

# Female Style 1/2 R High Temperature

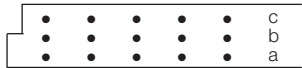
## Series 8577 – 3 rows (3 x 16) Inverted



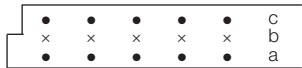
| Contact Design and Termination Length                                                                                                     | Number of Contacts | Loading Description    | Part Number Performance classes according to DIN 41612 |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------|--------------------------------------------------------|---------------------|
|                                                                                                                                           |                    |                        | II                                                     | I                   |
| <br>0.6 x 0.6 mm Post Profile<br>3.0 mm (Y) Right Angled | 48                 | a + b + c fully loaded | 20 8577 048 002 025                                    | 20 8577 048 002 049 |
|                                                                                                                                           | 32                 | a + c fully loaded     | 20 8577 048 002 026                                    | 20 8577 048 002 050 |
|                                                                                                                                           | 16                 | a + c even loading     | 20 8577 048 002 033                                    | 20 8577 048 002 057 |
|                                                                                                                                           | 16                 | a loading only         | 20 8577 048 002 027                                    | 20 8577 048 002 051 |

NB: Alternative Prefix Variations Available: 26, please refer to Page 10.  
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

### LOADING DESCRIPTION



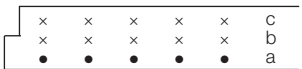
48 contacts, rows a + b + c fully loaded



32 contacts, rows a + c fully loaded

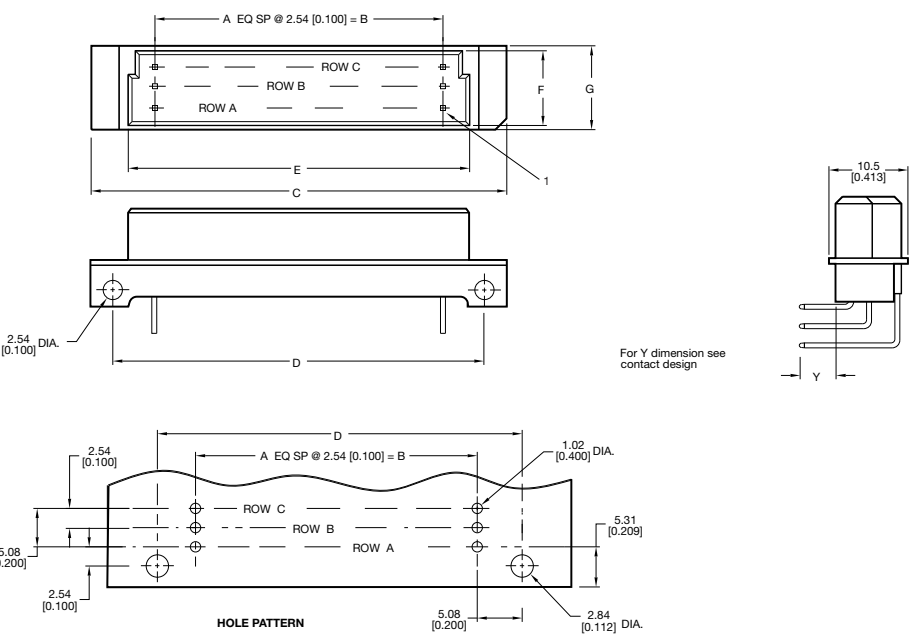


16 contacts, rows a + c even loading



16 contacts, rows a loading only

### DIMENSIONS



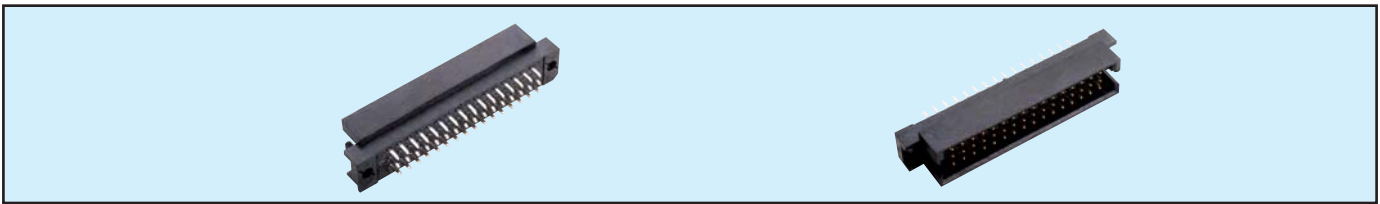
Unit: millimeters (inches)

| No. Contact Positions | Contact Rows | A  | B                | C                | D                | E                | F               | G                |
|-----------------------|--------------|----|------------------|------------------|------------------|------------------|-----------------|------------------|
| 48                    | 3 (3 x 16)   | 15 | 38.10<br>(1.500) | 53.90<br>(2.122) | 48.26<br>(1.900) | 44.30<br>(1.744) | 8.48<br>(0.334) | 10.50<br>(0.413) |

# Male Style 1/2 R High Temperature



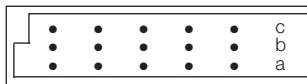
## Series 8577 – 3 rows (3 x 16) Inverted



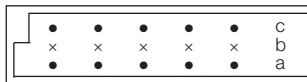
| Contact Design and Termination Length | Number of Contacts | Loading Description | Part Number                                |                     |
|---------------------------------------|--------------------|---------------------|--------------------------------------------|---------------------|
|                                       |                    |                     | Performance classes according to DIN 41612 |                     |
| 2.9 mm (Y)<br>Straight                |                    |                     | II                                         | I                   |
|                                       |                    |                     | 10 8577 048 001 025                        | 10 8577 048 001 049 |
|                                       |                    |                     | 10 8577 048 001 026                        | 10 8577 048 001 050 |
|                                       |                    |                     | 10 8577 048 001 033                        | 10 8577 048 001 057 |
|                                       |                    |                     | 10 8577 048 001 027                        | 10 8577 048 001 051 |
| 4.5 mm (Y)<br>Straight                |                    |                     | 10 8577 048 101 025                        | 10 8577 048 101 049 |
|                                       |                    |                     | 10 8577 048 002 025                        | 10 8577 048 002 049 |
|                                       |                    |                     | 10 8577 048 002 026                        | 10 8577 048 002 050 |
|                                       |                    |                     | 10 8577 048 002 033                        | 10 8577 048 002 057 |
|                                       |                    |                     | 10 8577 048 002 027                        | 10 8577 048 002 051 |
|                                       |                    |                     | 10 8577 048 102 025                        | 10 8577 048 102 049 |

NB: Alternative Prefix Variations Available: 16, please refer to Page 10.  
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

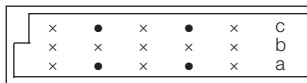
### LOADING DESCRIPTION



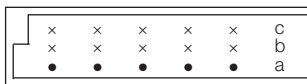
48 contacts, rows a + b + c fully loaded



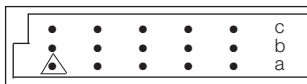
32 contacts, rows a + c fully loaded



16 contacts, rows a + c even loading



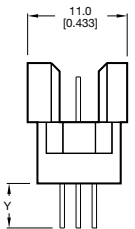
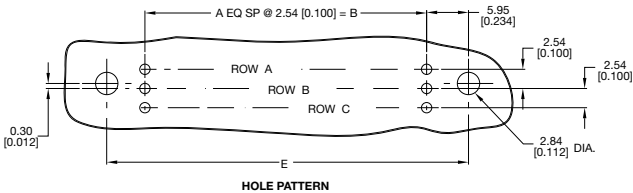
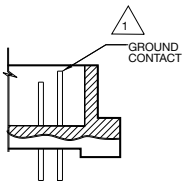
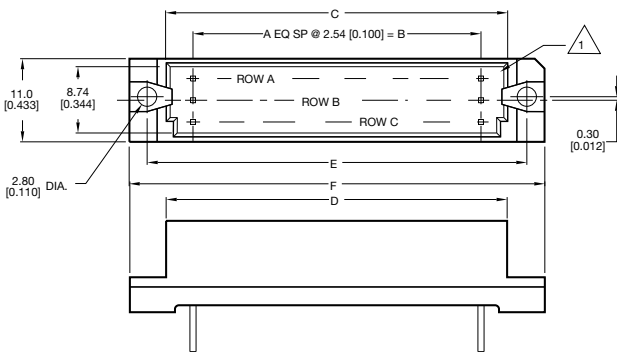
16 contacts, row a loading only



46 + 2 contacts, fully loaded with ground in A1 & A16

△ denotes ground pin

### DIMENSIONS



For Y dimension see contact design

Unit: millimeters (inches)

| No. Contact Positions | Contact Rows | A  | B                | C                | D                | E                | F                |
|-----------------------|--------------|----|------------------|------------------|------------------|------------------|------------------|
| 48                    | 3 (3 x 16)   | 15 | 38.10<br>(1.500) | 44.70<br>(1.760) | 47.29<br>(1.862) | 49.99<br>(1.968) | 54.91<br>(2.162) |

# Female Style R High Temperature



## Series 8577 – 3 rows (3 x 32) Inverted



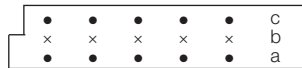
| Contact Design and Termination Length                                                                                                     | Number of Contacts | Loading Description    | Part Number                                |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------|--------------------------------------------|---------------------|
|                                                                                                                                           |                    |                        | Performance classes according to DIN 41612 |                     |
|                                                                                                                                           |                    |                        | II                                         | I                   |
| <br>0.6 x 0.6 mm Post Profile<br>3.0 mm (Y) Right Angled | 96                 | a + b + c fully loaded | 20 8577 096 002 025                        | 20 8577 096 002 049 |
|                                                                                                                                           | 64                 | a + c fully loaded     | 20 8577 096 002 026                        | 20 8577 096 002 050 |
|                                                                                                                                           | 32                 | a + c even loading     | 20 8577 096 002 033                        | 20 8577 096 002 057 |
|                                                                                                                                           | 32                 | a loading only         | 20 8577 096 002 027                        | 20 8577 096 002 051 |

NB: Alternative Prefix Variations Available: 26, please refer to Page 10.  
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

### LOADING DESCRIPTION



96 contacts, rows a + b + c fully loaded



64 contacts, rows a + c fully loaded

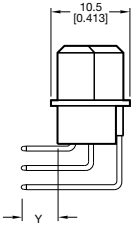
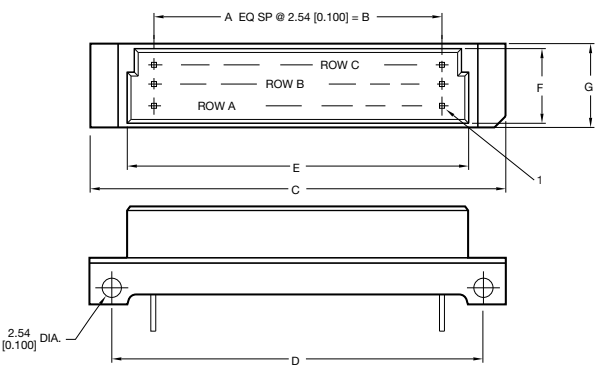


32 contacts, rows a + c even loading

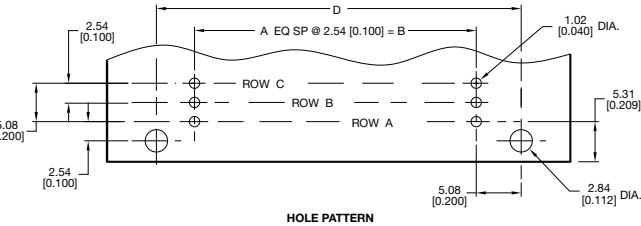


32 contacts, rows a loading only

### DIMENSIONS



For Y dimension see contact design

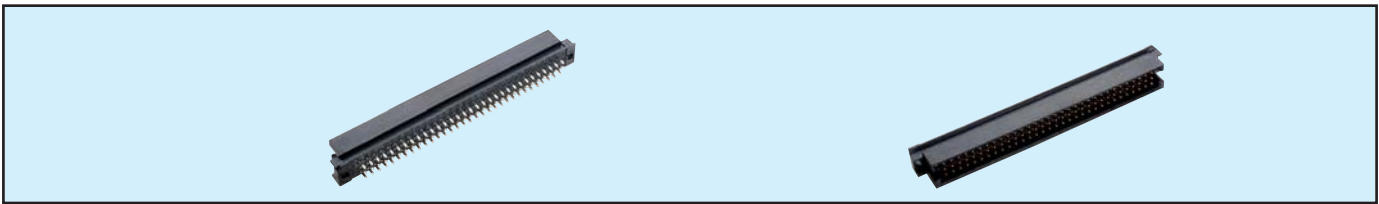


Unit: millimeters (inches)

| No. Contact Positions | Contact Rows | A  | B                | C                | D                | E                | F               | G                |
|-----------------------|--------------|----|------------------|------------------|------------------|------------------|-----------------|------------------|
| 96                    | 3 (3 x 32)   | 31 | 78.74<br>(3.100) | 93.90<br>(3.697) | 88.90<br>(3.500) | 84.90<br>(3.343) | 8.48<br>(0.334) | 10.50<br>(0.413) |

# Male Style R High Temperature

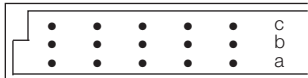
## Series 8577 – 3 rows (3 x 32) Inverted



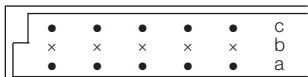
| Contact Design and Termination Length | Number of Contacts | Loading Description    | Part Number                                |                     |
|---------------------------------------|--------------------|------------------------|--------------------------------------------|---------------------|
|                                       |                    |                        | Performance classes according to DIN 41612 |                     |
|                                       |                    |                        | II                                         | I                   |
| 2.9 mm (Y)<br>Straight                | 96                 | a + b + c fully loaded | 10 8577 096 001 025                        | 10 8577 096 001 049 |
|                                       | 64                 | a + c fully loaded     | 10 8577 096 001 026                        | 10 8577 096 001 050 |
|                                       | 32                 | a + c even loading     | 10 8577 096 001 033                        | 10 8577 096 001 057 |
|                                       | 32                 | a loading only         | 10 8577 096 001 027                        | 10 8577 096 001 051 |
|                                       | 46 + 2             | fully loaded + ground  | 10 8577 096 101 025                        | 10 8577 096 101 049 |
| 4.5 mm (Y)<br>Straight                | 48                 | a + b + c fully loaded | 10 8577 096 002 025                        | 10 8577 096 002 049 |
|                                       | 32                 | a + c fully loaded     | 10 8577 096 002 026                        | 10 8577 096 002 050 |
|                                       | 16                 | a + c even loading     | 10 8577 096 002 033                        | 10 8577 096 002 057 |
|                                       | 16                 | a loading only         | 10 8577 096 002 027                        | 10 8577 096 002 051 |
|                                       | 46 + 2             | fully loaded + ground  | 10 8577 096 102 025                        | 10 8577 096 102 049 |

NB: Alternative Prefix Variations Available: 16, please refer to Page 10.  
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

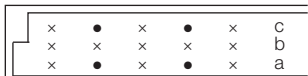
### LOADING DESCRIPTION



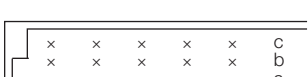
96 contacts, rows a + b + c fully loaded



64 contacts, rows a + c fully loaded



32 contacts, rows a + c even loading



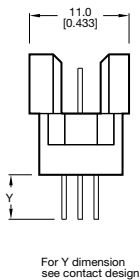
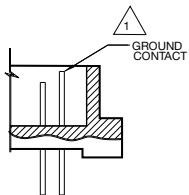
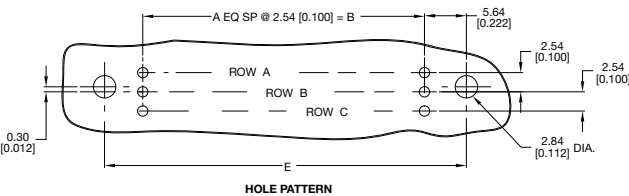
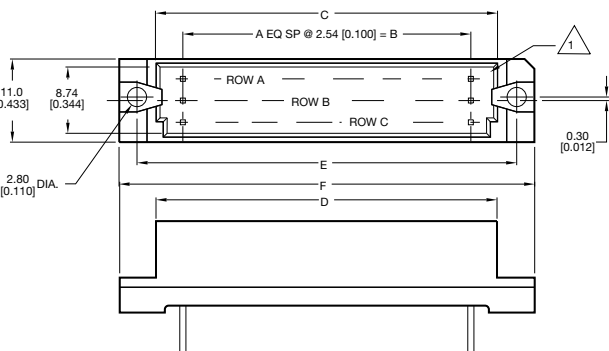
32 contacts, row a loading only



96 + 2 contacts, fully loaded with ground in A1 & A32

△ denotes ground pin

### DIMENSIONS



For Y dimension see contact design

Unit: millimeters (inches)

| No. Contact Positions | Contact Rows | A  | B                | C                | D                | E                | F                |
|-----------------------|--------------|----|------------------|------------------|------------------|------------------|------------------|
| 96                    | 3 (3 x 32)   | 31 | 78.74<br>(3.100) | 85.29<br>(3.358) | 87.91<br>(3.461) | 90.00<br>(3.543) | 94.89<br>(3.736) |

# Female Style R

## Expanded High Temperature

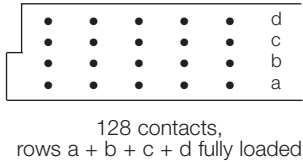
### Series 8577 – 4 rows (4 x 32) Inverted



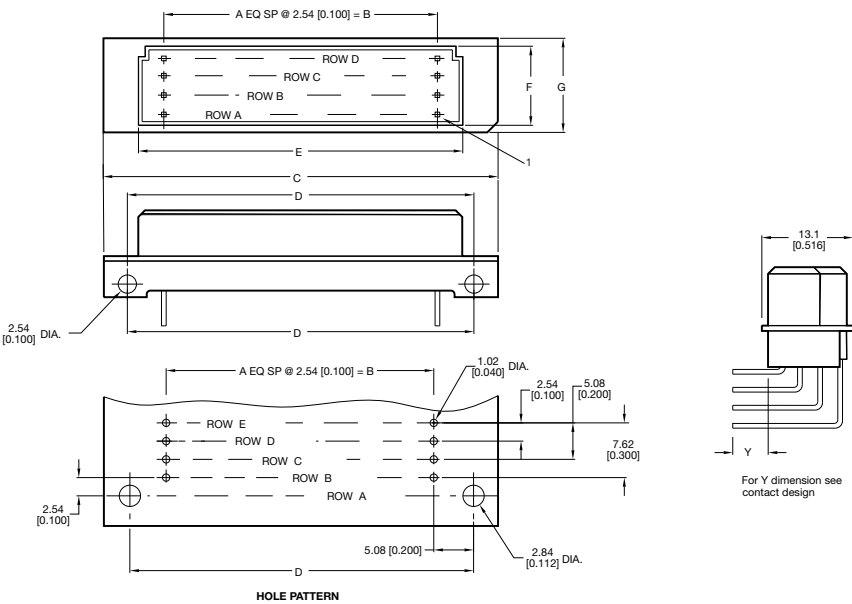
| Contact Design and Termination Length                | Number of Contacts | Loading Description        | Part Number                                |                     |
|------------------------------------------------------|--------------------|----------------------------|--------------------------------------------|---------------------|
|                                                      |                    |                            | Performance classes according to DIN 41612 |                     |
|                                                      |                    |                            | II                                         | I                   |
| 0.6 x 0.6 mm Post Profile<br>3.0 mm (Y) Right Angled | 128                | a + b + c + d fully loaded | 20 8577 128 002 025                        | 20 8577 128 002 049 |

NB: Alternative Prefix Variations Available: 26, please refer to Page 10.  
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

### LOADING DESCRIPTION



### DIMENSIONS



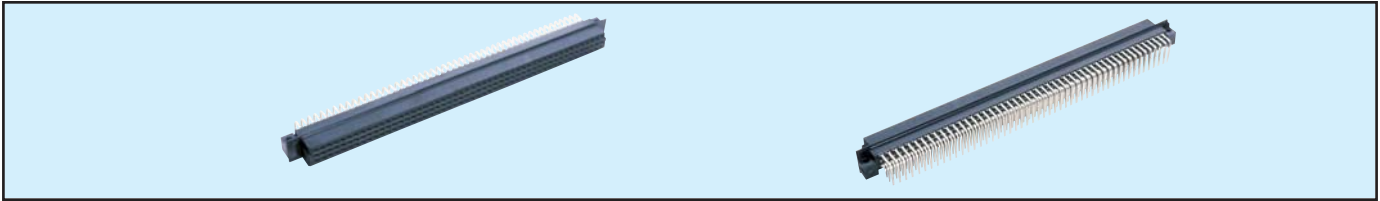
Unit: millimeters (inches)

| No. Contact Positions | Contact Rows | A  | B                | C                | D                | E                | F                | G                |
|-----------------------|--------------|----|------------------|------------------|------------------|------------------|------------------|------------------|
| 128                   | 4 (4 x 32)   | 31 | 78.74<br>(3.100) | 93.90<br>(3.697) | 88.90<br>(3.500) | 84.90<br>(3.343) | 11.10<br>(0.437) | 13.10<br>(0.516) |

# Female Style R

## Expanded High Temperature

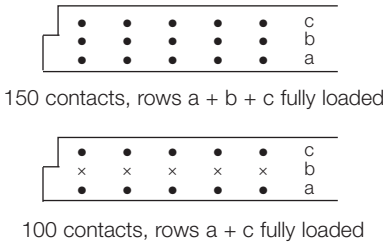
### Series 8577 – 3 rows (3 x 50) Inverted



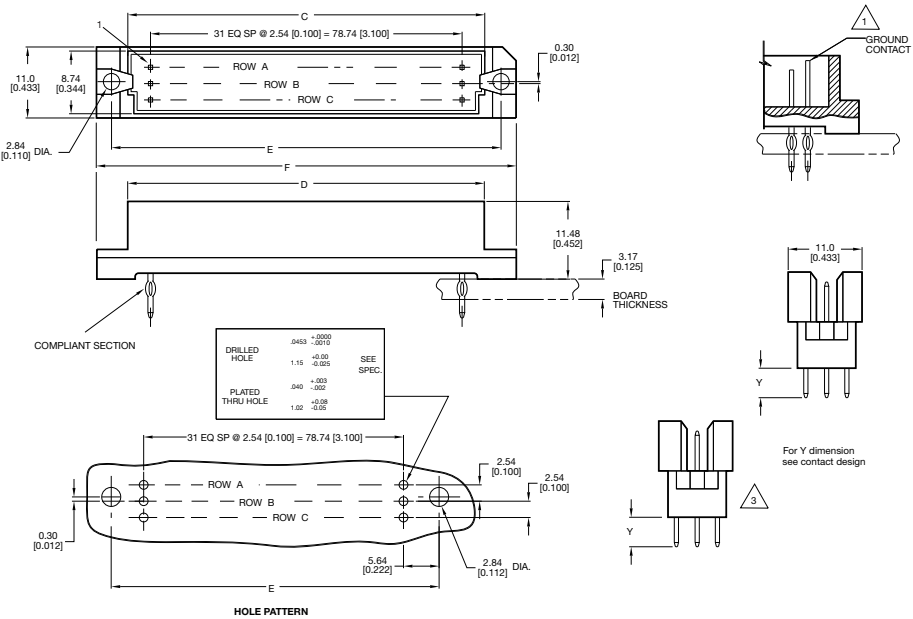
| Contact Design and Termination Length                                                                       | Number of Contacts | Loading Description    | Part Number                                |                     |
|-------------------------------------------------------------------------------------------------------------|--------------------|------------------------|--------------------------------------------|---------------------|
|                                                                                                             |                    |                        | Performance classes according to DIN 41612 |                     |
|                                                                                                             |                    |                        | II                                         | I                   |
| 0.6 x 0.6 mm Post Profile  | 150                | a + b + c fully loaded | 20 8577 150 001 025                        | 20 8577 150 001 049 |
| 2.8 mm (Y) Right Angled                                                                                     | 100                | a + c fully loaded     | 20 8577 150 001 026                        | 20 8577 150 001 050 |

NB: Alternative Prefix Variations Available: 26, please refer to Page 10.  
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

### LOADING DESCRIPTION



### DIMENSIONS



Unit: millimeters (inches)

| No. Contact Positions | Contact Rows | A  | B                 | C                 | D                 | E                 | F                 |
|-----------------------|--------------|----|-------------------|-------------------|-------------------|-------------------|-------------------|
| 150                   | 3 (3 x 50)   | 49 | 125.50<br>(4.941) | 130.90<br>(5.154) | 133.60<br>(5.260) | 135.70<br>(5.343) | 140.60<br>(5.536) |