| REVISIONS | | | | |
|---|---|---|---|---|
| REV. | ECO. NO | DESCRIPTION | DATE | BY |
| A | 1595 | INITIAL RELEASE | 11/31/07 | VJ |
| B | 1707 | UPDATE P/N CODING CHART, PLATING | 05/30/08 | ASK |
| C | 1933 | UPDATE DRAWING VIEWS, NOTES & DIM. | 3/09/2009 | JH |

# PART NUMBER CODING
# N_E_ _DHHN-T9_ _

**PLATING**
(ALL PLATINGS ARE LEAD FREE AND HAVE 50µ" NICKEL UNDERPLATE)

| CONTACT SURFACE | TERMINATION |
|---|---|
| W = GOLD FLASH | .000100" PURE TIN, MATTE |
| B = .000010" GOLD | .000100" PURE TIN, MATTE |
| C = .000030" GOLD | .000100" PURE TIN, MATTE |

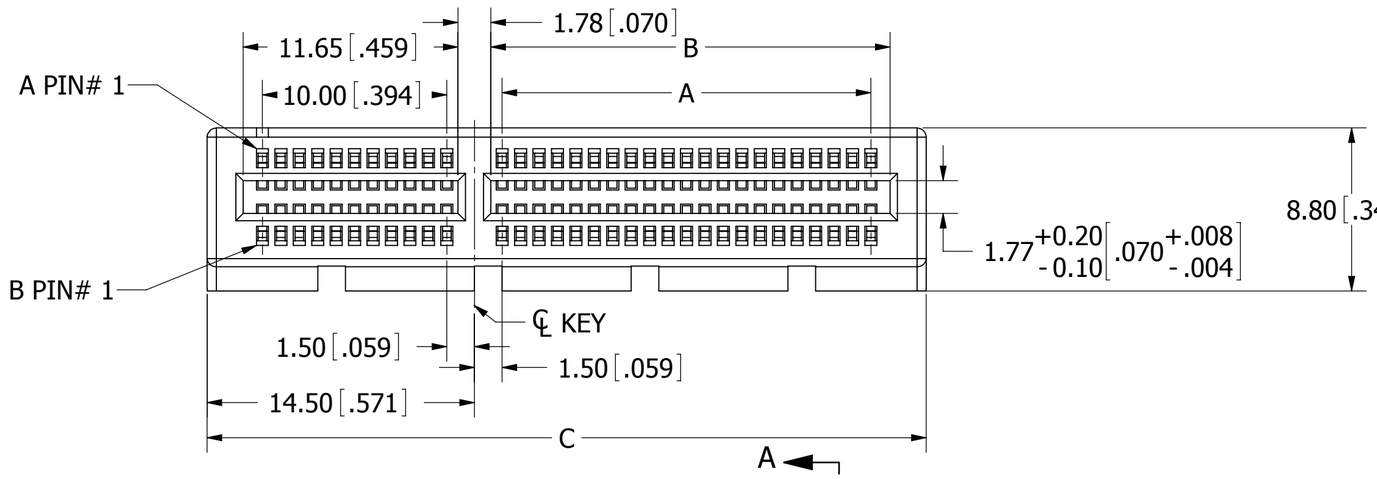
**POSITIONS**

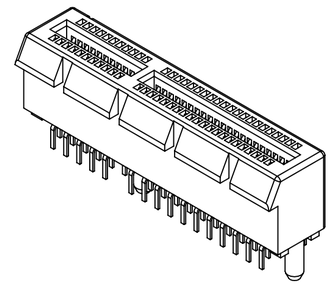
| |
|---|
| 18 |
| 32 |
| 49 |
| 82 |

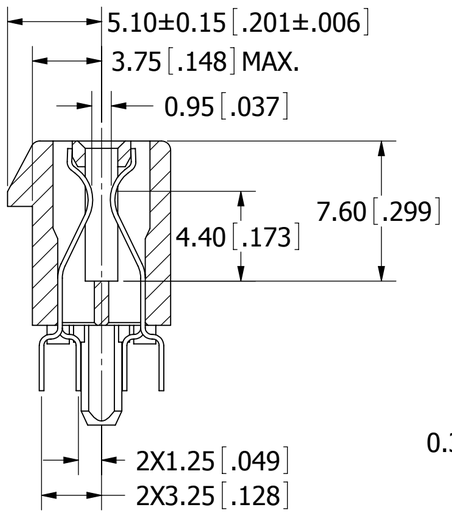
**TAIL LENGTH**

| | |
|---|---|
| 1= 2.30[.091] | } 1.57[.062] PCB |
| 2= 2.54[.100] | |
| 3= 3.10[.122] | 2.36[.093] PCB |

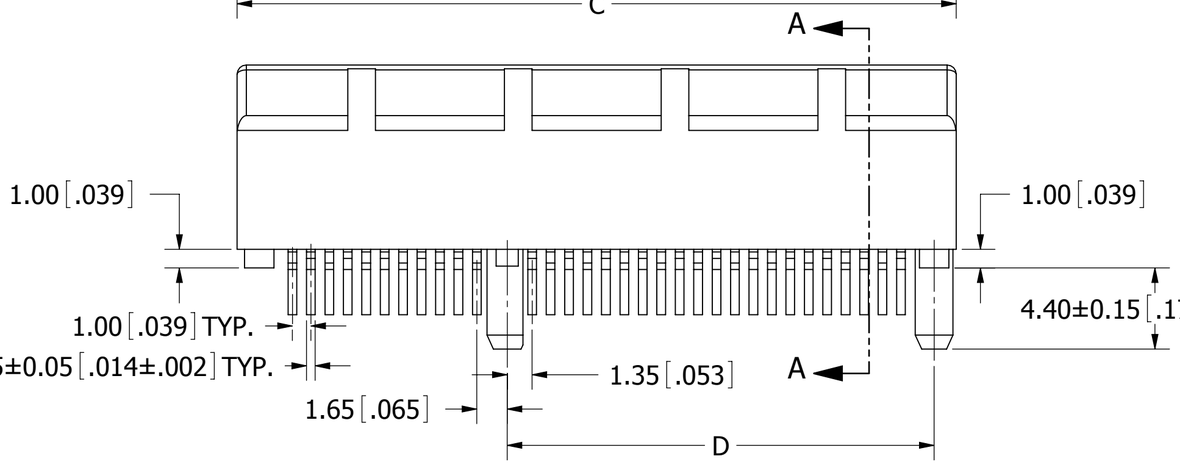
**COLOR**
1= BLACK
2= BLUE
3= GREEN
4= PURPLE

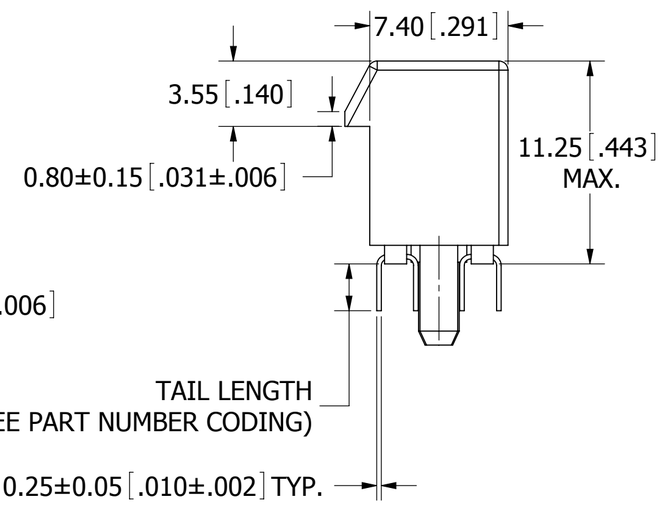


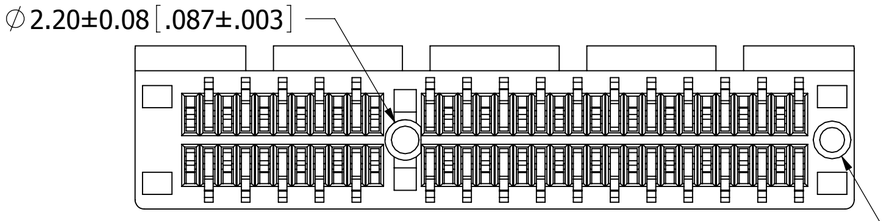






SECTION A-A




NOTES:
1. INSULATOR MATERIAL: NYLON46, UL 94V-0.
2. CONTACT MATERIAL: PHOSPHOR BRONZE.
3. CONTACT PLATING: SEE PART NUMBER CODING.
4. CURRENT RATING: 1.1 AMP.
5. INSULATOR RESISTANCE: 1000 MEGOHMS MIN.
6. CONTACT RESISTANCE: 30 MILLI OHMS MAX.
7. DIELECTRIC WITHSTANDING: 300V AC.
8. INSEERTION FORCE: 117gf (1.15 N) MAX PER CONTACT PAIR USING A 1.70 mm (.067") STEEL CARD.
9. WITHDRAWAL FORCE: 15.3gf (0.15 N) MIN PER CONTACT PAIR USING A 1.44 mm (.057") STEEL CARD.
10. OPERATING TEMPERATURE: -55° C TO +85° C.
11. PROCESSING TEMP.: 260° C FOR 10 SECS MAX.
    (INDICATED TEMPERATURE AND TIME IS FOR COMPONENT INSULATOR. HIGHER PROCESSING TEMPERATURES MAY BE USED, PROVIDED HEAT IS APPLIED FROM BACK SIDE OF PCB, AND INSULATOR DOES NOT EXCEED INDICATED TEMPERATURE AND TIME.)

| PART NUMBER | POSITIONS/ CONTACTS | A ± 0.10 [.004] | | B +0.15/-0.05 [+.006/-.002] | | C ± 0.23 [.009] | | D ± 0.20 [.008] | |
|---|---|---|---|---|---|---|---|---|---|
| | | MM | [INCH] | MM | [INCH] | MM | [INCH] | MM | [INCH] |
| N_E18DHHN-T9_ _ | 18/36 | 6.00 | 0.236 | 7.65 | 0.301 | 25.00 | 0.984 | 9.15 | 0.360 |
| N_E32DHHN-T9_ _ | 32/64 | 20.00 | 0.787 | 21.65 | 0.852 | 39.00 | 1.535 | 23.15 | 0.911 |
| N_E49DHHN-T9_ _ | 49/98 | 37.00 | 1.457 | 38.65 | 1.522 | 56.00 | 2.205 | 40.15 | 1.581 |
| N_E82DHHN-T9_ _ | 82/164 | 70.00 | 2.756 | 71.65 | 2.821 | 89.00 | 3.504 | 73.15 | 2.880 |

Pb
RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MM[INCHES]
TOLERANCES:
ANGULAR: ± 5°
.X=± .30 [.012]
.XX=± .20 [.008]
.XXX=± .10 [.004]
SURFACE FINISH: 63 Ra
REMOVE ALL BURRS AND SHARP EDGES .010 MAX

INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING
PER: ANSI Y14.5M-1994

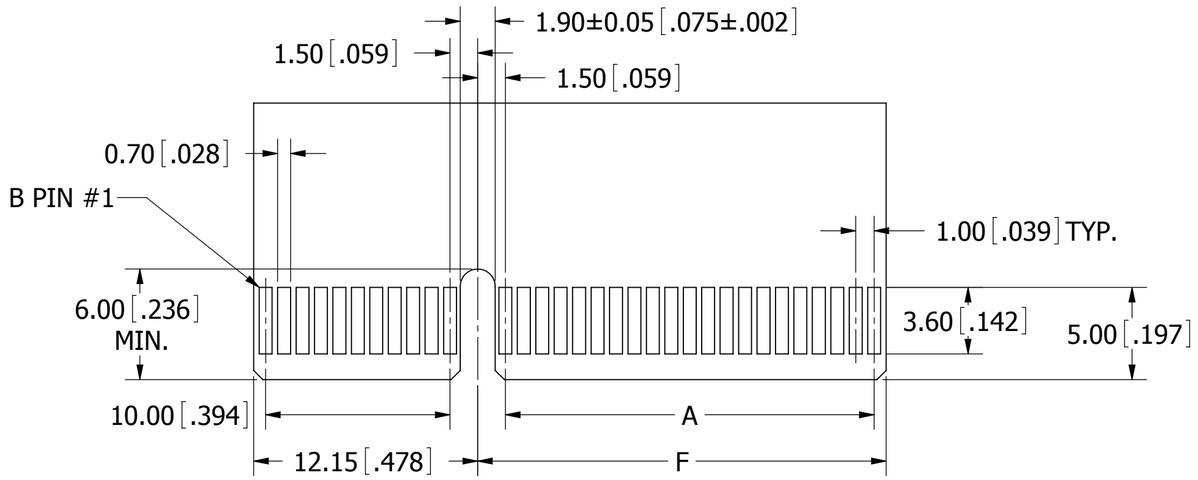
| | DATE | NAME |
|---|---|---|
| DRAWN | 3/09/09 | JH |



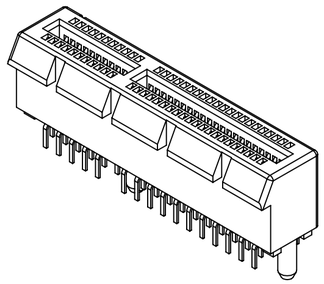
SULLINS CONNECTOR SOLUTIONS

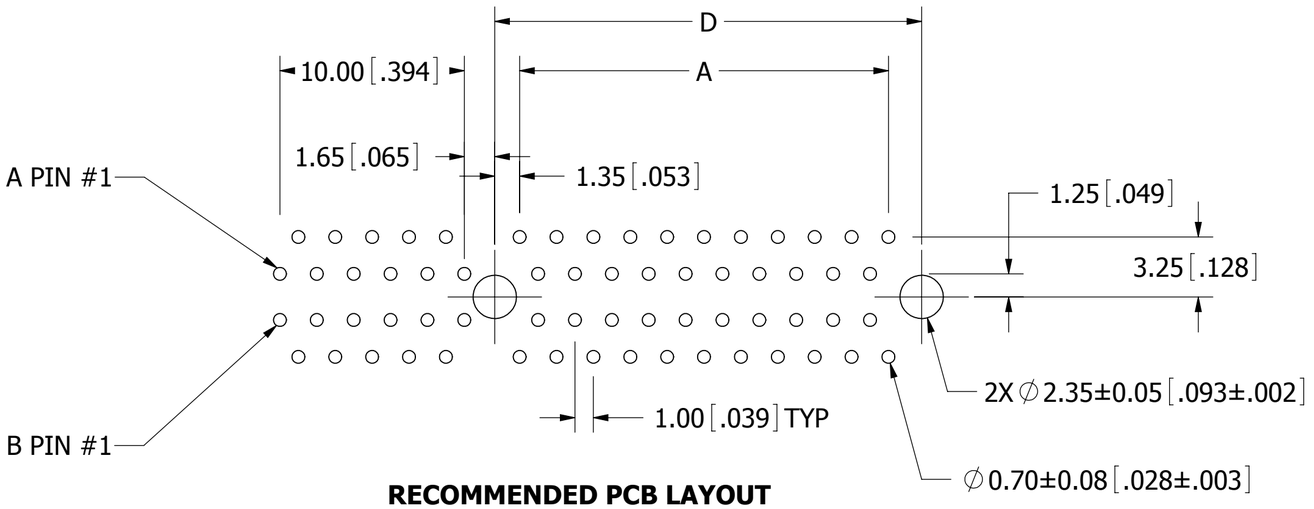
DESCRIPTION: PCI EXPRESS, 1mm CC, DIP SOLDER
PART NUMBER: N_E_ _DHHN-T9_ _

| SIZE | DWG. NO. | REV |
|---|---|---|
| C | 11045 | C |
| SCALE: 5:1 | | SHEET 1 OF 2 |




**ADD-IN CARD EDGE-FINGER DIMENSIONS**
**(TOLERANCE: ±0.05[.002])**






**RECOMMENDED PCB LAYOUT**
**(TOLERANCE: ±0.05[.002])**

| PART NUMBER | POSITIONS/ CONTACTS | A ± 0.10 [.004] | | D ± 0.20 [.008] | | F ± 0.20 [.008] | |
|---|---|---|---|---|---|---|---|
| | | MM | [INCH] | MM | [INCH] | MM | [INCH] |
| N_E18DHHN-T9_ _ | 18/36 | 6.00 | 0.236 | 9.15 | 0.360 | 8.15 | 0.321 |
| N_E32DHHN-T9_ _ | 32/64 | 20.00 | 0.787 | 23.15 | 0.911 | 22.15 | 0.872 |
| N_E49DHHN-T9_ _ | 49/98 | 37.00 | 1.457 | 40.15 | 1.581 | 39.15 | 1.541 |
| N_E82DHHN-T9_ _ | 82/164 | 70.00 | 2.756 | 73.15 | 2.880 | 72.15 | 2.841 |

RoHS COMPLIANT

SULLINS CONNECTOR SOLUTIONS

DESCRIPTION: PCI EXPRESS, 1mm CC, DIP SOLDER

PART NUMBER: N_E_ _DHHN-T9_ _

| SIZE | DWG. NO. | REV |
|---|---|---|
| C | 11045 | C |

SCALE: NTS | SHEET 2 OF 2

FILE NAME: Z:\COMPONENTS\Taiwan\ECO PENDING TAIWAN\1912\11045, N_E_ _DHHN-T9_ _ PRINT: 3/19/2009