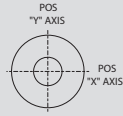


9-5

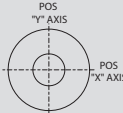
1 #8



| I.D. No. | Location |      | Gauge |
|----------|----------|------|-------|
|          | X        | Y    |       |
| A        | .000     | .000 | 8 GA  |

11-1

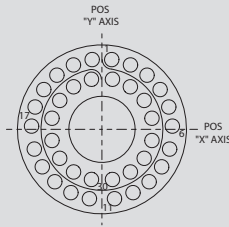
1 #8



| I.D. No. | Location |      | Gauge |
|----------|----------|------|-------|
|          | X        | Y    |       |
| A        | .000     | .000 | 8 GA  |

17-2

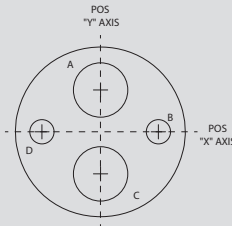
1 #8  
38 #22



| I.D. No. | Location |       | Gauge  | I.D. No. | Location |       | Gauge  |
|----------|----------|-------|--------|----------|----------|-------|--------|
|          | X        | Y     |        |          | X        | Y     |        |
| 1        | .046     | .325  | 22D GA | 21       | -.133    | .299  | 22D GA |
| 2        | .133     | .299  | 22D GA | 22       | -.046    | .325  | 22D GA |
| 3        | .211     | .251  | 22D GA | 23       | .046     | .231  | 22D GA |
| 4        | .272     | .183  | 22D GA | 24       | .129     | .197  | 22D GA |
| 5        | .312     | .101  | 22D GA | 25       | .194     | .133  | 22D GA |
| 6        | .328     | .011  | 22D GA | 26       | .230     | .050  | 22D GA |
| 7        | .318     | -.079 | 22D GA | 27       | .232     | -.040 | 22D GA |
| 8        | .284     | -.164 | 22D GA | 28       | .200     | -.125 | 22D GA |
| 9        | .228     | -.236 | 22D GA | 29       | .137     | -.191 | 22D GA |
| 10       | .154     | -.289 | 22D GA | 30       | .055     | -.229 | 22D GA |
| 11       | .068     | -.321 | 22D GA | 31       | -.055    | -.229 | 22D GA |
| 12       | -.068    | -.321 | 22D GA | 32       | -.137    | -.191 | 22D GA |
| 13       | .154     | -.289 | 22D GA | 33       | -.200    | -.125 | 22D GA |
| 14       | -.228    | -.236 | 22D GA | 34       | -.232    | -.040 | 22D GA |
| 15       | -.284    | -.164 | 22D GA | 35       | -.230    | .050  | 22D GA |
| 16       | -.318    | -.079 | 22D GA | 36       | -.194    | .133  | 22D GA |
| 17       | -.328    | .011  | 22D GA | 37       | -.232    | .197  | 22D GA |
| 18       | -.312    | .101  | 22D GA | 38       | -.046    | .231  | 22D GA |
| 19       | -.272    | .183  | 22D GA | 39       | .000     | .000  | 8 GA   |
| 20       | -.211    | .251  | 22D GA |          |          |       |        |

17-22

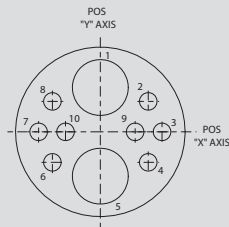
2 #8  
2 #12



| I.D. No. | Location |       | Gauge |
|----------|----------|-------|-------|
|          | X        | Y     |       |
| A        | 0        | .180  | 8 GA  |
| B        | .249     | 0     | 12 GA |
| C        | 0        | -.180 | 8 GA  |
| D        | .249     | 0     | 12 GA |

17-60

2 #8  
8 #22



| I.D. No. | Location |       | Gauge  |
|----------|----------|-------|--------|
|          | X        | Y     |        |
| 1        | .000     | .180  | 8 GA   |
| 2        | .240     | .145  | 22D GA |
| 3        | .297     | .000  | 22D GA |
| 4        | .240     | -.145 | 22D GA |
| 5        | .000     | -.180 | 8 GA   |
| 6        | -.240    | -.145 | 22D GA |
| 7        | -.297    | .000  | 22D GA |
| 8        | -.240    | .145  | 22D GA |
| 9        | .177     | .000  | 22D GA |
| 10       | -.177    | .000  | 22D GA |

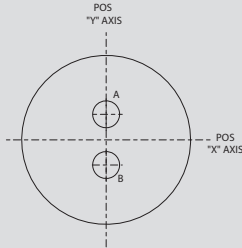
K

# SuperNine®

## High-speed PCB footprints

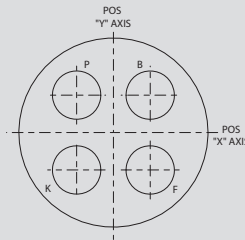


17-75  
2 #8



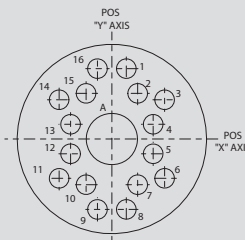
| I.D. No. | Location |       | Gauge |
|----------|----------|-------|-------|
|          | X        | Y     |       |
| A        | .000     | .187  | 8 GA  |
| B        | .000     | -.187 | 8 GA  |

19-4  
4 #8



| I.D. No. | Location |       | Gauge |
|----------|----------|-------|-------|
|          | X        | Y     |       |
| B        | .180     | .180  | 8 GA  |
| F        | .180     | -.180 | 8 GA  |
| K        | -.180    | -.180 | 8 GA  |
| P        | -.180    | .180  | 8 GA  |

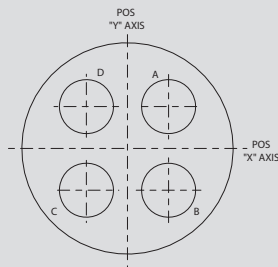
19-17  
1 #8  
16 #20



| I.D. No. | Location |       | Gauge  | I.D. No. | Location |       | Gauge  |
|----------|----------|-------|--------|----------|----------|-------|--------|
|          | X        | Y     |        |          | X        | Y     |        |
| 1        | .046     | .325  | 22D GA | 21       | -.133    | .299  | 22D GA |
| 2        | .133     | .299  | 22D GA | 22       | -.046    | .325  | 22D GA |
| 3        | .211     | .251  | 22D GA | 23       | .046     | .231  | 22D GA |
| 4        | .272     | .183  | 22D GA | 24       | .129     | .197  | 22D GA |
| 5        | .312     | .101  | 22D GA | 25       | .194     | .133  | 22D GA |
| 6        | .328     | .011  | 22D GA | 26       | .230     | .050  | 22D GA |
| 7        | .318     | -.079 | 22D GA | 27       | .232     | -.040 | 22D GA |
| 8        | .284     | -.164 | 22D GA | 28       | .200     | -.125 | 22D GA |
| 9        | .228     | -.236 | 22D GA | 29       | .137     | -.191 | 22D GA |
| 10       | .154     | -.289 | 22D GA | 30       | .055     | -.229 | 22D GA |
| 11       | .068     | -.321 | 22D GA | 31       | -.055    | -.229 | 22D GA |
| 12       | -.068    | -.321 | 22D GA | 32       | -.137    | -.191 | 22D GA |
| 13       | .154     | -.289 | 22D GA | 33       | -.200    | -.125 | 22D GA |
| 14       | -.228    | -.236 | 22D GA | 34       | -.232    | -.040 | 22D GA |
| 15       | -.284    | -.164 | 22D GA | 35       | -.230    | .050  | 22D GA |
| 16       | -.318    | -.079 | 22D GA | 36       | -.194    | .133  | 22D GA |
| 17       | -.328    | .011  | 22D GA | 37       | -.129    | .197  | 22D GA |
| 18       | -.312    | .101  | 22D GA | 38       | -.046    | .231  | 22D GA |
| 19       | -.272    | .183  | 22D GA | 39       | .000     | .000  | 8 GA   |
| 20       | -.211    | .251  | 22D GA |          |          |       |        |

21-75

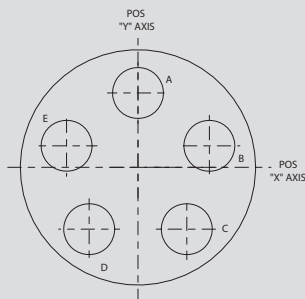
4 #8



| I.D. No. | Location |       | Gauge |
|----------|----------|-------|-------|
|          | X        | Y     |       |
| B        | .180     | .180  | 8 GA  |
| F        | .180     | -.180 | 8 GA  |
| K        | -.180    | -.180 | 8 GA  |
| P        | -.180    | .180  | 8 GA  |

23-5

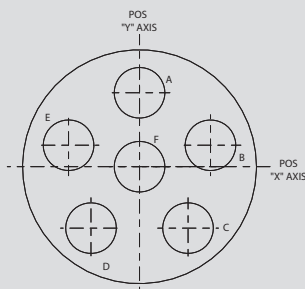
5 #8



| I.D. No. | Location |       | Gauge |
|----------|----------|-------|-------|
|          | X        | Y     |       |
| A        | .000     | .364  | 8 GA  |
| B        | .347     | .113  | 8 GA  |
| C        | .214     | -.295 | 8 GA  |
| D        | -.214    | -.295 | 8 GA  |
| E        | -.347    | .113  | 8 GA  |

23-6

6 #8

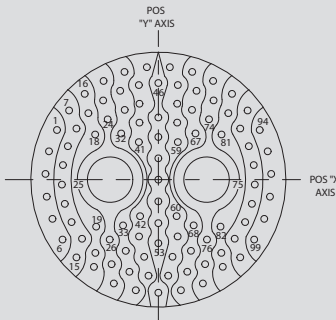


| I.D. No. | Location |       | Gauge |
|----------|----------|-------|-------|
|          | X        | Y     |       |
| A        | .000     | .364  | 8 GA  |
| B        | .347     | .113  | 8 GA  |
| C        | .214     | -.295 | 8 GA  |
| D        | -.214    | -.295 | 8 GA  |
| E        | -.347    | .113  | 8 GA  |
| F        | .000     | .000  | 8 GA  |

**K**

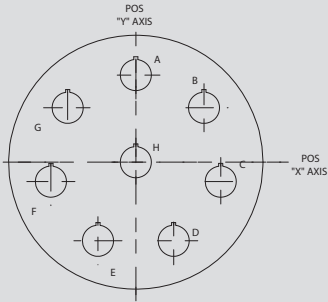
| I.D. No. | Location |       | Gauge  | I.D. No. | Location |       | Gauge  |
|----------|----------|-------|--------|----------|----------|-------|--------|
|          | X        | Y     |        |          | X        | Y     |        |
| 1        | -.494    | .242  | 22D GA | 51       | .000     | -.106 | 22D GA |
| 2        | -.533    | .138  | 22D GA | 52       | .000     | -.212 | 22D GA |
| 3        | -.550    | .028  | 22D GA | 53       | .000     | -.310 | 22D GA |
| 4        | -.544    | -.083 | 22D GA | 54       | .000     | -.551 | 22D GA |
| 5        | -.516    | -.191 | 22D GA | 55       | .056     | .548  | 22D GA |
| 6        | -.467    | -.292 | 22D GA | 56       | .095     | .461  | 22D GA |
| 7        | -.435    | .337  | 22D GA | 57       | .068     | .370  | 22D GA |
| 8        | -.399    | .249  | 22D GA | 58       | .092     | .278  | 22D GA |
| 9        | -.441    | .163  | 22D GA | 59       | .095     | .183  | 22D GA |
| 10       | -.465    | .071  | 22D GA | 60       | .089     | -.178 | 22D GA |
| 11       | -.470    | -.024 | 22D GA | 61       | .094     | -.277 | 22D GA |
| 12       | -.456    | -.118 | 22D GA | 62       | .069     | -.376 | 22D GA |
| 13       | -.423    | -.207 | 22D GA | 63       | .048     | -.468 | 22D GA |
| 14       | -.372    | -.288 | 22D GA | 64       | .165     | .525  | 22D GA |
| 15       | -.399    | -.379 | 22D GA | 65       | .186     | .433  | 22D GA |
| 16       | -.359    | .418  | 22D GA | 66       | .164     | .340  | 22D GA |
| 17       | -.341    | .324  | 22D GA | 67       | .181     | .225  | 22D GA |
| 18       | -.308    | .222  | 22D GA | 68       | .172     | -.223 | 22D GA |
| 19       | -.303    | -.223 | 22D GA | 69       | .159     | -.347 | 22D GA |
| 20       | -.307    | -.357 | 22D GA | 70       | .141     | -.449 | 22D GA |
| 21       | -.314    | -.452 | 22D GA | 71       | .111     | -.539 | 22D GA |
| 22       | -.267    | .481  | 22D GA | 72       | .267     | .481  | 22D GA |
| 23       | -.269    | .386  | 22D GA | 73       | .269     | .386  | 22D GA |
| 24       | -.247    | .294  | 22D GA | 74       | .247     | .294  | 22D GA |
| 25       | -.238    | .000  | 8 GA   | 75       | .238     | .000  | 8 GA   |
| 26       | -.237    | -.292 | 22D GA | 76       | .237     | -.292 | 22D GA |
| 27       | -.228    | -.412 | 22D GA | 77       | .228     | -.412 | 22D GA |
| 28       | -.217    | -.506 | 22D GA | 78       | .217     | -.506 | 22D GA |
| 29       | -.165    | .525  | 22D GA | 79       | .359     | .418  | 22D GA |
| 30       | -.186    | .433  | 22D GA | 80       | .341     | .324  | 22D GA |
| 31       | -.164    | .340  | 22D GA | 81       | .308     | .222  | 22D GA |
| 32       | -.181    | .225  | 22D GA | 82       | .303     | -.223 | 22D GA |
| 33       | -.172    | -.223 | 22D GA | 83       | .307     | -.357 | 22D GA |
| 34       | -.159    | -.347 | 22D GA | 84       | .314     | -.452 | 22D GA |
| 35       | -.141    | -.449 | 22D GA | 85       | .435     | .337  | 22D GA |
| 36       | -.111    | -.539 | 22D GA | 86       | .399     | .249  | 22D GA |
| 37       | -.056    | .548  | 22D GA | 87       | .441     | .163  | 22D GA |
| 38       | -.095    | .461  | 22D GA | 88       | .465     | .071  | 22D GA |
| 39       | -.068    | .370  | 22D GA | 89       | .470     | -.024 | 22D GA |
| 40       | -.092    | .278  | 22D GA | 90       | .456     | -.118 | 22D GA |
| 41       | -.095    | .183  | 22D GA | 91       | .423     | -.207 | 22D GA |
| 42       | -.089    | -.178 | 22D GA | 92       | .372     | -.288 | 22D GA |
| 43       | -.094    | -.277 | 22D GA | 93       | .399     | -.379 | 22D GA |
| 44       | -.069    | -.376 | 22D GA | 94       | .494     | .242  | 22D GA |
| 45       | -.048    | -.468 | 22D GA | 95       | .533     | .138  | 22D GA |
| 46       | .000     | .471  | 22D GA | 96       | .550     | .028  | 22D GA |
| 47       | .000     | .303  | 22D GA | 97       | .544     | -.083 | 22D GA |
| 48       | .000     | .208  | 22D GA | 98       | .516     | -.191 | 22D GA |
| 49       | .000     | .104  | 22D GA | 99       | .467     | -.292 | 22D GA |
| 50       | .000     | .000  | 22D GA |          |          |       |        |

25-7  
2 #8  
97 #22D



25-8

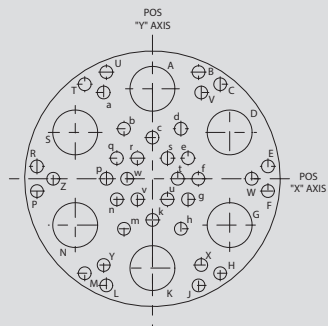
7 #8



| I.D. No. | Location     |              | Gauge |
|----------|--------------|--------------|-------|
|          | X            | Y            |       |
| A        | .000 (.00)   | .426 (1.82)  | 8 GA  |
| B        | .333 (8.46)  | .266 (6.76)  | 8 GA  |
| C        | .415 (1.54)  | -.095 (2.41) | 8 GA  |
| D        | .185 (4.70)  | -.384 (9.75) | 8 GA  |
| E        | -.185 (4.70) | -.384 (9.75) | 8 GA  |
| F        | -.415 (1.54) | -.095 (2.41) | 8 GA  |
| G        | -.333 (8.46) | .266 (6.76)  | 8 GA  |
| H        | .000 (.00)   | .000 (.00)   | 8 GA  |

25-17

6 #8  
36 #22D



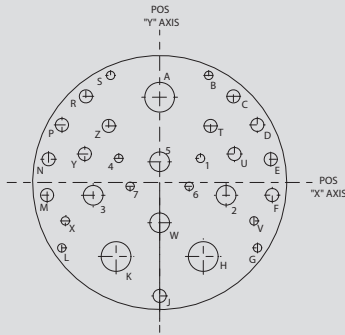
| I.D. No. | Location |       | Gauge | I.D. No. | Location |       | Gauge |
|----------|----------|-------|-------|----------|----------|-------|-------|
|          | X        | Y     |       |          | X        | Y     |       |
| A        | .000     | .437  | 8 GA  | a        | -.237    | .419  | 22 GA |
| B        | .224     | .518  | 22 GA | b        | -.138    | .243  |       |
| C        | .329     | .459  | 8 GA  | c        | .000     | .200  |       |
| D        | .375     | .225  | 22 GA | d        | .138     | .243  |       |
| E        | .561     | .060  | 8 GA  | e        | .173     | .100  |       |
| F        | .561     | -.060 | 22 GA | f        | .223     | .000  |       |
| G        | .375     | -.225 | 8 GA  | g        | .173     | -.100 |       |
| H        | .329     | -.459 | 22 GA | h        | .138     | -.243 |       |
| J        | .224     | -.518 | 8 GA  | k        | .000     | -.200 |       |
| K        | .000     | -.437 | 22 GA | m        | -.138    | -.243 |       |
| L        | -.224    | -.518 | 8 GA  | n        | -.173    | -.100 |       |
| M        | -.329    | -.459 | 22 GA | p        | -.223    | .000  |       |
| N        | -.375    | -.225 | 8 GA  | q        | -.173    | .100  |       |
| P        | -.561    | -.060 | 22 GA | r        | -.073    | .100  |       |
| R        | -.561    | .060  | 8 GA  | s        | .073     | .100  |       |
| S        | -.375    | .225  | 22 GA | t        | .123     | .000  |       |
| T        | -.329    | .459  | 8 GA  | u        | .073     | -.100 |       |
| U        | -.224    | .518  | 22 GA | v        | -.073    | -.100 |       |
| V        | .237     | .419  | 8 GA  | w        | -.123    | .000  |       |
| W        | .482     | .000  | 22 GA |          |          |       |       |
| X        | .237     | -.419 |       |          |          |       |       |
| Y        | -.237    | -.419 |       |          |          |       |       |
| Z        | -.482    | .000  |       |          |          |       |       |

# SuperNine®

## High-speed PCB footprints

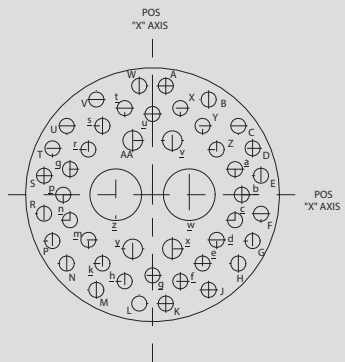


25-20  
3 #8  
4 #12  
3 #16  
10 #20



| I.D. No. | Location |       | Gauge | I.D. No. | Location |       | Gauge |
|----------|----------|-------|-------|----------|----------|-------|-------|
|          | X        | Y     |       |          | X        | Y     |       |
| A        | .000     | .407  | 8 GA  | S        | .234     | .511  | 20 GA |
| B        | .234     | .511  | 20 GA | T        | .243     | .270  | 16 GA |
| C        | .352     | .411  | 16 GA | U        | .357     | .136  | 16 GA |
| D        | .466     | .275  | 16 GA | V        | .450     | -.183 | 20 GA |
| E        | .530     | .111  | 16 GA | W        | .000     | -.131 | 12 GA |
| F        | .537     | -.060 | 16 GA | X        | .450     | -.183 | 20 GA |
| G        | .467     | -.312 | 20 GA | Y        | .357     | .136  | 16 GA |
| H        | .208     | -.353 | 8 GA  | Z        | .243     | .270  | 16 GA |
| J        | .000     | -.541 | 16 GA | 1        | .195     | .115  | 20 GA |
| K        | -.208    | -.353 | 8 GA  | 2        | .317     | -.061 | 12 GA |
| L        | -.467    | -.312 | 20 GA | 3        | -.317    | -.061 | 12 GA |
| M        | -.537    | -.060 | 16 GA | 4        | -.195    | .115  | 20 GA |
| N        | .530     | .111  | 16 GA | 5        | .000     | .099  | 12 GA |
| P        | .466     | .275  | 16 GA | 6        | .141     | -.018 | 20 GA |
| R        | .352     | .411  | 16 GA | 7        | -.141    | -.018 | 20 GA |

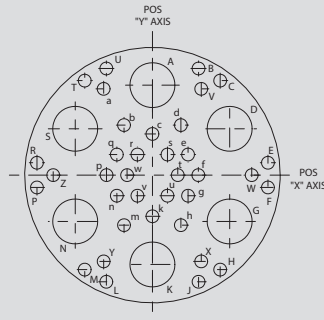
25-90  
&  
25-46  
2 #8  
4 #16  
40 #20



| I.D. No. | Location |       | Gauge | I.D. No. | Location |       | Gauge |
|----------|----------|-------|-------|----------|----------|-------|-------|
|          | X        | Y     |       |          | X        | Y     |       |
| A        | .065     | .533  | 20 GA | a        | .404     | .125  | 20 GA |
| B        | .275     | .466  | 20 GA | b        | .437     | .000  | 20 GA |
| C        | .420     | .337  | 20 GA | c        | .404     | -.125 | 20 GA |
| D        | .490     | .227  | 20 GA | d        | .314     | -.221 | 20 GA |
| E        | .531     | .093  | 20 GA | e        | .245     | -.337 | 20 GA |
| F        | .531     | -.093 | 20 GA | f        | .136     | -.424 | 20 GA |
| G        | .490     | -.227 | 20 GA | g        | .000     | -.395 | 20 GA |
| H        | .420     | -.337 | 20 GA | h        | -.136    | -.424 | 20 GA |
| J        | .275     | -.466 | 20 GA | k        | -.245    | -.337 | 20 GA |
| K        | .065     | -.533 | 20 GA | m        | -.314    | -.221 | 20 GA |
| L        | -.065    | -.533 | 20 GA | n        | -.404    | -.125 | 20 GA |
| M        | -.275    | -.466 | 20 GA | p        | -.437    | .000  | 20 GA |
| N        | -.420    | -.337 | 20 GA | q        | -.404    | .125  | 20 GA |
| P        | -.490    | -.227 | 20 GA | r        | -.314    | .221  | 20 GA |
| R        | -.531    | -.093 | 20 GA | s        | -.245    | .337  | 20 GA |
| S        | -.531    | .093  | 20 GA | t        | -.136    | .424  | 20 GA |
| T        | -.490    | .227  | 20 GA | u        | .000     | .395  | 20 GA |
| U        | -.420    | .337  | 20 GA | v        | .097     | .265  | 16 GA |
| V        | -.275    | .466  | 20 GA | w        | .180     | .000  | 8 GA  |
| W        | -.065    | .533  | 20 GA | x        | .097     | -.265 | 16 GA |
| X        | .136     | .424  | 20 GA | y        | -.097    | -.265 | 16 GA |
| Y        | .245     | .337  | 20 GA | z        | -.180    | .000  | 8 GA  |
| Z        | .314     | .221  | 20 GA | AA       | -.097    | .265  | 16 GA |

25-17

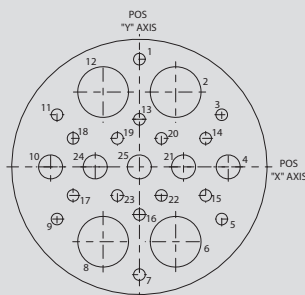
6 #8  
36 #22D



| I.D. No. | Location |       | Gauge | I.D. No. | Location |       | Gauge |
|----------|----------|-------|-------|----------|----------|-------|-------|
|          | X        | Y     |       |          | X        | Y     |       |
| A        | .000     | .437  | 8 GA  | a        | -.237    | .419  | 22 GA |
| B        | .224     | .518  | 22 GA | b        | -.138    | .243  |       |
| C        | .329     | .459  | 8 GA  | c        | .000     | .200  |       |
| D        | .375     | .225  | 22 GA | d        | .138     | .243  |       |
| E        | .561     | .060  | 8 GA  | e        | .173     | .100  |       |
| F        | .561     | -.060 | 22 GA | f        | .223     | .000  |       |
| G        | .375     | -.225 | 8 GA  | g        | .173     | -.100 |       |
| H        | .329     | -.459 | 22 GA | h        | .138     | -.243 |       |
| J        | .224     | -.518 | 8 GA  | k        | .000     | -.200 |       |
| K        | .000     | -.437 | 22 GA | m        | -.138    | -.243 |       |
| L        | -.224    | -.518 | 8 GA  | n        | -.173    | -.100 |       |
| M        | -.329    | -.459 | 22 GA | p        | -.223    | .000  |       |
| N        | -.375    | -.225 | 8 GA  | q        | -.173    | .100  |       |
| P        | -.561    | -.060 | 22 GA | r        | -.073    | .100  |       |
| R        | -.561    | .060  | 8 GA  | s        | .073     | .100  |       |
| S        | -.375    | .225  | 22 GA | t        | .123     | .000  |       |
| T        | -.329    | .459  | 8 GA  | u        | .073     | -.100 |       |
| U        | -.224    | .518  | 22 GA | v        | -.073    | -.100 |       |
| V        | .237     | .419  | 8 GA  | w        | -.123    | .000  |       |
| W        | .482     | .000  | 22 GA |          |          |       |       |
| X        | .237     | -.419 |       |          |          |       |       |
| Y        | -.237    | -.419 |       |          |          |       |       |
| Z        | -.482    | .000  |       |          |          |       |       |

25-26

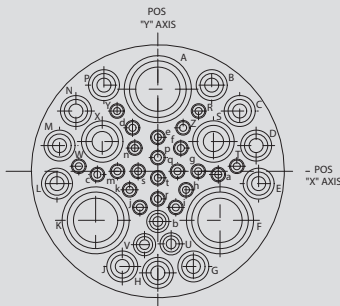
4 #8  
5 #12  
16 #20



| I.D. No. | Location |       | Gauge |
|----------|----------|-------|-------|
|          | X        | Y     |       |
| 1        | .000     | .548  | 20 GA |
| 2        | .205     | .382  | 8 GA  |
| 3        | .460     | .265  | 20 GA |
| 4        | .495     | .000  | 12 GA |
| 5        | .460     | -.265 | 20 GA |
| 6        | .205     | -.382 | 8 GA  |
| 7        | .000     | -.548 | 20 GA |
| 8        | -.205    | -.382 | 8 GA  |
| 9        | -.460    | -.265 | 20 GA |
| 10       | -.495    | .000  | 12 GA |
| 11       | -.460    | .265  | 20 GA |
| 12       | -.205    | .382  | 8 GA  |
| 13       | .000     | .218  | 20 GA |
| 14       | .375     | .147  | 20 GA |
| 15       | .375     | -.147 | 20 GA |
| 16       | .000     | -.218 | 20 GA |
| 17       | .375     | -.147 | 20 GA |
| 18       | .375     | .147  | 20 GA |
| 19       | .127     | .140  | 20 GA |
| 20       | .127     | .140  | 20 GA |
| 21       | .255     | .000  | 12 GA |
| 22       | .127     | -.140 | 20 GA |
| 23       | .127     | -.140 | 20 GA |
| 24       | .255     | .000  | 12 GA |
| 25       | .000     | .000  | 12 GA |



25-41  
 3 #8  
 2 #12  
 11 #16  
 3 #20  
 22 #22D



| I.D. No. | Location |       | Gauge | I.D. No. | Location |       | Gauge |
|----------|----------|-------|-------|----------|----------|-------|-------|
|          | X        | Y     |       |          | X        | Y     |       |
| A        | .000     | .425  | 8     | a        | .313     | -.017 | 22D   |
| B        | .279     | .446  | 16    | b        | .000     | -.260 | 20    |
| C        | .424     | .312  | 16    | c        | -.313    | -.017 | 22D   |
| D        | .509     | .133  | 16    | d        | -.131    | .225  | 22D   |
| E        | .522     | -.064 | 16    | e        | .000     | .176  | 22D   |
| F        | .322     | -.254 | 8     | f        | .119     | .120  | 22D   |
| G        | .184     | -.493 | 16    | g        | .209     | .000  | 22D   |
| H        | .000     | -.526 | 16    | h        | .146     | -.096 | 22D   |
| J        | -.184    | -.493 | 16    | i        | .093     | -.187 | 22D   |
| K        | -.322    | -.254 | 8     | j        | -.093    | -.187 | 22D   |
| L        | -.522    | -.064 | 16    | k        | -.146    | -.096 | 22D   |
| M        | -.509    | .133  | 16    | m        | -.209    | .000  | 22D   |
| N        | -.424    | .312  | 16    | n        | -.119    | .120  | 22D   |
| P        | -.279    | .446  | 16    | p        | .000     | .071  | 22D   |
| R        | .211     | .312  | 22D   | q        | .102     | .000  | 22D   |
| S        | .288     | .154  | 12    | r        | .000     | -.143 | 22D   |
| T        | .409     | .026  | 22D   | s        | -.102    | .000  | 22D   |
| U        | .069     | -.380 | 20    | t        | .000     | -.034 | 22D   |
| V        | -.069    | -.380 | 20    |          |          |       |       |
| W        | -.409    | .026  | 22D   |          |          |       |       |
| X        | -.288    | .154  | 12    |          |          |       |       |
| Y        | -.211    | .312  | 22D   |          |          |       |       |
| Z        | .131     | .225  | 22D   |          |          |       |       |