

#### Commercial Receptacle Assemblies

**Housing Material** — In accordance with MIL-C-55302

**Contact Material and Finish** — Beryllium copper per MIL-C-55302

Channel Contact, Posted Contact and Card Extender Contact — Plated .000030 [0.00076] gold in contact area, .000100 [0.00254] tin-lead on the tails over .000030 [0.00076] nickel on the entire contact.

**Solder Eyelet Contact** — Plated .000030 [0.00076] gold in contact area, .000100 [0.00254] tin-lead on tails over .000030 [0.00076] nickel on the entire contact.

| No. of Pos. | Dimensions      |                 |                 | .014 x .019 [0.36 x 0.48] Channel Contacts<br>AMP Part No. | .010 x .020 [0.25 x 0.51] Posted Contacts<br>AMP Part No. | Solder Eyelet Contacts<br>AMP Part No. | Card Extender Contacts<br>AMP Part No. |
|-------------|-----------------|-----------------|-----------------|--|---|--|--|
|             | A               | B               | C               |  |   |  |  |
| 140         | 7.855<br>199.52 | 7.565<br>192.15 | 6.900<br>175.26 | 1-531832-3   | —*  | —*                                     | —*                                     |
| 134         | 7.555<br>191.90 | 7.265<br>184.53 | 6.600<br>167.64 | —*   | —*  | 1-531833-2                             | —*                                     |
| 130         | 7.355<br>186.82 | 7.065<br>179.45 | 6.400<br>162.56 | —*   | —*  | —*                                     | —*                                     |
| 120         | 6.855<br>174.12 | 6.565<br>166.75 | 5.900<br>149.86 | —*   | —*  | —*                                     | —*                                     |
| 110         | 6.355<br>161.42 | 6.065<br>154.05 | 5.400<br>137.16 | 531832-9   | —*  | —*                                     | 531835-9                               |
| 100         | 5.855<br>148.72 | 5.565<br>141.35 | 4.900<br>124.46 | 531832-8   | —*  | —*                                     | —*                                     |
| 90          | 5.355<br>136.02 | 5.065<br>128.65 | 4.400<br>111.76 | —*   | —*  | —*                                     | —*                                     |
| 80          | 4.855<br>123.32 | 4.565<br>115.95 | 3.900<br>99.06  | —*   | 531834-6  | —*                                     | —*                                     |
| 70          | 4.355<br>110.62 | 4.065<br>103.25 | 3.400<br>83.36  | —*   | —*  | —*                                     | —*                                     |
| 60          | 3.855<br>97.92  | 3.565<br>90.55  | 2.900<br>73.66  | —*   | —*  | 531833-4                               | —*                                     |
| 50          | 3.355<br>85.22  | 3.065<br>77.85  | 2.400<br>60.96  | —*   | —*  | —*                                     | 531835-3                               |
| 40          | 2.855<br>72.52  | 2.565<br>65.15  | 1.900<br>48.26  | —*   | —*  | —*                                     | —*                                     |
| 30          | 2.355<br>59.82  | 2.065<br>52.45  | 1.400<br>35.56  | —*   | —*  | —*                                     | —*                                     |

\* Part Numbers available upon request, contact Tyco Electronics.

#### Military Receptacle Assemblies

**Housing Material** — In accordance with MIL-C-55302

**Contact Material and Finish** — Beryllium copper per MIL-C-55302

Channel Contact, Posted Contact and Card Extender Contact — Plated .000050 [0.00127] gold in contact area, .000100 [0.00254] tin-lead on the tails over .000030 [0.00076] nickel on the entire contact.

**Solder Eyelet Contact** — Plated .000050 [0.00127] gold in contact area, in accordance with MIL-C-55302 .000100 [0.00254] tin-lead on tails over .000050 [0.00127] nickel on the entire contact.

| No. of Pos. | Dimensions      |                 |                 | .014 x .019 [0.36 x 0.48] Channel Contacts |              | Solder Eyelet Contacts |              | .010 x .020 [0.25 x 0.51] Posted Contacts |              | Card Extender Contacts |              |
|-------------|-----------------|-----------------|-----------------|--|--------------|------------------------|--------------|---|--------------|------------------------|--------------|
|             | A               | B               | C               | MIL-Part No. M55302/                       | AMP Part No. | MIL-Part No. M55302/   | AMP Part No. | MIL-Part No. M55302/                      | AMP Part No. | MIL-Part No. M55302/   | AMP Part No. |
| 140         | 7.855<br>199.52 | 7.565<br>192.15 | 6.900<br>175.26 | 27-193                                     | 2-530340-2   | 27-197                 | 1-530758-3   | 27-201                                    | 1-530776-3   | 27-229                 | 1-530782-3   |
| 134         | 7.555<br>191.90 | 7.265<br>184.53 | 6.600<br>167.64 | 27-192                                     | 2-530340-1   | 27-196                 | 1-530758-2   | 27-200                                    | 1-530776-2   | 27-228                 | 1-530782-2   |
| 130         | 7.355<br>186.82 | 7.065<br>179.45 | 6.400<br>162.56 | 27-191                                     | 2-530340-0   | 27-195                 | 1-530758-1   | 27-199                                    | 1-530776-1   | 27-227                 | 1-530782-1   |
| 120         | 6.855<br>174.12 | 6.565<br>166.75 | 5.900<br>149.86 | 27-190                                     | 1-530340-9   | 27-194                 | 1-530758-0   | 27-198                                    | 1-530776-0   | 27-226                 | 1-530782-0   |
| 110         | 6.355<br>161.42 | 6.065<br>154.05 | 5.400<br>137.16 | 27-99                                      | 530340-9     | 27-108                 | 530758-9     | 27-117                                    | 530776-9     | 27-180                 | 530782-9     |
| 100         | 5.855<br>148.72 | 5.565<br>141.35 | 4.900<br>124.46 | 27-98                                      | 530340-8     | 27-107                 | 530758-8     | 27-116                                    | 530776-8     | 27-179                 | 530782-8     |
| 90          | 5.355<br>136.02 | 5.065<br>128.65 | 4.400<br>111.76 | 27-97                                      | 530340-7     | 27-106                 | 530758-7     | 27-115                                    | 530776-7     | 27-178                 | 530782-7     |
| 80          | 4.855<br>123.32 | 4.565<br>115.95 | 3.900<br>99.06  | 27-96                                      | 530340-6     | 27-105                 | 530758-6     | 27-114                                    | 530776-6     | 27-177                 | 530782-6     |
| 70          | 4.355<br>110.62 | 4.065<br>103.25 | 3.400<br>83.36  | 27-95                                      | 530340-5     | 27-104                 | 530758-5     | 27-113                                    | 530776-5     | 27-176                 | 530782-5     |
| 60          | 3.855<br>97.92  | 3.565<br>90.55  | 2.900<br>73.66  | 27-94                                      | 530340-4     | 27-103                 | 530758-4     | 27-112                                    | 530776-4     | 27-175                 | 530782-4     |
| 50          | 3.355<br>85.22  | 3.065<br>77.85  | 2.400<br>60.96  | 27-93                                      | 530340-3     | 27-102                 | 530758-3     | 27-111                                    | 530776-3     | 27-174                 | 530782-3     |
| 40          | 2.855<br>72.52  | 2.565<br>65.15  | 1.900<br>48.26  | 27-92                                      | 530340-2     | 27-101                 | 530758-2     | 27-110                                    | 530776-2     | 27-173                 | 530782-2     |
| 30          | 2.355<br>59.82  | 2.065<br>52.45  | 1.400<br>35.56  | 27-91                                      | 530340-1     | 27-100                 | 530758-1     | 27-109                                    | 530776-1     | 27-172                 | 530782-1     |

Printed Circuit Board Connectors

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