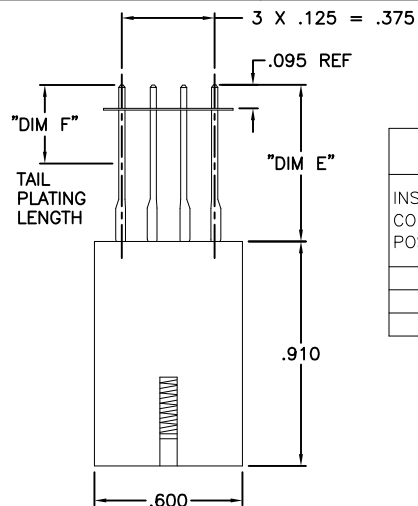
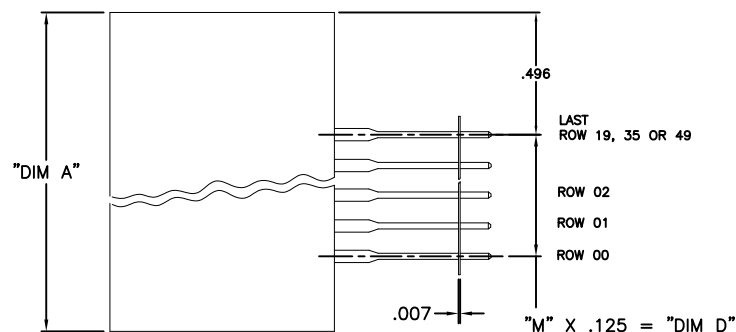
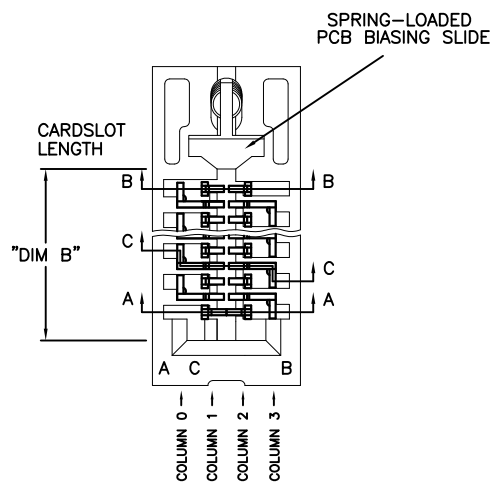


PRODUCT NUMBER  
 SEE TABLE


| TABLE 1                     |                        |                          |                         |                   |                                         |            |            |                    |
|-----------------------------|------------------------|--------------------------|-------------------------|-------------------|-----------------------------------------|------------|------------|--------------------|
| INSULATOR CONTACT POSITIONS | OVERALL LENGTH DIM "A" | CARD SLOT LENGTH DIM "B" |                         | TAIL SPAN DIM "C" | CIRCUIT CARD WIDTH DIM "D" +.000/-0.010 | SPACES "N" | SPACES "M" | FCI INSERTION TOOL |
|                             |                        | MINIMUM (BIAS FREE)      | MAXIMUM (BIAS BOTTOMED) |                   |                                         |            |            |                    |
| 198                         | 6.918                  | 6.325                    | 6.355                   | 6.125             | 6.350                                   | 98         | 49         | 413406-003         |
| 142                         | 5.168                  | 4.575                    | 4.605                   | 4.375             | 4.600                                   | 70         | 35         | 413406-002         |
| 78                          | 3.168                  | 2.575                    | 2.605                   | 2.375             | 2.600                                   | 38         | 19         | 413406-001         |

| TABLE 2             |                                  |                           |
|---------------------|----------------------------------|---------------------------|
| WORKING TAIL LENGTH | DIM E TAIL LENGTH FROM INSULATOR | DIM F TAIL PLATING LENGTH |
| .466                | .633                             | .275 MIN.                 |
| .258                | .425                             | .275 MIN.                 |
| .060                | .230                             | NONE                      |



|             |                |     |            |                    |           |                                       |            |                          |  |
|-------------|----------------|-----|------------|--------------------|-----------|---------------------------------------|------------|--------------------------|--|
| mat'l. code |                |     |            | surface ASME Y14.5 |           | tolerance ASME Y14.5                  | projection | product family FASTECH   |  |
| ltr         | ecn no.        | dr  | date       | angles             | radius    | tolerances unless otherwise specified | INCH       | title                    |  |
| A           | V12862         | CGD | 2002-01-07 |                    |           |                                       |            | 1200 TYPE DOUBLE DENSITY |  |
| B           | V03-0771       | HTB | 2003-07-15 |                    |           |                                       |            | EDGE CARD CONNECTORS     |  |
| C           | V03-1024       | TAB | 2003-09-11 |                    |           |                                       | scale 1:1  | dwg no                   |  |
| D           | V05-0149       | HTB | 2005-03-01 | dr                 | R. CONRAD | 1999-06-17                            |            | sheet 1 of 6             |  |
| E           | V06-0647       | JRV | 2006-07-06 | enfr               | R. CONRAD | 1999-06-17                            |            | size                     |  |
| F           | V09-0537       | HTB | 2009-11-16 | chr                | R. CONRAD | 1999-06-17                            |            | A87KC4034                |  |
|             |                |     |            | appd               | R. CONRAD | 1999-06-17                            |            | type CUSTOMER Drawing    |  |
| sheet index | revision sheet | F   | F          | F                  | F         | F                                     | F          |                          |  |
|             |                | 1   | 2          | 3                  | 4         | 5                                     | 6          |                          |  |



| PRODUCT NUMBER | 1200 TYPE CODE | KS-22766 LIST# | INSULATOR SIZE | TOTAL I/O'S | INNERS | OUTERS  | SHORTING    | TAIL LENGTH | TAIL PLATING | CONTACT PLATING THICKNESS | SHORTING POSITIONS | POSITIONS WITH AU PLATED TAILS (WHEN SnPb TAILS ARE PRESENT) |
|----------------|----------------|----------------|----------------|-------------|--------|---------|-------------|-------------|--------------|---------------------------|--------------------|--------------------------------------------------------------|
| 1200-L1        | A01            | L1             |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L2        | A02            | L2             |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L5        | A03            | L5             |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L6        | A04            | L6             |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L10       | A05            | L10            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L11       | A06            | L11            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L16       | A07            | L16            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L17       | A08            | L17            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L18       | A09            | L18            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L19       | A10            | L19            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L20       | A11            | L20            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L24       | A12            | L24            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L25       | A13            | L25            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L26       | A14            | L26            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L27       | A15            | L27            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L28       | A16            | L28            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L31       | A17            | L31            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L34       | A18            | L34            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L38       | A19            | L38            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L39       | A20            | L39            | 198            | 198         | 94     | 98      | 6           | 0.258       | SnPb         | 75uin                     | 147-149, 247-249   |                                                              |
| 1200-L40       | A21            | L40            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L41       | A22            | L41            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L42       | A23            | L42            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L48       | A24            | L48            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L12       | B01            | L12            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L14       | B02            | L14            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L15       | B03            | L15            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L23       | B04            | L23            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L30       | B05            | L30            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L3        | C01            | L3             | 78             | 78          | 40     | 38      |             | 0.466       | SnPb         | 75uin                     |                    |                                                              |
| 1200-L4        | C02            | L4             |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L7        | C03            | L7             |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L8        | C04            | L8             |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L9        | C05            | L9             | 78             | 78          | 8      | 38      | 32          | 0.466       | Au,SnPb      | 75uin                     | 102-117, 202-217   | 102-117, 202-217                                             |
| 1200-L13       | C06            | L13            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L21       | C07            | L21            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L22       | C08            | L22            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L29       | C09            | L29            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L32       | C10            | L32            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L33       | C11            | L33            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L35       | C12            | L35            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L36       | C13            | L36            | 78             | 78          | 36     | 38      | 4           | 0.258       | SnPb         | 75uin                     | 118, 119, 218, 219 |                                                              |
| 1200-L37       | C14            | L37            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L43       | C15            | L43            | 78             | 78          | 8      | 38      | 32          | 0.258       | SnPb         | 75uin                     | 102-117, 202-217   |                                                              |
| 1200-L44       | C16            | L44            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L45       | C17            | L45            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L46       | C18            | L46            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L47       | C19            | L47            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |
| 1200-L48       | A24            | L48            |                |             | U      | N A V A | I L A B L E |             |              |                           |                    |                                                              |

TABLE 3  
DOUBLE DENSITY EDGE CARD  
INFORMATION CHART

\* 1200-L38 AU PLATED TAILS ARE .466 IN. LONG, ALL OTHER TAILS ARE .258 IN. LONG.

SEE SHEET 5 FOR CONTACT POSITION REFERENCE

|             |        |                |      |                                       |           |                         |  |                |  |                                                 |  |
|-------------|--------|----------------|------|---------------------------------------|-----------|-------------------------|--|----------------|--|-------------------------------------------------|--|
| mat'l. code |        |                |      | surface<br>ASME Y14.5                 |           | tolerance<br>ASME Y14.5 |  | projection<br> |  | product family<br>FASTECH                       |  |
| ltr         | ecr no | dr             | date | tolerances unless otherwise specified |           |                         |  |                |  |                                                 |  |
| F           |        |                |      | angles                                | radius    |                         |  |                |  |                                                 |  |
|             |        |                |      |                                       |           | scale 1:1               |  |                |  |                                                 |  |
|             |        |                |      | dr                                    | R. CONRAD | 1999-06-17              |  |                |  |                                                 |  |
|             |        |                |      | enrg                                  | R. CONRAD | 1999-06-17              |  |                |  |                                                 |  |
|             |        |                |      | chr                                   | R. CONRAD | 1999-06-17              |  |                |  |                                                 |  |
|             |        |                |      | appd                                  | R. CONRAD | 1999-06-17              |  |                |  |                                                 |  |
| sheet index |        | revision sheet |      |                                       |           |                         |  |                |  | dwg no<br>A87KC4034<br>type<br>CUSTOMER Drawing |  |
|             |        |                |      |                                       |           |                         |  |                |  | sheet 2 of 6<br>size<br>A4                      |  |

PRODUCT NUMBER

SEE TABLE

DOUBLE DENSITY EDGE CARD PRODUCT FEATURES

DOUBLE DENSITY EDGE CARD CONNECTORS PROVIDE 50 – 198 I/O'S WITH A CIRCUIT CARD FINGER SPACING OF 1/16" (.0625) CENTERS. CONTACT TAILS ARE AVAILABLE IN 3 LENGTHS WITH GOLD PLATING FOR REAR PLUG UP OR SOLDER PLATING FOR WIRE WRAP. THE CONNECTOR ALSO UTILIZES A SPRING LOADED BIASING FEATURE THAT MAINTAINS PROPER CARD POSITION DURING INSERTION AND WITHDRAWAL OF THE CIRCUIT CARD.

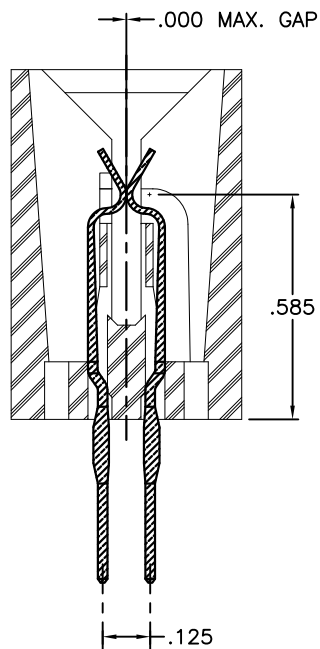
THE CONNECTOR IS TERMINATED TO THE PCB BY INSERTION OF COMPLIANT PRESS-FIT TAILS.

DOUBLE DENSITY EDGE CARD TECHNICAL DATA

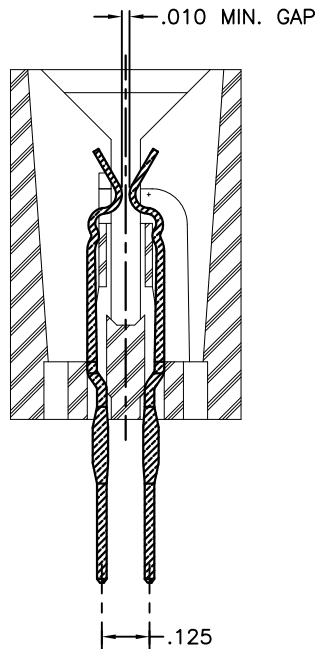
ALL DIMENSIONS ARE IN INCHES.  
 CONNECTOR INSTALLATION FORCE: 30 LBS/CONTACT TYPICAL, 65 LBS MAX.  
 CONNECTOR RETENTION FORCE: 10 LBS/CONTACT MINIMUM  
 CIRCUIT CARD INSERTION FORCE: INNER CONTACTS  
     INNER CONTACTS – .5 LBS/CONTACT TYPICAL  
     OUTER CONTACTS – .8 LBS/CONTACT TYPICAL  
     SHORTING CONTACTS – 1 LB/CONTACT TYPICAL  
 DURABILITY: 200 CYCLES  
 LONG TERM OPERATING TEMPERATURE: -55 TO 70 C.  
 SHORT TERM OPERATING TEMPERATURE: -55 TO 85 C.  
 WITHSTANDING VOLTAGE: 1000 VAC RMS  
 CONTACT AREA PLATING: 75 MICROINCHES HARD GOLD MIN. OVER 100 MICROINCHES MIN NICKEL  
 CONTACT NORMAL FORCE: 100 GRAMS MINIMUM  
 CONTACT RESISTANCE: 9 MILLIOHMS TYPICAL  
 MAX CONTACT CURRENT: 1 AMP/CONTACT  
 INSULATOR MATERIAL: POLYBUTYLENE TEREPHTHALATE (PBT)  
 FLAMMABILITY RATING: UL-94 V0

|             |                |    |      |                                       |           |                         |                                                                                       |                                                                                                     |                                                  |                           |  |
|-------------|----------------|----|------|---------------------------------------|-----------|-------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------|--|
| mat'l. code |                |    |      | surface<br>ASME Y14.5                 |           | tolerance<br>ASME Y14.5 |                                                                                       | projection<br> |                                                  | product family<br>FASTECH |  |
| ltr         | ecr no         | dr | date | tolerances unless otherwise specified |           |                         |                                                                                       |                |                                                  | title                     |  |
| F           |                |    |      | angles                                | to        | from                    | INCH                                                                                  |                                                                                                     | 1200 TYPE DOUBLE DENSITY<br>EDGE CARD CONNECTORS |                           |  |
|             |                |    |      |                                       |           |                         | scale NTS                                                                             |                                                                                                     | dwg no                                           |                           |  |
|             |                |    |      | dr                                    | R. CONRAD | 1999-06-17              |  |                                                                                                     | sheet 3 of 6                                     |                           |  |
|             |                |    |      | enrg                                  | R. CONRAD | 1999-06-17              |                                                                                       |                                                                                                     | A87KC4034                                        |                           |  |
|             |                |    |      | chr                                   | R. CONRAD | 1999-06-17              |                                                                                       |                                                                                                     | type                                             |                           |  |
|             |                |    |      | appd                                  | R. CONRAD | 1999-06-17              |                                                                                       |                                                                                                     | CUSTOMER Drawing                                 |                           |  |
| sheet index | revision sheet |    |      |                                       |           |                         |                                                                                       |                                                                                                     |                                                  |                           |  |

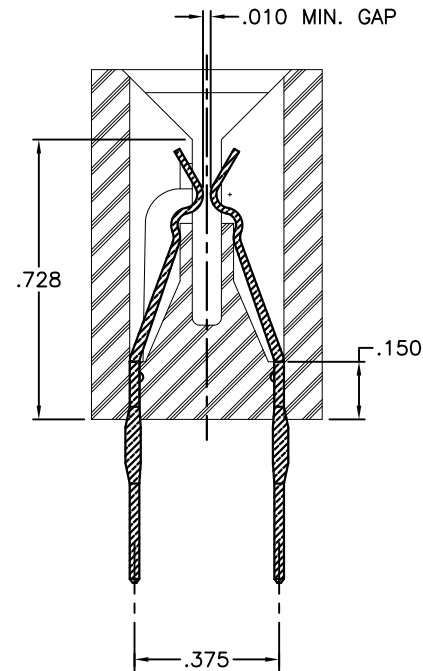
PRODUCT NUMBER  
SEE TABLE



SHORTING CONTACTS  
SECTION A-A



INNER CONTACTS  
SECTION B-B



OUTER CONTACTS  
SECTION C-C

|             |        |                |    |                       |  |                                       |  |                                                                                                     |  |                                                                                               |  |                                                 |  |  |  |  |  |  |  |              |  |      |  |
|-------------|--------|----------------|----|-----------------------|--|---------------------------------------|--|-----------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------|--|-------------------------------------------------|--|--|--|--|--|--|--|--------------|--|------|--|
| mat'l. code |        |                |    | surface<br>ASME Y14.5 |  | tolerance<br>ASME Y14.5               |  | projection<br> |  | product family<br>FASTECH                                                                     |  |                                                 |  |  |  |  |  |  |  |              |  |      |  |
| ltr         | ecn no |                | dr | date                  |  | tolerances unless otherwise specified |  |                                                                                                     |  |                                                                                               |  | title                                           |  |  |  |  |  |  |  |              |  |      |  |
| F           |        |                |    |                       |  | angles                                |  |                |  | INCH<br> |  | 1200 TYPE DOUBLE DENSITY<br>EDGECARD CONNECTORS |  |  |  |  |  |  |  |              |  |      |  |
|             |        |                |    |                       |  |                                       |  |                                                                                                     |  | scale 2:1                                                                                     |  | dwg no                                          |  |  |  |  |  |  |  | sheet 4 of 6 |  | size |  |
|             |        |                |    | dr                    |  | R. CONRAD                             |  | 1999-06-17                                                                                          |  |          |  | A87KC4034                                       |  |  |  |  |  |  |  | A4           |  |      |  |
|             |        |                |    | enrg                  |  | R. CONRAD                             |  | 1999-06-17                                                                                          |  |                                                                                               |  |                                                 |  |  |  |  |  |  |  |              |  |      |  |
|             |        |                |    | chr                   |  | R. CONRAD                             |  | 1999-06-17                                                                                          |  |                                                                                               |  |                                                 |  |  |  |  |  |  |  |              |  |      |  |
|             |        |                |    | appd                  |  | R. CONRAD                             |  | 1999-06-17                                                                                          |  |                                                                                               |  |                                                 |  |  |  |  |  |  |  |              |  |      |  |
| sheet index |        | revision sheet |    |                       |  |                                       |  |                                                                                                     |  |                                                                                               |  |                                                 |  |  |  |  |  |  |  |              |  |      |  |

PRODUCT NUMBER  
 SEE TABLE

 DOUBLE DENSITY EDGE CARD BACKPLANE LAYOUT AND CONTACT PLACEMENT  
 VIEW FROM CIRCUIT CARD SIDE
BIAS  
SLIDE  
END

|     |          |       |       |     |          |          |          |    |          |    |          |    |          |
|-----|----------|-------|-------|-----|----------|----------|----------|----|----------|----|----------|----|----------|
| 49  | 0000     | 49    | •000  | 35  | 0000     | 19       | 0000     | 19 | 0000     | 19 | 0000     | 19 | •000     |
| 48  | 00000    | 48    | •000• | 34  | 00000    | 18       | 00000    | 18 | 00000    | 18 | 00000    | 18 | •000•    |
| 47  | 000000   | 47    | •000• | 33  | 000000   | 17       | 000000   | 17 | 000000   | 17 | 000000   | 17 | •000•    |
| 46  | 000000   | 46    | •000• | 32  | 000000   | 16       | 000000   | 16 | 000000   | 16 | 000000   | 16 | •000•    |
| 45  | 000000   | 45    | •000• | 31  | 000000   | 15       | 000000   | 15 | 000000   | 15 | •000•    | 15 | •000•    |
| 44  | 000000   | 44    | •000• | 30  | 000000   | 14       | 000000   | 14 | 000000   | 14 | ••••     | 14 | •000•    |
| 43  | 000000   | 43    | •000• | 29  | 000000   | 13       | 000000   | 13 | 000000   | 13 | ••••     | 13 | •000•    |
| 42  | 000000   | 42    | •000• | 28  | 000000   | 12       | 000000   | 12 | 000000   | 12 | ••••     | 12 | •000•    |
| 41  | 000000   | 41    | •000• | 27  | 000000   | 11       | 000000   | 11 | ••••     | 11 | ••••     | 11 | •000•    |
| 40  | 000000   | 40    | •000• | 26  | 000000   | 10       | 000000   | 10 | ••••     | 10 | ••••     | 10 | •000•    |
| 39  | 000000   | 39    | •000• | 25  | 000000   | 09       | 000000   | 09 | ••••     | 09 | ••••     | 09 | •000•    |
| 38  | 000000   | 38    | •000• | 24  | 000000   | 08       | 000000   | 08 | ••••     | 08 | 0000•    | 08 | •000•    |
| 37  | 000000   | 37    | •000• | 23  | 000000   | 07       | 000000   | 07 | 000000   | 07 | 000000   | 07 | •000•    |
| 36  | 000000   | 36    | •000• | 22  | 000000   | 06       | 000000   | 06 | 000000   | 06 | 000000   | 06 | •000•    |
| 35  | 000000   | 35    | •000• | 21  | 000000   | 05       | 000000   | 05 | 000000   | 05 | 000000   | 05 | •000•    |
| 34  | 000000   | 34    | •000• | 20  | 000000   | 04       | 000000   | 04 | 000000   | 04 | 000000   | 04 | •000•    |
| 33  | 000000   | 33    | •000• | 19  | 000000   | 03       | 000000   | 03 | 000000   | 03 | 000000   | 03 | •000•    |
| 32  | 000000   | 32    | •000• | 18  | 000000   | 02       | 000000   | 02 | 000000   | 02 | 000000   | 02 | •000•    |
| 31  | 000000   | 31    | •000• | 17  | 000000   | 01       | 000000   | 01 | 000000   | 01 | 000000   | 01 | •000•    |
| 30  | 000000   | 30    | •000• | 16  | 000000   | 00       | 000000   | 00 | 000000   | 00 | 000000   | 00 | •000•    |
| 29  | 000000   | 29    | •000• | 15  | 000000   | 0        | 1 2 3    | 0  | 1 2 3    | 0  | 1 2 3    | 0  | 1 2 3    |
| 28  | 000000   | 28    | •000• | 14  | 000000   |          | COLUMN   |    | COLUMN   |    | COLUMN   |    | COLUMN   |
| 27  | 000000   | 27    | •000• | 13  | 000000   | 78       | CONTACTS | 70 | CONTACTS | 54 | CONTACTS | 52 | CONTACTS |
| 26  | 000000   | 26    | •000• | 12  | 000000   |          |          |    |          |    |          |    |          |
| 25  | 000000   | 25    | •000• | 11  | 000000   |          |          |    |          |    |          |    |          |
| 24  | 000000   | 24    | •000• | 10  | 000000   |          |          |    |          |    |          |    |          |
| 23  | 000000   | 23    | •000• | 09  | 000000   |          |          |    |          |    |          |    |          |
| 22  | 000000   | 22    | •000• | 08  | 000000   |          |          |    |          |    |          |    |          |
| 21  | 000000   | 21    | •000• | 07  | 000000   |          |          |    |          |    |          |    |          |
| 20  | 000000   | 20    | •000• | 06  | 000000   |          |          |    |          |    |          |    |          |
| 19  | 000000   | 19    | •000• | 05  | 000000   |          |          |    |          |    |          |    |          |
| 18  | 000000   | 18    | •000• | 04  | 000000   |          |          |    |          |    |          |    |          |
| 17  | 000000   | 17    | •000• | 03  | 000000   |          |          |    |          |    |          |    |          |
| 16  | 000000   | 16    | •000• | 02  | 000000   |          |          |    |          |    |          |    |          |
| 15  | 000000   | 15    | •000• | 01  | 000000   |          |          |    |          |    |          |    |          |
| 14  | 000000   | 14    | •000• | 00  | 000000   |          |          |    |          |    |          |    |          |
| 13  | 000000   | 13    | •000• |     | 0        | 1 2 3    |          |    |          |    |          |    |          |
| 12  | 000000   | 12    | •000• |     | COLUMN   |          |          |    |          |    |          |    |          |
| 11  | 000000   | 11    | •000• | 142 | CONTACTS |          |          |    |          |    |          |    |          |
| 10  | 000000   | 10    | •000• |     |          |          |          |    |          |    |          |    |          |
| 09  | 000000   | 09    | •000• |     |          |          |          |    |          |    |          |    |          |
| 08  | 000000   | 08    | •000• |     |          |          |          |    |          |    |          |    |          |
| 07  | 000000   | 07    | •000• |     |          |          |          |    |          |    |          |    |          |
| 06  | 000000   | 06    | •000• |     |          |          |          |    |          |    |          |    |          |
| 05  | 000000   | 05    | •000• |     |          |          |          |    |          |    |          |    |          |
| 04  | 000000   | 04    | •000• |     |          |          |          |    |          |    |          |    |          |
| 03  | 000000   | 03    | •000• |     |          |          |          |    |          |    |          |    |          |
| 02  | 000000   | 02    | •000• |     |          |          |          |    |          |    |          |    |          |
| 01  | 000000   | 01    | •000• |     |          |          |          |    |          |    |          |    |          |
| 00  | 000000   | 00    | •000• |     |          |          |          |    |          |    |          |    |          |
|     | 0        | 1 2 3 |       |     | 0        | 1 2 3    |          |    |          |    |          |    |          |
|     | COLUMN   |       |       |     | COLUMN   |          |          |    |          |    |          |    |          |
| 198 | CONTACTS |       |       |     | 100      | CONTACTS |          |    |          |    |          |    |          |

## BACKPLANE LAYOUT NOTES:

RECOMMENDED HOLE SIZE: .039 - .044 PLATED THROUGH HOLE

.0465 DRILL RECOMMENDED

BACKPLANE THICKNESS: .086 MINIMUM

ALL HOLES ARE ON A .125 GRID

CONTACT POSITIONS ARE DENOTED BY A 3 DIGIT NUMBER AS SHOWN IN THE LAYOUTS.

THE FIRST NUMBER IS THE COLUMN NUMBER FOLLOWED BY THE 2 DIGIT ROW NUMBER.  
EXAMPLE: POSITION 019 IS IN COLUMN 0 AND ROW 19.

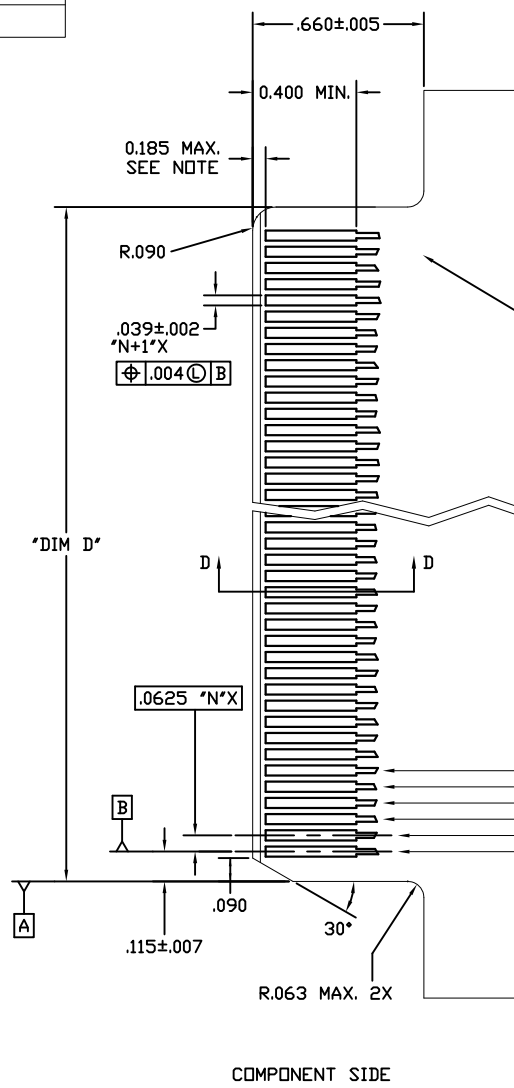
"•" = UNFILLED INSULATOR CONTACT POSITIONS

ALL CONTACT TAILS ARE  
ON A .125" GRID

|             |                |    |      |                                       |           |                         |            |                                                           |  |
|-------------|----------------|----|------|---------------------------------------|-----------|-------------------------|------------|-----------------------------------------------------------|--|
| mat'l. code |                |    |      | surface<br>ASME Y14.5                 |           | tolerance<br>ASME Y14.5 | projection | product family<br>FASTECH                                 |  |
| ltr         | ecr no         | dr | date | tolerances unless otherwise specified |           |                         | INCH       | title<br>1200 TYPE DOUBLE DENSITY<br>EDGE CARD CONNECTORS |  |
| F           |                |    |      | angles                                | fin       |                         |            | dwg no                                                    |  |
|             |                |    |      |                                       |           |                         | scale NTS  | sheet 5 of 6                                              |  |
|             |                |    |      | dr                                    | R. CONRAD | 1999-06-17              | FCI        | size<br>A4                                                |  |
|             |                |    |      | engr                                  | R. CONRAD | 1999-06-17              |            | type<br>CUSTOMER Drawing                                  |  |
|             |                |    |      | chr                                   | R. CONRAD | 1999-06-17              |            |                                                           |  |
|             |                |    |      | appd                                  | R. CONRAD | 1999-06-17              |            |                                                           |  |
| sheet index | revision sheet |    |      |                                       |           |                         |            |                                                           |  |

## 1200 TYPE CONNECTOR RECOMMENDED PRINTED CIRCUIT BOARD LAYOUT

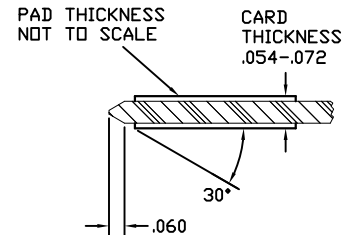
PRODUCT NUMBER  
SEE TABLE



## PRINTED CIRCUIT CARD NOTES:

- 1) ALL DIMENSIONS ARE IN INCHES.
- 2) CIRCUIT CARD FINGER PLATING: 25 MICROINCHES HARD GOLD MINIMUM OVER 200 MICROINCHES NICKEL MINIMUM.
- 3) FINGER MAY EXTEND TO THE FRONT OF THE BOARD. SEQUENCING MAY BE ACHIEVED BY STAGGERING THE FRONT EDGE OF THE FINGER BY .045 MINIMUM (.060 RECOMMENDED).
- 4) FINGER LOCATIONS ARE THE SAME ON EACH SIDE OF THE BOARD.

BIAS SLIDE END OF EDGECARD CONNECTOR



SECTION D-D

|             |  |  |  |                                       |           |            |                                                  |  |
|-------------|--|--|--|---------------------------------------|-----------|------------|--------------------------------------------------|--|
| mat'l. code |  |  |  | surface                               | tolerance | projection | product family                                   |  |
| ltr         |  |  |  | ecm no                                | dr        | date       | FASTECH                                          |  |
| F           |  |  |  | tolerances unless otherwise specified |           |            | title                                            |  |
|             |  |  |  | angles                                | dr        | date       | 1200 TYPE DOUBLE DENSITY<br>EDGE CARD CONNECTORS |  |
|             |  |  |  | angles                                | dr        | date       | scale 1:1                                        |  |
|             |  |  |  | dr                                    | R. CONRAD | 1999-06-17 | dwg no                                           |  |
|             |  |  |  | engr                                  | R. CONRAD | 1999-06-17 | sheet 6 of 6                                     |  |
|             |  |  |  | chr                                   | R. CONRAD | 1999-06-17 | size                                             |  |
|             |  |  |  | appd                                  | R. CONRAD | 1999-06-17 | A4                                               |  |
| sheet index |  |  |  | revision sheet                        |           |            | type                                             |  |
|             |  |  |  |                                       |           |            | CUSTOMER Drawing                                 |  |