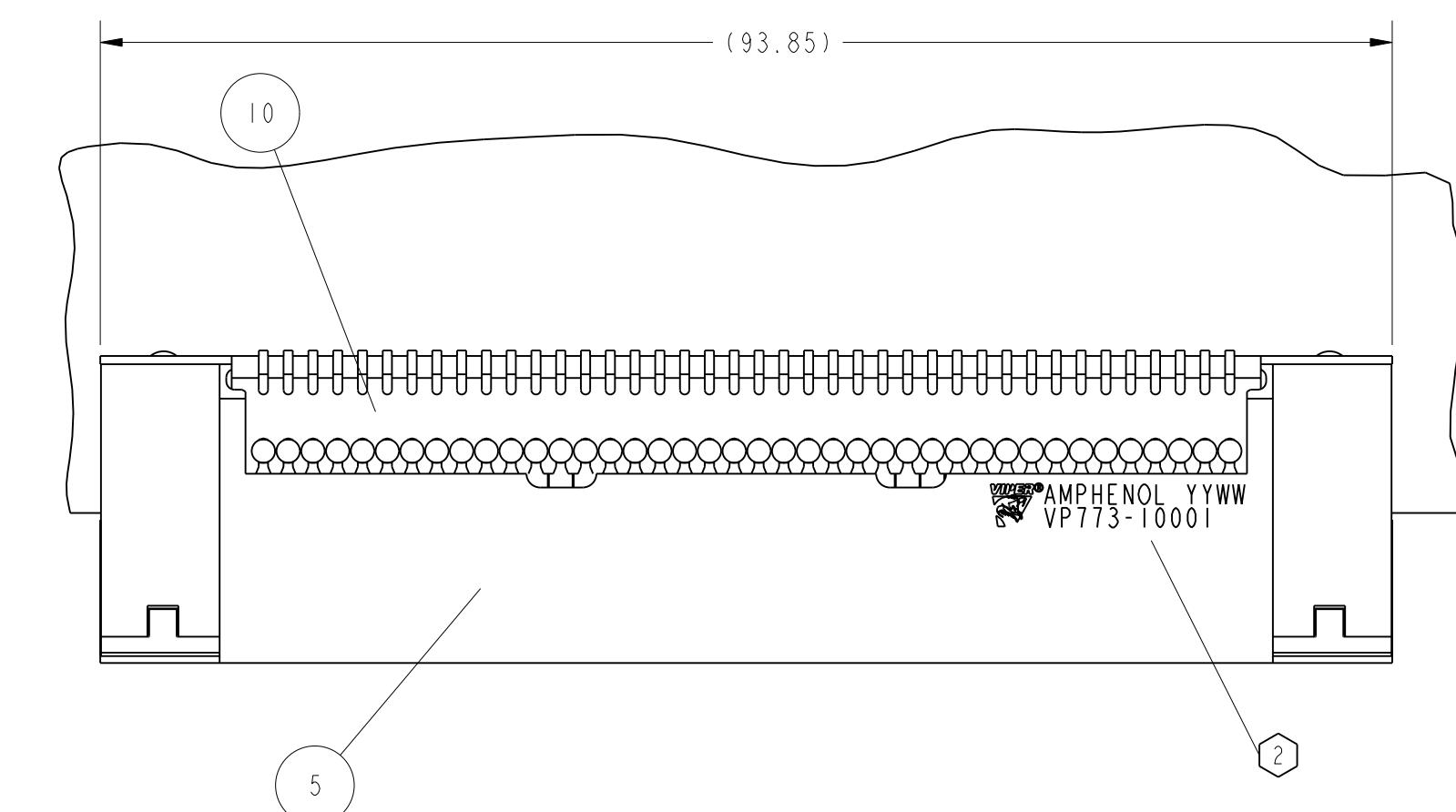
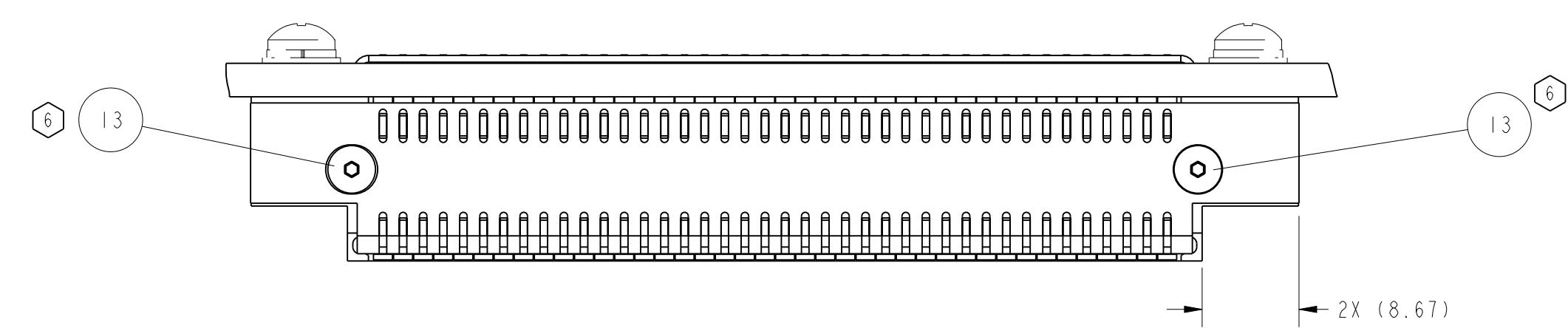
| DAUGHTER CARD PARTS LIST | | | | |
|--------------------------|--------------|------------------------------------|---|-----|
| ITEM | PART NUMBER | DESCRIPTION | MATERIAL/PLATING | QTY |
| 1 | 746-2023-000 | POWER WAFER | INSULATOR: LCP UL94 VO PER MIL-M-24519 CONTACTS: OLIN C7025 TM03 PLATING: 50 μ IN. GOLD OVER 150 μ IN. NICKEL TIN-LEAD PLATING ON COMPLIANTS | 3 |
| 2 | 746-2025-000 | ODD DIFFERENTIAL WAFER | INSULATOR: LCP UL94 VO PER MIL-M-24519 CONTACTS: OLIN C7025 TM03 PLATING: 50 μ IN. GOLD OVER 150 μ IN. NICKEL TIN-LEAD PLATING ON COMPLIANTS | 17 |
| 3 | 746-2026-000 | EVEN DIFFERENTIAL WAFER | INSULATOR: LCP UL94 VO PER MIL-M-24519 CONTACTS: OLIN C7025 TM03 PLATING: 50 μ IN. GOLD OVER 150 μ IN. NICKEL TIN-LEAD PLATING ON COMPLIANTS | 17 |
| 4 | 746-2024-000 | SINGLE ENDED WAFER | INSULATOR: LCP UL94 VO PER MIL-M-24519 CONTACTS: OLIN C7025 TM03 PLATING: 50 μ IN. GOLD OVER 150 μ IN. NICKEL TIN-LEAD PLATING ON COMPLIANTS | 3 |
| 5 | 846-0070-000 | 3U DC CONNECTOR FRAME | STAINLESS STEEL, TYPE 303, PASSIVATED | 1 |
| 6 | 800-7221-100 | ESD GROUNDING SLEEVE | CDA172, BeCu; GOLD OVER NICKEL PLATING | 1 |
| 7 | 800-7216-100 | 2-56 FLATHEAD 100 $^{\circ}$ SCREW | 300 SERIES STAINLESS STEEL | 2 |
| 8 | 800-7291-100 | 1-64 FLATHEAD 82 $^{\circ}$ SCREW | 300 SERIES STAINLESS STEEL | 2 |
| 9 | 846-0071-000 | FRONT STIFFENER | STAINLESS STEEL, TYPE 301, 1/2 HARD FINISH: MIL 2B | 1 |
| 10 | 846-0072-000 | BACK STIFFENER | STAINLESS STEEL, TYPE 301, 1/2 HARD FINISH: MIL 2B | 1 |
| 11 | 846-0104-000 | DC KEY BUSHING | STAINLESS STEEL, TYPE 440, PASSIVATED | 2 |
| 12 | 846-0073-000 | GUIDANCE/KEYING END CAPS | STAINLESS STEEL, TYPE 440, PASSIVATED | 2 |
| 13 | 800-7621-100 | 1-72 FLATHEAD X .25 L HEX DRIVE | STEEL BLACK OXIDE FINISH | 2 |

7

| | | | | | |
|---|-------------------|---|-------------------------|---|--|
| PROENGINEER PART PER_DC_VARIANT-A.ASSEM ROENGINEER DRAWING CVP77310001 | TOLERANCES | | DWN 01/04/10 | Amphenol Corporation AMPHENOL BACKPLANE SYSTEMS NASHUA, NH 03063 | |
| | 0.0 | ±- | T.DOUDET | | |
| | 0.00 | ±- | CHK 01/14/10 | | |
| | 0.000 | ±- | R.CHIFFY | | |
| | ANGLES | ±° | APVD 01/15/10 H.COOK | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS | | TITLE VIPER VARIANT "A" CONNECTOR, DAUGHTERCARD 3U CONFIGURATION | | | |
|  | | CUSTOMER USE DRAWING | | | |
| ERPRT PER ASME Y14.5M | | PART NO. | VP773-10001 | REV A | |
| ODE IDENT 55KX1 | | DRAWING NO. | C-VP773-10001 | REV A | |
| | | SIZE | D | SCALE 2/1 | |
| | | | | SHEET 1 OF 4 | |

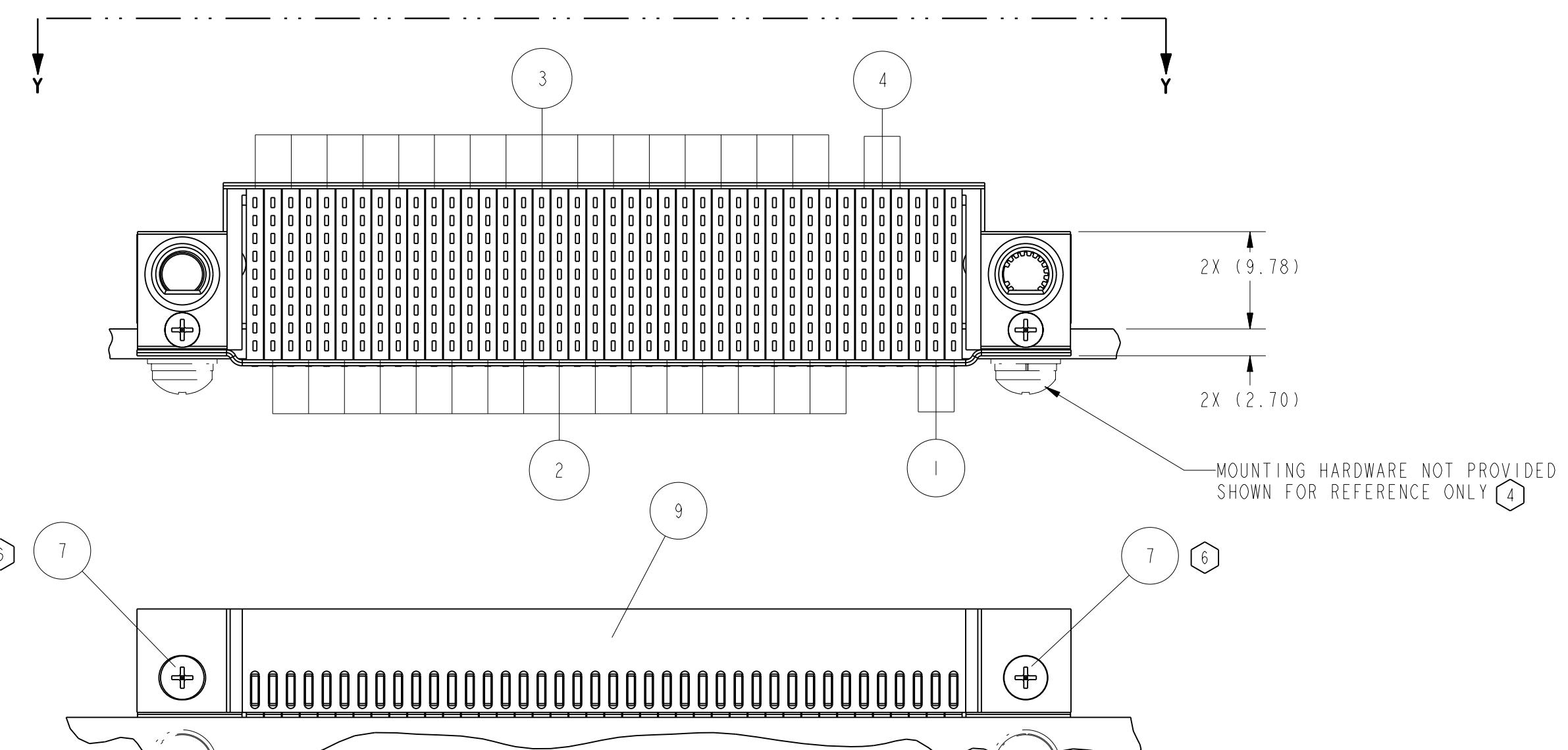
D

D



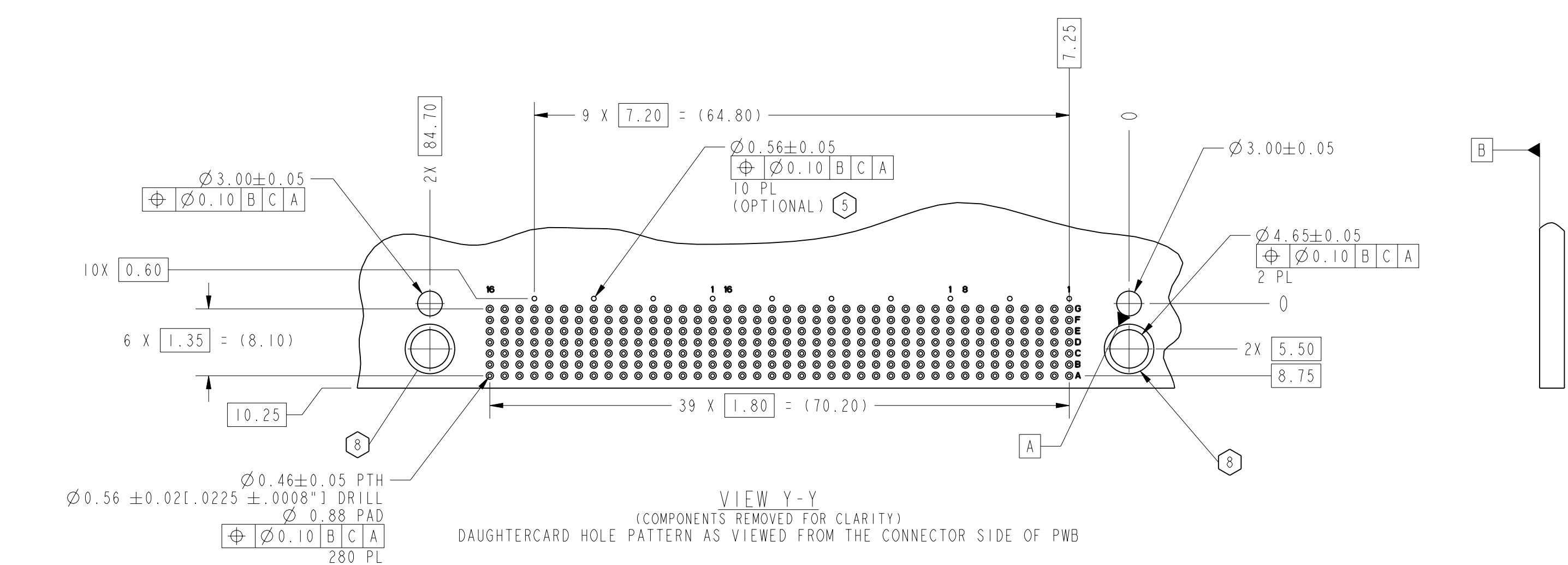
C

C



B

B



A

A

CUSTOMER USE DRAWING

| | |
|---------------------------|--------------|
| PART NO. VP773-10001 | REV A |
| DRAWING NO. C-VP773-10001 | REV A |
| SIZE D SCALE 2/1 | SHEET 2 OF 4 |

D

D

C

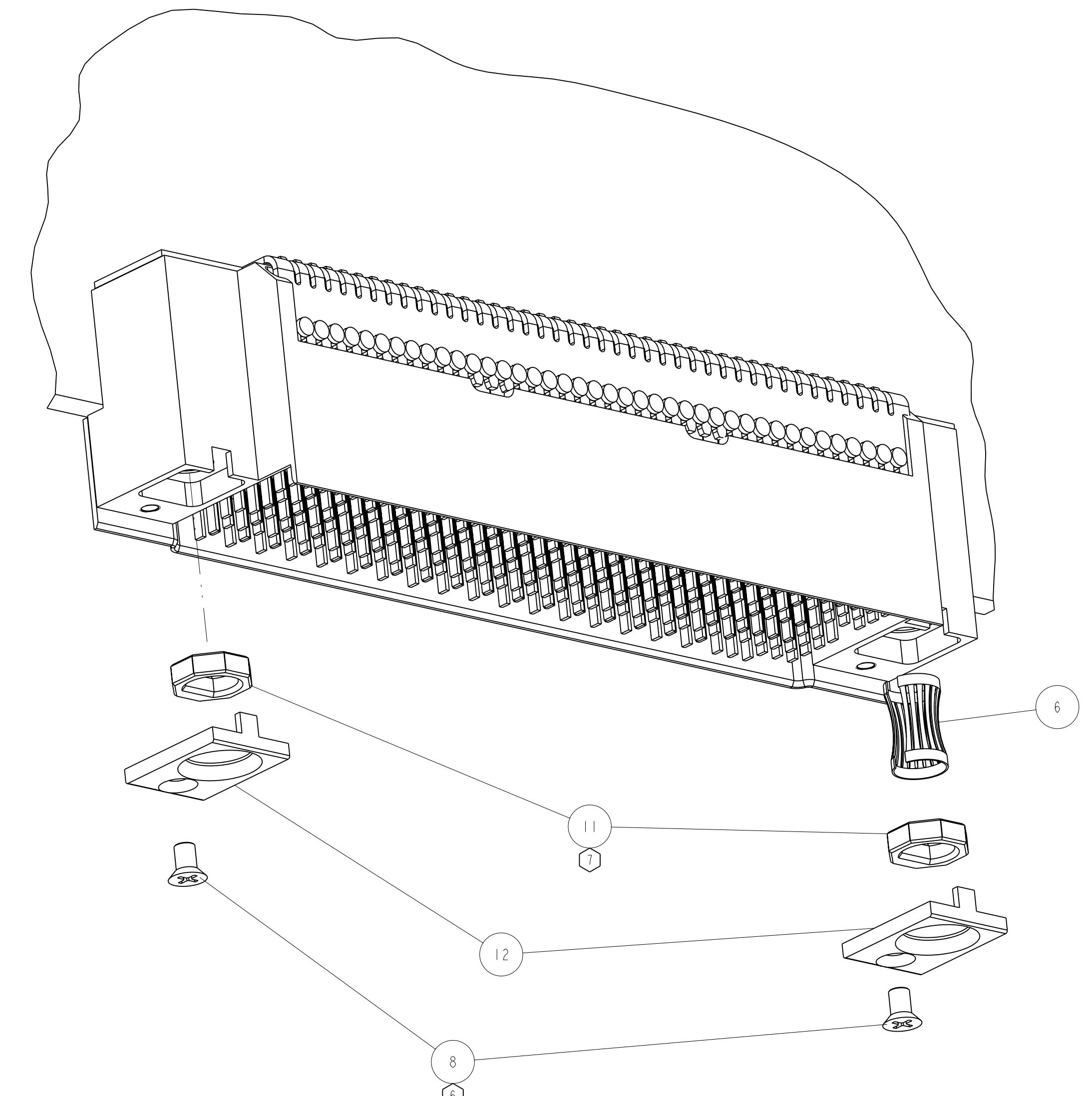
C

B

B

A

A

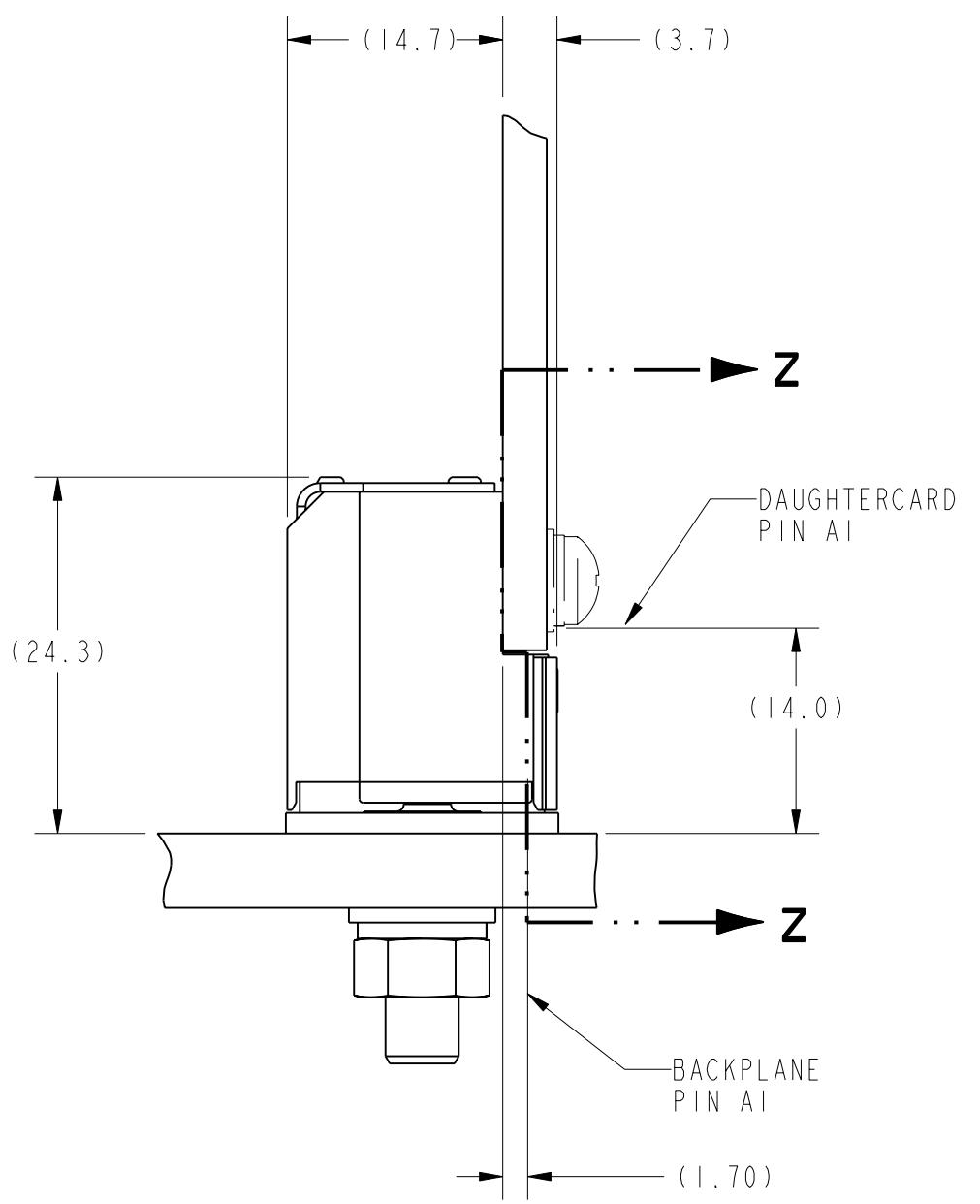
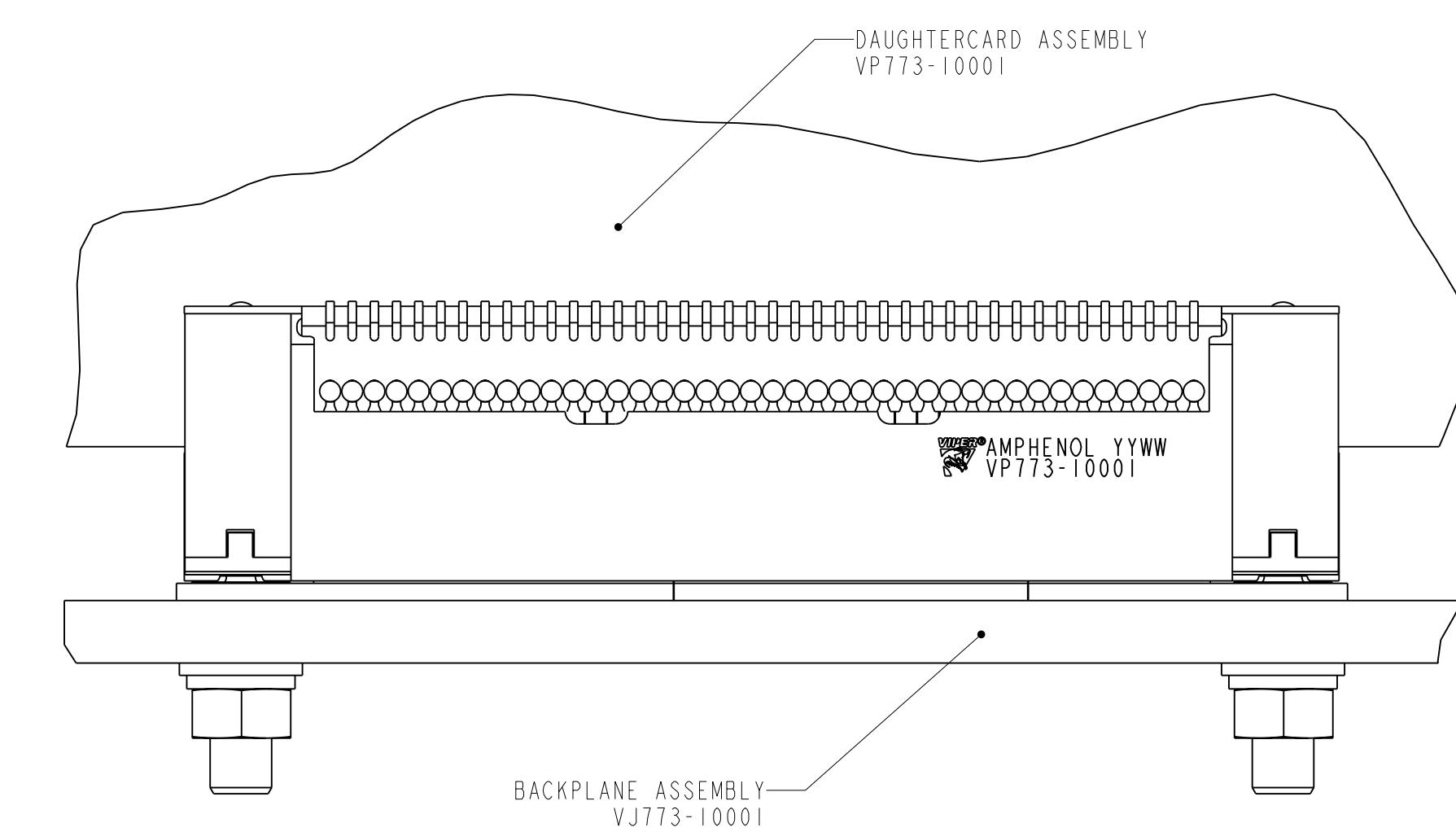


GUIDANCE/ KEYING/ ESD
HARDWARE EXPLODED VIEW
SCALE 3/1

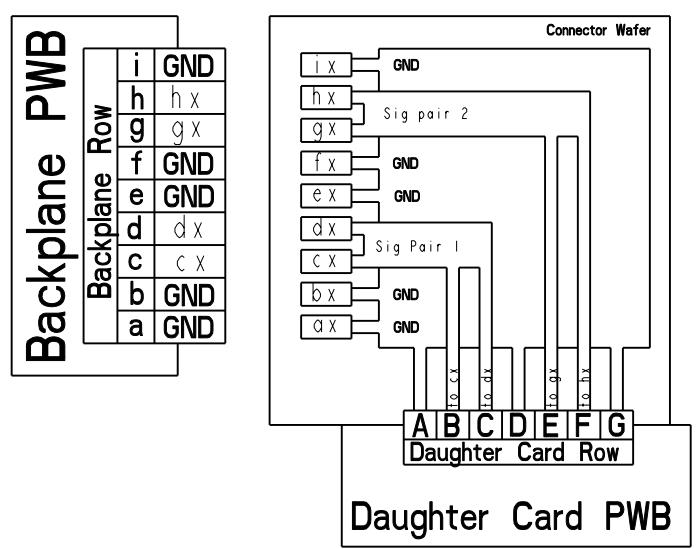
D

D

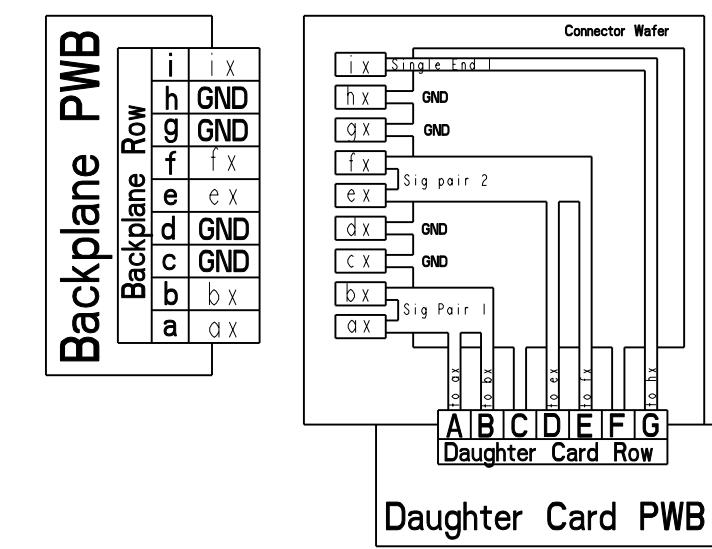
MATED CONFIGURATION



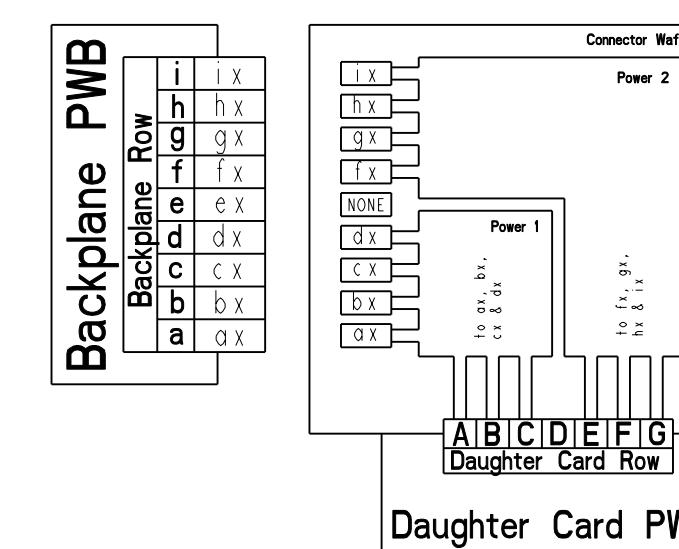
746-2026-000
DIFFERENTIAL (EVEN) WAFER MAPPING



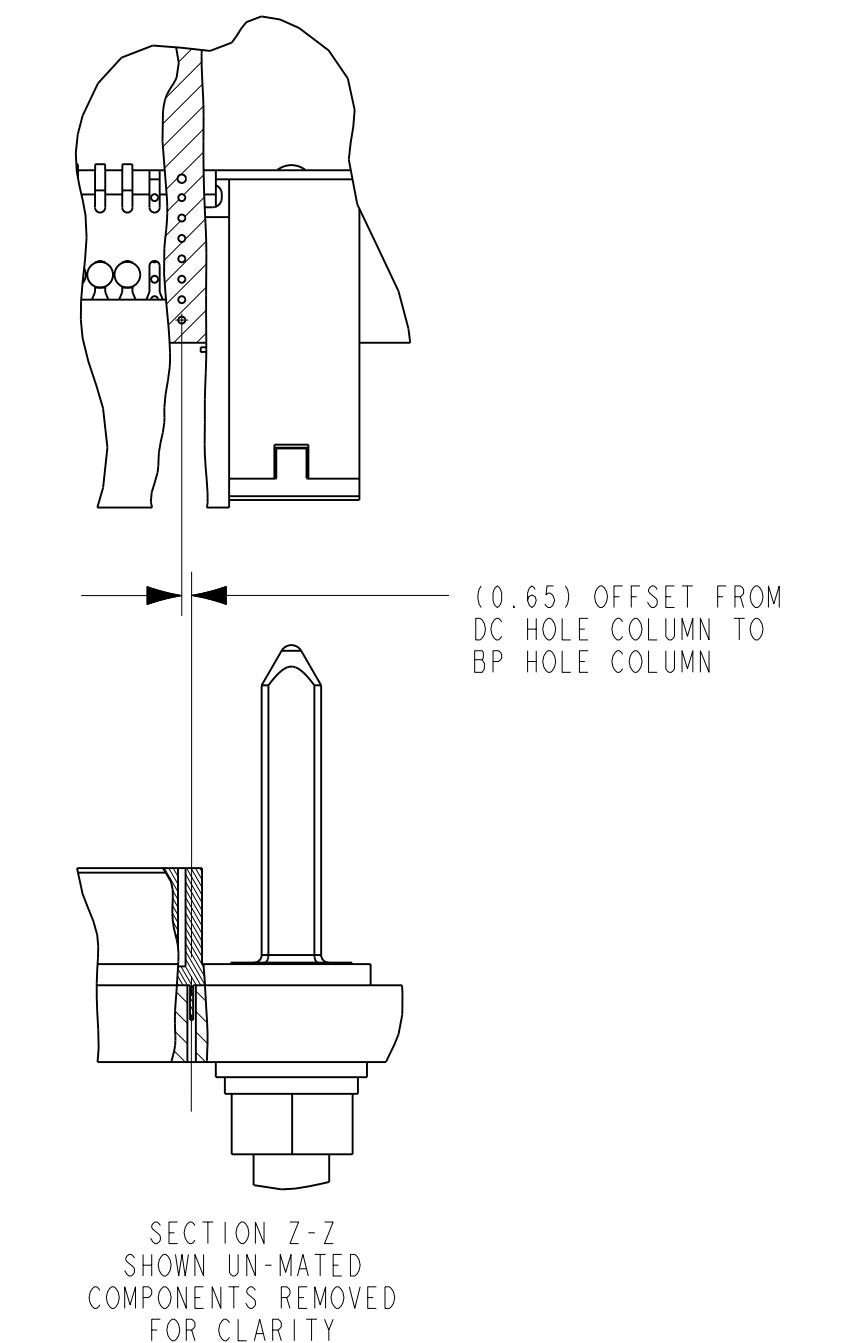
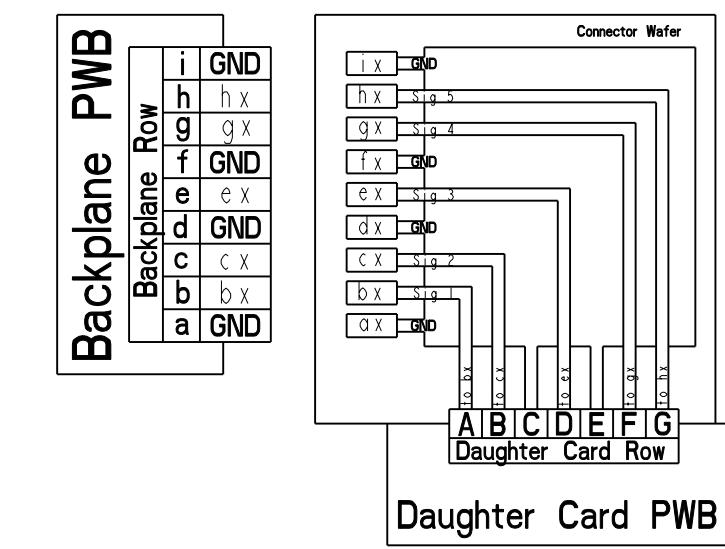
746-2025-000
DIFFERENTIAL (ODD) WAFER MAPPING



746-2023-000
POWER WAFER MAPPING



746-2024-000
SINGLE ENDED WAFER MAPPING



DWG NO. C-VP773-10001 SH 4 REV A

CUSTOMER
USE
DRAWING

PART NO. VP773-10001 REV A
DRAWING NO. C-VP773-10001 REV A
SIZE D SCALE 2/1 SHEET 4 OF 4

CODE IDENT 55KX1

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol:](#)

[VP773-10001](#)