

D

C

B

A

D

C

B

A

| DAUGHTER CARD PARTS LIST | | | | |
|--------------------------|--------------|------------------------------|---|-----|
| ITEM | PART NUMBER | DESCRIPTION | MATERIAL/PLATING | QTY |
| 1 | 746-1023-000 | POWER WAFER | INSULATOR: LCP UL94 V0 PER MIL-M-24519 CONTACTS: OLIN C7025 TM03 PLATING: 50μ IN. GOLD OVER 150μ IN. NICKEL TIN-LEAD PLATING ON COMPLIANTS | 3 |
| 2 | 746-1025-000 | ODD DIFFERENTIAL WAFER | INSULATOR: LCP UL94 V0 PER MIL-M-24519 CONTACTS: OLIN C7025 TM03 PLATING: 50μ IN. GOLD OVER 150μ IN. NICKEL TIN-LEAD PLATING ON COMPLIANTS | 17 |
| 3 | 746-1026-000 | EVEN DIFFERENTIAL WAFER | INSULATOR: LCP UL94 V0 PER MIL-M-24519 CONTACTS: OLIN C7025 TM03 PLATING: 50μ IN. GOLD OVER 150μ IN. NICKEL TIN-LEAD PLATING ON COMPLIANTS | 17 |
| 4 | 746-1024-000 | SINGLE ENDED WAFER | INSULATOR: LCP UL94 V0 PER MIL-M-24519 CONTACTS: OLIN C7025 TM03 PLATING: 50μ IN. GOLD OVER 150μ IN. NICKEL TIN-LEAD PLATING ON COMPLIANTS | 3 |
| 5 | 846-5119-000 | LEFT GUIDANCE/KEYING MODULE | STAINLESS STEEL, TYPE 440, PASSIVATED | 1 |
| 6 | 846-5120-000 | RIGHT GUIDANCE/KEYING MODULE | STAINLESS STEEL, TYPE 440, PASSIVATED | 1 |
| 7 | 800-7216-100 | 2-56 FLATHEAD 100° SCREW | 300 SERIES STAINLESS STEEL | 2 |
| 8 | 800-7291-100 | 1-64 FLATHEAD 82° SCREW | 300 SERIES STAINLESS STEEL | 2 |
| 9 | 846-0015-000 | FRONT STIFFENER | STAINLESS STEEL, TYPE 301, 1/2 HARD FINISH: MIL 2B | 1 |
| 10 | 846-1016-000 | BACK STIFFENER | STAINLESS STEEL, TYPE 301, 1/2 HARD FINISH: MIL 2B | 1 |

- NOTES:
- 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:
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 VP773-00001
 - ALL GROUNDS WITHIN EACH SIGNAL WAFER ARE BUSSED 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 INTERFERENCE.
 - THESE HOLES ARE REQUIRED TO SUPPORT VITA 46 PRODUCT SPECIFICATION AND ARE NOT REQUIRED FOR VIPER PRODUCT LINE TO BE INSTALLED.

| REV | | SCR NO. | DESCRIPTION | BY | DATE | APPROVED |
|-----|--|---------|---|------|----------|----------|
| - | | 54585 | NEW RELEASE | R.C. | 03/24/08 | A.SPENCE |
| A | | 54777 | PART NUMBERS UPDATED FOR REDUX ADDED NOTES 4 & 5 | R.C. | 08/18/08 | A.SPENCE |
| B | | 54864 | ADDED TB-2100 IN NOTE 1, ADDED FONT AND LOGO DETAILS IN NOTE 2 | R.C. | 10/27/08 | A.SPENCE |

MATES WITH 556-0005-000

| | |
|------|---------------------------|
| | INTERPRET PER ASME Y14.5M |
| CODE | IDENT 77820 |

| | | |
|---|---------------------------|---|
| TOLERANCES | DWN 06/01/07 R.C.HIFFY | AMPHENOL CORPORATION |
| 0.0 | ±0.25 | CHK 03/20/08 J.GULLA |
| 0.00 | ±0.13 | APVD 03/24/08 A.SPENCE |
| 0.000 | ±- | |
| ANGLES | ±° | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS | | TITLE VIPER VARIANT "A" CONNECTOR, DAUGHTERCARD 3U CONFIGURATION |
| CUSTOMER USE DRAWING | | PART NO. VP773-00001 |
| | | DRAWING NO. C-VP773-00001 |
| SIZE | D | SCALE |
| | | NONE |
| | | SHEET 1 OF 3 |

DWG NO. C-VP773-00001
REV B

D

C

B

A

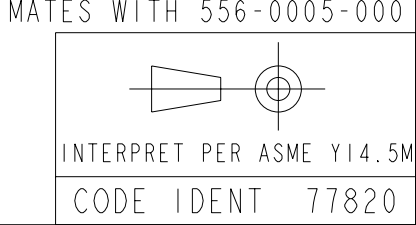
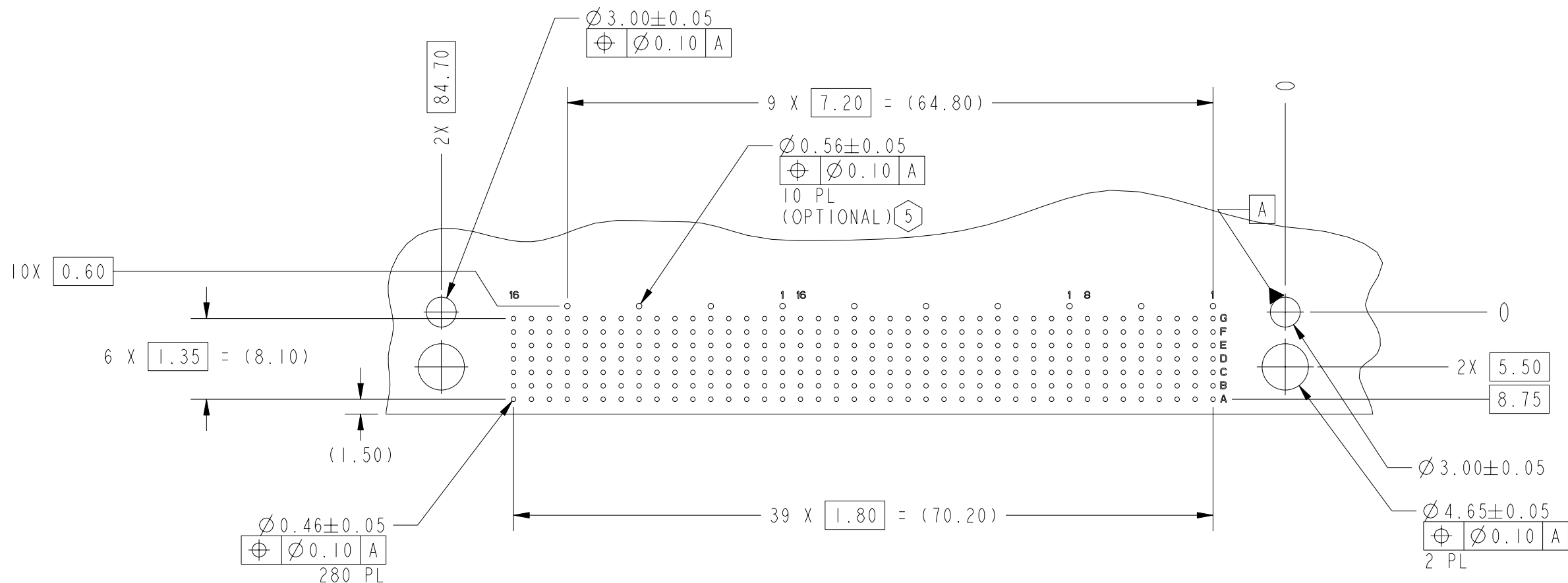
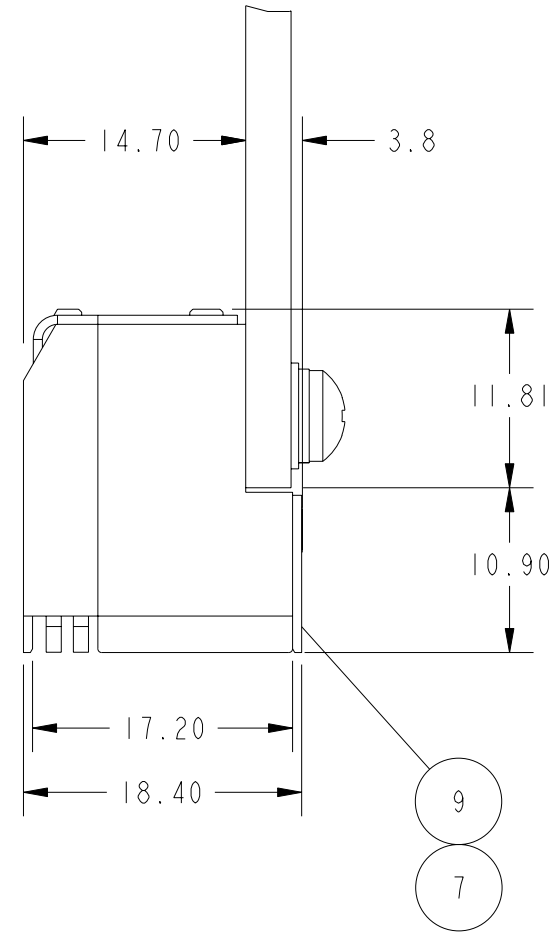
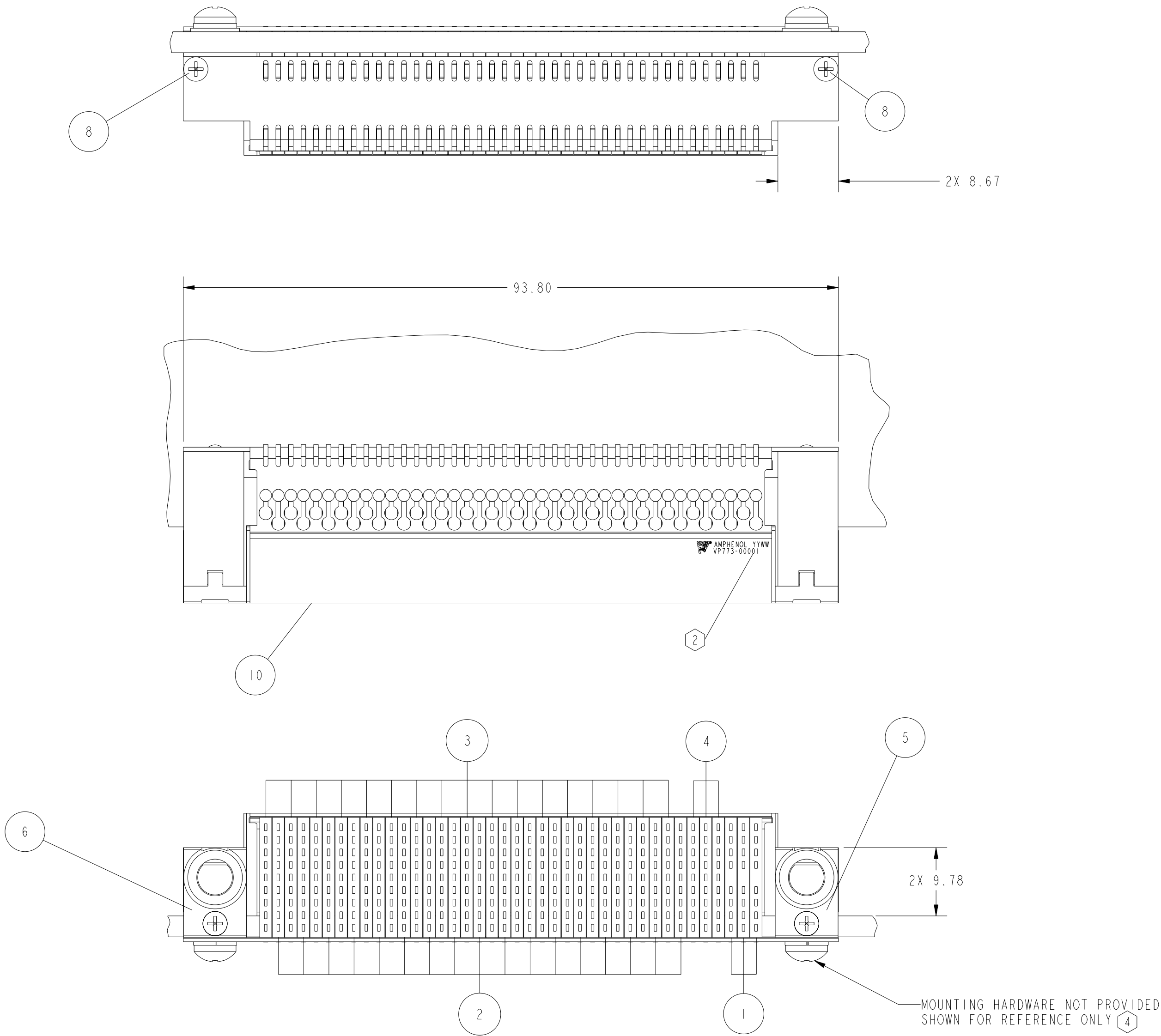
D

C

B

A

| REV | | SCR NO. | | DESCRIPTION | | BY | DATE | APPROVED |
|-----|-------|---|--|-------------|----------|----------|------|----------|
| - | 54585 | NEW RELEASE | | R.C. | 03/24/08 | A.SPENCE | | |
| A | 54777 | 0.60 OPTIONAL HOLE DIM WAS 0.85 MODIFIED HEIGHT BY 1.5 MM FOR VITA COMPLIANCE | | R.C. | 08/18/08 | A.SPENCE | | |
| B | 54864 | ADDED MARKING AND LOGO | | R.C. | 10/27/08 | A.SPENCE | | |



| TOLERANCES | | DWN 06/01/07 | | AMPHENOL CORPORATION | |
|-------------------------|--------|--|-----------|--|--|
| 0.0 | ± 0.25 | CHK 03/20/08 | R.C.HIFFY | AMPHENOL BACKPLANE SYSTEMS | |
| 0.00 | ± 0.13 | APVD 03/24/08 | J.GULLA | NASHUA, NH 03063 | |
| 0.000 | ± . | APVD 03/24/08 | A.SPENCE | TITLE | |
| ANGLES | ± .° | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS | | VIPER VARIANT "A" CONNECTOR, DAUGHTERCARD 3U CONFIGURATION | |
| MATES WITH 556-0005-000 | | PART NO. | | REV | |
| | | VP773-00001 | | B | |
| | | DRAWING NO. | | REV | |
| | | C-VP773-00001 | | B | |
| | | SIZE | | SHEET 2 OF 3 | |

DWG NO. C-VP773-00001

REV B

D

C

B

A

D

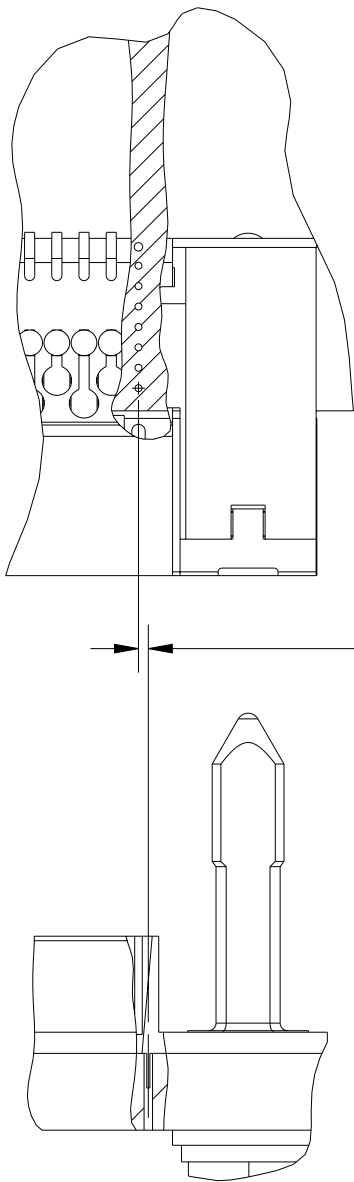
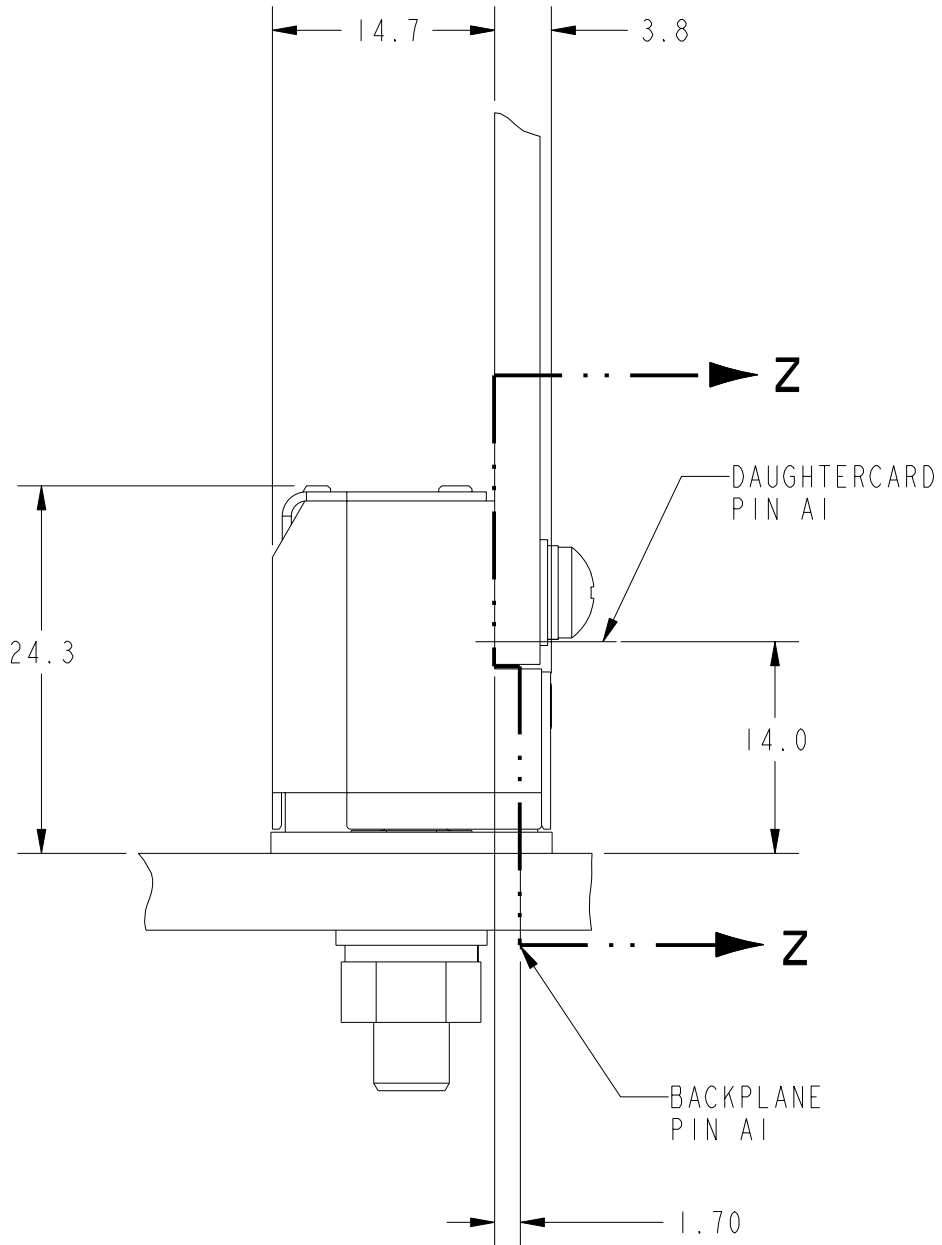
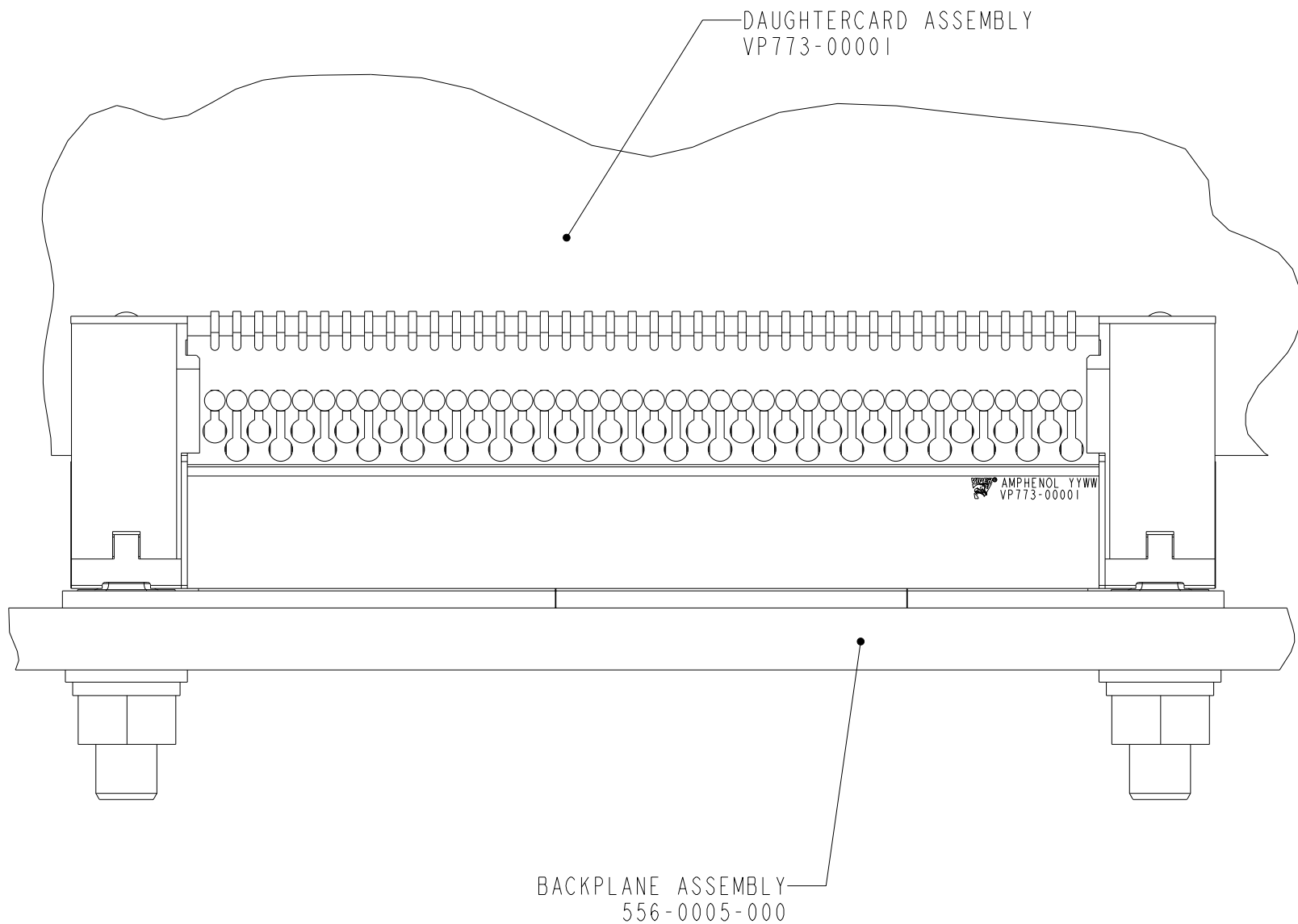
C

B

A

| REV | | SCR NO. | DESCRIPTION | BY | DATE | APPROVED |
|-----|-------|---------|--------------------------|------|----------|-----------|
| - | 54585 | | NEW RELEASE | R.C. | 03/24/08 | A. SPENCE |
| A | 54777 | | REDUCED HEIGHT BY 1.5 MM | R.C. | 08/18/08 | A. SPENCE |
| B | 54864 | | SEE SHEET 1 | R.C. | 10/27/08 | A. SPENCE |

MATED CONFIGURATION



SECTION Z-Z
SHOWN UN-MATED
COMPONENTS REMOVED
FOR CLARITY

0.65 OFFSET FROM
DC COLUMN TO
BP COLUMN

| | |
|-------------------------|---------------------------|
| MATES WITH 556-0005-000 | |
| | INTERPRET PER ASME Y14.5M |
| CODE | IDENT 77820 |

| | | | | |
|---|--------|----------------------------|---|--|
| TOLERANCES | | DWN 06/01/07 R. CHIFFY | AMPHENOL CORPORATION | |
| 0.0 | ± 0.25 | CHK 03/20/08 J. GULLA | AMPHENOL BACKPLANE SYSTEMS NASHUA, NH 03063 | |
| 0.00 | ± 0.13 | APVD 03/24/08 A. SPENCE | TITLE VIPER VARIANT "A" CONNECTOR, DAUGHTERCARD 3U CONFIGURATION | |
| 0.000 | ± . | | PART NO. VP773-00001 | |
| ANGLES | ± ° | | DRAWING NO. C-VP773-00001 | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS | | | SIZE D SCALE 2/1 SHEET 3 OF 3 | |
| CUSTOMER USE DRAWING | | | REV B | |

DWG NO. C-VP773-00001 SH 3 REV B