

| Wire - layer,<br>type and number | Resistance<br>ohms | Wire - layer,<br>type and number | Resistance<br>ohms | Wire - layer,<br>type and number | Resistance<br>ohms | Wire - layer,<br>type and number | Resistance<br>ohms |
|----------------------------------|--------------------|----------------------------------|--------------------|----------------------------------|--------------------|----------------------------------|--------------------|
| <u>sl 1 - guard L-1</u>          | OPEN               | sl 1 - guard U-86                | OPEN               | sl 2 - guard U-37                | OPEN               | sl 3 - guard U-95                | OPEN               |
| sl 1 - field L-2                 | OPEN               | sl 1 - guard U-87                | OPEN               | sl 2 - guard U-38                | OPEN               | sl 3 - guard U-96                | OPEN               |
| sl 1 - guard L-3                 | OPEN               | sl 2 - guard L-88                | OPEN               | sl 2 - guard U-39                | OPEN               | sl 3 - guard U-97                | OPEN               |
| sl 1 - guard L-4                 | OPEN               | sl 2 - guard L-89                | OPEN               | sl 2 - guard U-40                | OPEN               | sl 3 - guard U-98                | OPEN               |
| sl 1 - field L-5                 | OPEN               | sl 2 - guard L-90                | OPEN               | sl 2 - guard U-41                | OPEN               | sl 3 - guard U-99                | OPEN               |
| sl 1 - guard L-6                 | OPEN               | sl 2 - guard L-91                | OPEN               | sl 2 - guard U-42                | 17.10              | sl 3 - guard U-0                 | OPEN               |
| sl 1 - guard L-7                 | OPEN               | sl 2 - guard L-92                | OPEN               | sl 2 - guard U-43                | OPEN               | sl 3 - guard U-1                 | OPEN               |
| sl 1 - field L-8                 | OPEN               | sl 2 - guard L-93                | OPEN               | sl 3 - guard L-44                | OPEN               | sl 3 - guard U-2                 | OPEN               |
| sl 1 - guard L-9                 | OPEN               | sl 2 - guard L-94                | OPEN               | sl 3 - guard L-45                | OPEN               | sl 3 - guard U-3                 | OPEN               |
| sl 1 - guard L-10                | OPEN               | sl 2 - guard L-95                | OPEN               | sl 3 - guard L-46                | OPEN               | sl 3 - guard U-4                 | OPEN               |
| sl 1 - field L-11                | OPEN               | sl 2 - guard L-96                | OPEN               | sl 3 - guard L-47                | OPEN               | sl 3 - guard U-5                 | OPEN               |
| sl 1 - guard L-12                | OPEN               | sl 2 - guard L-97                | OPEN               | sl 3 - guard L-48                | OPEN               | sl 3 - guard U-6                 | OPEN               |
| sl 1 - guard L-13                | OPEN               | sl 2 - guard L-98                | OPEN               | sl 3 - guard L-49                | OPEN               | sl 3 - guard U-7                 | OPEN               |
| sl 1 - field L-14                | OPEN               | sl 2 - guard L-99                | OPEN               | sl 3 - guard L-50                | OPEN               | sl 3 - guard U-8                 | OPEN               |
| sl 1 - guard L-15                | OPEN               | sl 2 - guard L-0                 | OPEN               | sl 3 - guard L-51                | OPEN               | sl 3 - guard U-9                 | OPEN               |
| sl 1 - guard L-16                | OPEN               | sl 2 - guard L-1                 | OPEN               | sl 3 - guard L-52                | OPEN               | sl 3 - guard U-10                | OPEN               |
| sl 1 - field L-17                | OPEN               | sl 2 - guard L-2                 | OPEN               | sl 3 - guard L-53                | OPEN               | sl 3 - guard U-11                | OPEN               |
| sl 1 - guard L-18                | OPEN               | sl 2 - guard L-3                 | OPEN               | sl 3 - guard L-54                | OPEN               | sl 3 - guard U-12                | OPEN               |
| sl 1 - guard L-19                | OPEN               | sl 2 - guard L-4                 | OPEN               | sl 3 - guard L-55                | OPEN               | sl 3 - guard U-13                | OPEN               |
| sl 1 - field L-20                | OPEN               | sl 2 - guard L-5                 | OPEN               | sl 3 - guard L-56                | OPEN               | sl 3 - guard U-14                | OPEN               |
| sl 1 - guard L-21                | OPEN               | sl 2 - guard L-6                 | OPEN               | sl 3 - guard L-57                | OPEN               | sl 3 - guard U-15                | 13.30              |
| sl 1 - guard L-22                | OPEN               | sl 2 - guard L-7                 | OPEN               | sl 3 - guard L-58                | OPEN               | sl 4 - guard L-16                | OPEN               |
| sl 1 - field L-23                | OPEN               | sl 2 - guard L-8                 | OPEN               | sl 3 - guard L-59                | OPEN               | sl 4 - guard L-17                | OPEN               |
| sl 1 - guard L-24                | OPEN               | sl 2 - guard L-9                 | OPEN               | sl 3 - guard L-60                | OPEN               | sl 4 - guard L-18                | OPEN               |
| sl 1 - guard L-25                | OPEN               | sl 2 - guard L-10                | OPEN               | sl 3 - guard L-61                | OPEN               | sl 4 - guard L-19                | OPEN               |
| sl 1 - field L-26                | OPEN               | sl 2 - guard L-11                | OPEN               | sl 3 - guard L-62                | OPEN               | sl 4 - guard L-20                | OPEN               |
| sl 1 - guard L-27                | OPEN               | sl 2 - guard L-12                | OPEN               | sl 3 - guard L-63                | OPEN               | sl 4 - guard L-21                | OPEN               |
| sl 1 - guard L-28                | OPEN               | sl 2 - guard L-13                | OPEN               | sl 3 - guard L-64                | OPEN               | sl 4 - guard L-22                | OPEN               |
| sl 1 - field L-29                | OPEN               | sl 2 - guard L-14                | OPEN               | sl 3 - guard L-65                | OPEN               | sl 4 - guard L-23                | OPEN               |
| sl 1 - guard L-30                | OPEN               | sl 2 - guard L-15                | OPEN               | sl 3 - guard L-66                | OPEN               | sl 4 - guard L-24                | OPEN               |
| sl 1 - guard L-31                | OPEN               | sl 2 - guard L-16                | OPEN               | sl 3 - guard L-67                | OPEN               | sl 4 - guard L-25                | OPEN               |
| sl 1 - field L-32                | OPEN               | sl 2 - guard L-17                | OPEN               | sl 3 - guard L-68                | OPEN               | sl 4 - guard L-26                | OPEN               |
| sl 1 - guard L-33                | OPEN               | sl 2 - guard L-18                | OPEN               | sl 3 - guard L-69                | OPEN               | sl 4 - guard L-27                | OPEN               |
| sl 1 - guard U-68                | OPEN               | sl 2 - guard L-19                | OPEN               | sl 3 - guard L-70                | OPEN               | sl 4 - guard L-28                | OPEN               |
| sl 1 - guard U-69                | OPEN               | sl 2 - guard U-20                | OPEN               | sl 3 - guard L-71                | OPEN               | sl 4 - guard L-29                | OPEN               |
| sl 1 - guard U-70                | OPEN               | sl 2 - guard U-21                | OPEN               | sl 3 - guard L-72                | OPEN               | sl 4 - guard L-30                | OPEN               |
| sl 1 - guard U-71                | OPEN               | sl 2 - guard U-22                | OPEN               | sl 3 - guard L-73                | OPEN               | sl 4 - guard L-31                | OPEN               |
| sl 1 - guard U-72                | OPEN               | sl 2 - guard U-23                | OPEN               | sl 3 - guard L-74                | OPEN               | sl 4 - guard L-32                | OPEN               |
| sl 1 - guard U-73                | OPEN               | sl 2 - guard U-24                | OPEN               | sl 3 - guard L-75                | OPEN               | sl 4 - guard L-33                | OPEN               |
| sl 1 - guard U-74                | OPEN               | sl 2 - guard U-25                | OPEN               | sl 3 - guard L-76                | OPEN               | sl 4 - guard L-34                | OPEN               |
| sl 1 - guard U-75                | OPEN               | sl 2 - guard U-26                | OPEN               | sl 3 - guard L-77                | OPEN               | sl 4 - guard L-35                | OPEN               |
| sl 1 - guard U-76                | OPEN               | sl 2 - guard U-27                | OPEN               | sl 3 - guard U-85                | OPEN               | sl 4 - guard L-36                | OPEN               |
| sl 1 - guard U-77                | OPEN               | sl 2 - guard U-28                | OPEN               | sl 3 - guard U-86                | OPEN               | sl 4 - guard L-37                | OPEN               |
| sl 1 - guard U-78                | OPEN               | sl 2 - guard U-29                | OPEN               | sl 3 - guard U-87                | OPEN               | sl 4 - guard U-72                | OPEN               |
| sl 1 - guard U-79                | OPEN               | sl 2 - guard U-30                | OPEN               | sl 3 - guard U-88                | OPEN               | sl 4 - guard U-73                | OPEN               |
| sl 1 - guard U-80                | OPEN               | sl 2 - guard U-31                | OPEN               | sl 3 - guard U-89                | OPEN               | sl 4 - guard U-74                | OPEN               |
| sl 1 - guard U-81                | OPEN               | sl 2 - guard U-32                | OPEN               | sl 3 - guard U-90                | OPEN               | sl 4 - guard U-75                | OPEN               |
| sl 1 - guard U-82                | OPEN               | sl 2 - guard U-33                | OPEN               | sl 3 - guard U-91                | OPEN               | sl 4 - guard U-76                | OPEN               |
| sl 1 - guard U-83                | OPEN               | sl 2 - guard U-34                | OPEN               | sl 3 - guard U-92                | OPEN               | sl 4 - guard U-77                | OPEN               |
| sl 1 - guard U-84                | OPEN               | sl 2 - guard U-35                | OPEN               | sl 3 - guard U-93                | OPEN               | sl 4 - guard U-78                | OPEN               |
| sl 1 - guard U-85                | OPEN               | sl 2 - guard U-36                | OPEN               | sl 3 - guard U-94                | OPEN               | sl 4 - guard U-79                | OPEN               |

| Wire - layer,<br>type and number | Resistance<br>ohms |
|----------------------------------|--------------------|
| sl 4 - guard U-80                | OPEN               |
| sl 4 - guard U-81                | OPEN               |
| sl 4 - guard U-82                | OPEN               |
| sl 4 - guard U-83                | OPEN               |
| sl 4 - guard U-84                | OPEN               |
| sl 4 - guard U-85                | OPEN               |
| sl 4 - guard U-86                | OPEN               |
| sl 4 - guard U-87                | OPEN               |
| sl 4 - guard U-88                | OPEN               |
| sl 4 - guard U-89                | OPEN               |
| sl 4 - guard U-90                | OPEN               |
| sl 4 - guard U-91                | OPEN               |
| outer layer guard 92             |                    |
| outer layer field 93             |                    |
| outer layer guard 94             |                    |
| outer layer guard 95             |                    |
| outer layer field 96             |                    |
| outer layer guard 97             |                    |
| outer layer guard 98             |                    |
| outer layer field 99             |                    |
| outer layer guard 0              |                    |
| outer layer guard 1              |                    |
| outer layer field 2              |                    |
| outer layer guard 3              |                    |
| outer layer guard 4              |                    |
| outer layer field 5              |                    |
| outer layer guard 6              |                    |
| outer layer guard 7              |                    |
| outer layer field 8              |                    |
| outer layer guard 9              |                    |
| outer layer guard 10             |                    |
| outer layer field 11             |                    |
| outer layer guard 12             |                    |
| outer layer guard 13             |                    |
| outer layer field 14             |                    |
| outer layer guard 15             |                    |
| outer layer guard 16             |                    |
| outer layer field 17             |                    |
| outer layer guard 18             |                    |
| outer layer guard 19             |                    |
| outer layer field 20             |                    |
| outer layer guard 21             |                    |
| outer layer guard 22             |                    |
| outer layer field 23             |                    |
| outer layer guard 24             |                    |
| outer layer guard 25             |                    |
| outer layer guard 26             |                    |
| outer layer guard 27             |                    |
| outer layer guard 28             |                    |
| outer layer field 29             |                    |
| outer layer guard 30             |                    |