BACKPLANE MODULE
ASSEMBLY PART NUMBER ASSIGNMENT (5)

460 - X 0 X X - 0 X X

2 = CUSTOM LOAD. LEAD FREE
3 = L-SERIES
5 = UNIFORM LOAD.702X
6 = UNIFORM LOAD.BRUSH 60
7 = CUSTOM LOAD.LEADED
8 = ADVANCE MATE UNIFORM LOAD 702X
9 = ADVANCE MATE UNIFORM LOAD BRUSH
L = CUSTOM LOAD. LEADED. ADVANCED PLATING
N = CUSTOM LOAD. LEAD FREE. ADVANCED PLATING

MODULE ORIENTATION
0-OPEN

NO. OF POSN
10=10 POSN
25=25 POSN

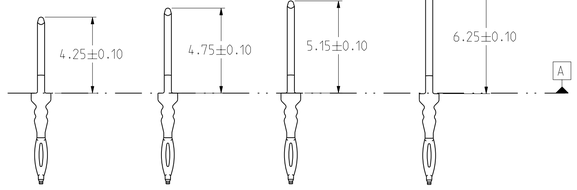
SIGNAL CONTACT LOAD (SEE TABEL 2)
PIN LENGTH
1 = 4.75
2 = 6.25
3 = 4.25
4 = 5.15

PLATING CODE (6)
0 = 735 4=804
1 = 732 5=803
2 = 769 6=806
3 = 768 7=805

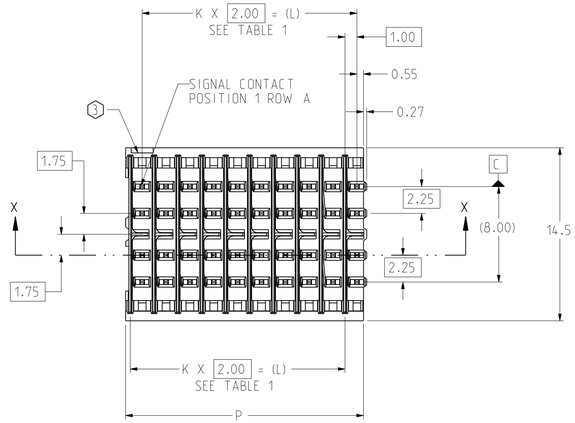
| TABLE 1 | | | | | | |
|---|---|---|---|---|---|---|
| ASSEMBLY PART NUMBER | BACKPLANE INSULATOR MODULE | K | (L) | P | TOTAL NUMBER OF SIGNAL CONTACTS | TOTAL NUMBER OF GROUND SHIELDS |
| 460-X010-0XX | 460-0010-070 | 9 | (18.00) | 20.0 | 40 | 10 |
| 460-X025-0XX | 460-0025-070 | 24 | (48.00) | 50.0 | 100 | 25 |

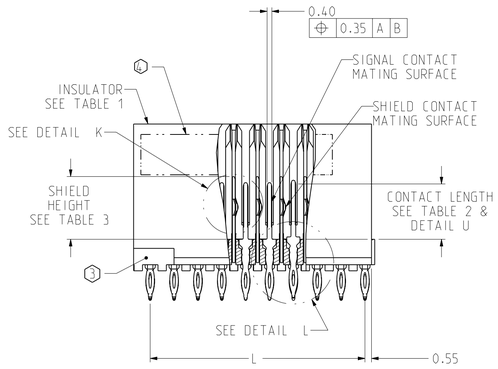
| TABLE 2 | | |
|---|---|---|
| ASSEMBLY PART NUMBER | SIGNAL CONTACT | CONTACT LENGTH |
| 460-(3.5.8)0XX-0X1 | 260-0022- (6) | 4.75 |
| 460-(3.5.8)0XX-0X2 | 260-0021- (6) | 6.25 |
| 460-(3.5.8)0XX-0X3 | 260-0023- (6) | 4.25 |
| 460-(3.5.8)0XX-0X4 | 260-0024- (6) | 5.15 |
| 460-(6.9)0XX-0X1 | 260-0002- (6) | 4.75 |
| 460-(6.9)0XX-0X2 | 260-0001- (6) | 6.25 |
| 460-(6.9)0XX-0X3 | 260-0003- (6) | 4.25 |
| 460-(6.9)0XX-0X4 | 260-0004- (6) | 5.15 |

| TABLE 3 | | |
|---|---|---|
| ASSEMBLY PART NUMBER | SHIELD CONTACT (SEE DETAIL W SH 2) | SHIELD HEIGHT |
| 460-30XX-0XX | N/A | N/A |
| 460-50XX-0XX | 272-0021- (6) | 5.3 |
| 460-60XX-0XX | 272-0001- (6) | 5.3 |
| 460-80XX-0XX | 272-0024- (6) | 5.5 |
| 460-90XX-0XX | 272-0004- (6) | 5.5 |

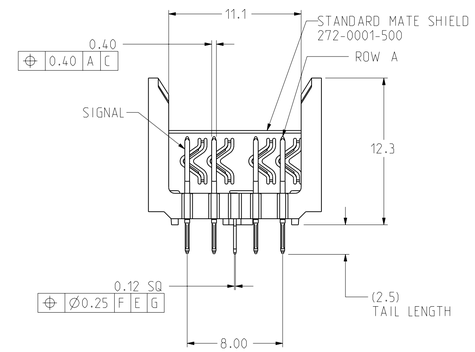



DETAIL U
SCALE 6/1
SEE TABLE 2

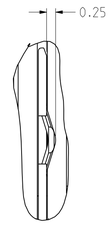


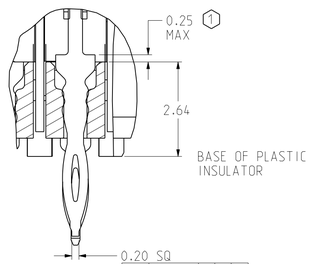

SECTION X-X




NOTES:
1. WHEN ASSEMBLED TO BACKPLANE INSULATOR, CONTACTS MUST SEAT FLUSH WITH INSULATOR TOP SURFACE TO MAXIMUM ALOWABLE GAP OF 0.25.
2. SHIELDS SHALL BE STRAIGHT WITH MAXIMUM ALLOWABLE BOW OF 0.15 MM ON EITHER SIDE OF SHIELD. SEE DETAIL "X". SEE SHEET 2.
3. OPEN. NOTCH END DESIGNATES COLUMN 1.
4. PART MARKING AS FOLLOWS:
   LINE 1: ATCSYYWWDHH (LOGO, YEAR, WEEK, DAY, HOUR)
   LINE 2: MODULE PART NUMBER (460-#######).
   LINE 3. WORK ORDER NUMBER (VH *######). WHERE "*" DENOTES MANUFACTURING LOCATION.
5. IF MODULE PART NUMBER IS 460-7XXX-XXX OR 460-2XXX-XXX OR 460-LXXX-XXX OR 460-NXXX-XXX, PART REVISION, MODULE ORIENTATION, NUMBER OF COLUMNS, PLATING CODE, AND SIGNAL CONTACT LOAD ARE NOT APPLICABLE.
6. LAST 3 DIGITS OF THE SIGNAL CONTACT AND SHIELD CONTACT PART NUMBERS ARE DETERMINED BY PLATING CODE.MATCHED PLATING DEFINED BY THE 9th DIGIT OF ASSEMBLY PART NUMBER.
   735 - Ni SULFAMATE, STANDARD GOLD, LEADED
   732 - Ni SULFAMATE, HIGH GOLD, LEADED
   769 - Ni SULFAMATE, STANDARD GOLD, LEAD-FREE
   768 - Ni SULFAMATE, HIGH GOLD, LEAD-FREE
   804 - NANO Ni, STANDARD GOLD, LEADED
   803 - NANO Ni, HIGH GOLD, LEADED
   806 - NANO Ni, STANDARD GOLD, LEAD-FREE
   805 - NANO Ni, HIGH GOLD, LEAD-FREE
7. FOR HASL ONLY, PTH TO BE Ø0.610-Ø0.495 MM.
8. ROUTE DIFFERENTIAL PAIRS THROUGH PINS A-B & D-E.
9. DATUM -A- IS DEFINED AS THE WAFER MATING SURFACE OF THE PLASTIC INSULATOR.
10. DATUM -B- IS DEFINED AS THE CENTERLINE OF THE TOP OF THE OUTERMOST WAFER SLOTS IN THE INSULATOR WALLS.
11. DATUM -C- IS DEFINED AS THE CENTERLINE OF THE CONNECTOR MEASURED FROM THE TWO OUTERMOST COLUMNS OF SIGNAL CONTACT HOLES.
12. DATUM -E- IS DEFINED AS THE CENTERLINE OF THE CONNECTOR MEASURED FROM THE TWO OUTERMOST COLUMNS OF SIGNAL CONTACTS TAIL SIDE.
13. DATUM -F- IS DEFINED AS THE BOTTOM SURFACE OF THE PLASTIC INSULATOR.
14. DATUM -G- IS DEFINED AS THE CENTERLINE OF THE CONNECTOR MEASURED FROM THE TWO OUTERMOST ROW'S OF SIGNAL CONTACTS TAIL SIDE.
15. REMOVED




DETAIL K
SCALE 12/1/1




DETAIL L
SCALE 12/1/1

| ZONE | REV | SCR NUMBER | DESCRIPTION | BY | DATE | APPROVED |
|---|---|---|---|---|---|---|
| ALL | - | 29470 | NEW RELEASE | | | |
| - | A | 34907 | ADDED ADVANCE MATE SHIELD | JSG | 11/13/00 | LEBLANC |
| - | B | 39370 | ADDED VHDM TO TITLE | SG | 8/1/02 | YEH |
| - | C | 40819 | MODIFIED TABLE III | SG | 1/7/03 | W.LI |
| - | D | WLII-5V6M7T.VER02 | REVISE DATUMS.ADD TABLE IV | M.LEE | 10/3/03 | W.LI |
| - | E | KLEC-66RSE5.VER01 | MODIFIED TITLE BLOCK | SG | 9/20/04 | LEBLANC |
| - | F | DMAG-6BSMYQ.VER01 | ADDED LEAD FREE PLATING OPTION | GKR | 05/04/05 | S.BAIR |
| | G | MLEE-6KBPQ3.VER01 | REPLACED DRAWING FORMAT | ML | 01/20/06 | C.SAMMIS |
| | H | SBAR-6NHKJR.VER01 | UPDATED TABLE 2 ,TABLE 3 AND TABLE 4 | HCL | 04/10/06 | K.LEBLANC |
| | J | CSAS-82ZPTE.VER01 | ADDED NEW PART NUMBERS FOR NEW PLATING CODES IN ASSEMBLY PART NUMBER ASSIGNMENT TREE DELETED TABLE 4. MODIFIED NOTE 5 AND 6.REMOVED NOTE 15. | HCL-MH | 02/26/2010 | C.SAMMIS |

| TOLERANCES | |
|---|---|
| 0.0 | ±0.25 |
| 0.00 | ±0.13 |
| 0.000 | ± - |
| ANGLES | ± - |

DESIGN 3/30/99 DP/JSG
DRAWN
CHK 11/22/99 D.Provencher
APVD 4/24/00 D.Provencher

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD

INTERPRET PER ASME Y14.5M

CUSTOMER USE DRAWING

CODE IDENT 31413

**Amphenol TCS**
A Division of Amphenol Corporation
200 Innovative Way, Nashua, NH 03062 603.879.3000

TITLE: BACKPLANE OPEN ENDED MODULE
ASSEMBLY, 5 ROW VHDM-HSD

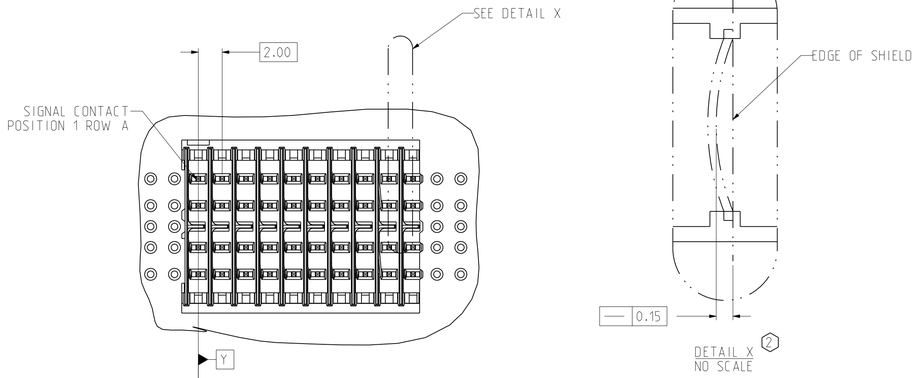
PART NO. SEE PART NUMBER TREE — REV N/A
DRAWING NO. C-460-5010-500 — REV J

Pro/E type: P1018-ASSY-BP-10-OPENGUIDE 1.17
Pro/E DRAWING: C-460-5010-500 J.0

SIZE D | SCALE 4/1 | SHEET 1 OF 2

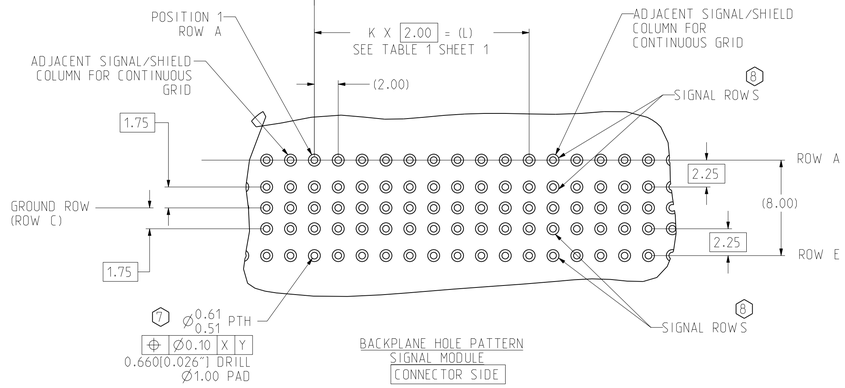
DRW NO. C-460-5010-500 | SH 1 | REV J

| ZONE | REV | SCR NUMBER | DESCRIPTION | BY | DATE | APPROVED |
|---|---|---|---|---|---|---|
| | | | SEE SHEET 1 | | | D.Provencher |

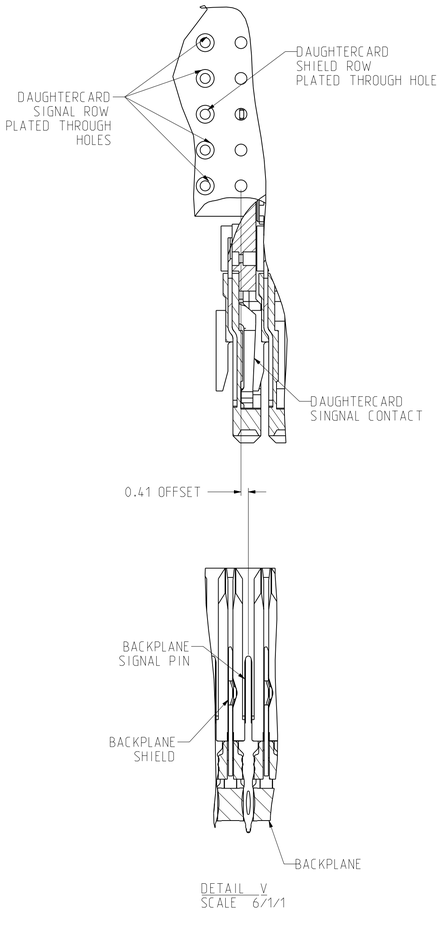




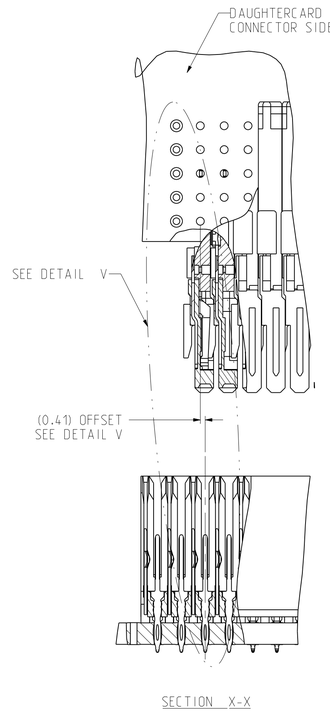




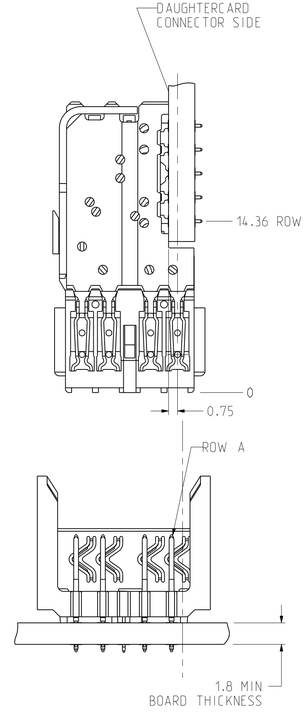

BACKPLANE HOLE PATTERN
SIGNAL MODULE
CONNECTOR SIDE

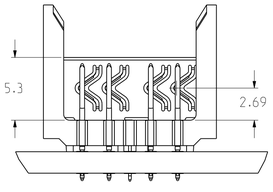



DETAIL V
SCALE 6/1/1

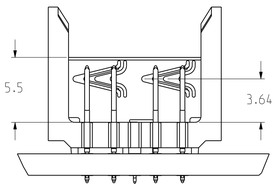



SECTION X-X




STANDARD MATE SHIELD
272-0001-XXX
DETAIL W




ADVANCE MATE SHIELD
272-0004-XXX
DETAIL W

| TOLERANCES | |
|---|---|
| 0.0 | ±0.25 |
| 0.00 | ±0.13 |
| 0.000 | ± - |
| ANGLES | ± - |

DESIGN 3/30/99 DP/JSG
DRAWN
CHK 11/22/99 D.Provencher
APVD 4/24/00 D.Provencher

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD

INTERPRET PER ASME Y14.5M

CODE IDENT 31413

CUSTOMER USE DRAWING

**Amphenol TCS**
A Division of Amphenol Corporation
200 Innovative Way, Nashua, NH 03062 603.879.3000

TITLE
BACKPLANE OPEN ENDED MODULE
ASSEMBLY, 5 ROW VHDM-HSD

| PART NO. | REV |
|---|---|
| SEE PART NUMBER TREE | N/A |
| DRAWING NO. C-460-5010-500 | J |
| ProE type: P1018-ASSY-BP-10-OPENGUIDE | 1.17 |
| ProE DRAWING: C-460-5010-500 | J.0 |
| SIZE D | SCALE 5/1 | SHEET 2 OF 2 |

DRW NO. C-460-5010-500 SH 2 REV J