# PIDG (Pre-Insulated DIAMOND GRIP) <br> Terminals and Splices 

Electronics
Ring Tongue Terminals-Nylon
Material and Finish
Insulation-Nyion
Terminal Body and Metallic
Sleeve - Copper per ASTM B-152
Plating - Tin per ASTM B-545
Military Spacifications MS25036


| Wire Size Clrcular Mils [ $\mathrm{mm}^{2}$ ] | TongueMaterialThicknessMax. | Stud Size | Dimensions |  |  |  | Terminal Insulation Color |  | Class | MS25036 Dash Numbers | Part Numbers |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | W | $\stackrel{C}{\mathrm{Min}^{\prime}}$ | Max. | $\frac{L}{\operatorname{Lax} .}$ |  |  |  |  | Loose Plece | Tape Mounted |
| $\begin{gathered} 26-24 \\ {[0.12-0.24]} \end{gathered}$ | $\begin{aligned} & .029 \\ & 0.74 \end{aligned}$ | $\begin{gathered} 2 \\ M 2 \\ \hline \end{gathered}$ | $\begin{array}{r} -203 \\ 5.16 \\ \hline \end{array}$ | $\begin{aligned} & .211 \\ & 5.36 \end{aligned}$ | $\begin{aligned} & .632 \\ & 16.05 \end{aligned}$ | $\begin{aligned} & .739 \\ & 18.77 \end{aligned}$ | Yellow | $\begin{aligned} & .105 \\ & \hline 2.67 \end{aligned}$ | 1 \& 2 | 143 | 54310-1 ${ }^{+}$ | - |
|  |  | 4 | $\begin{aligned} & .203 \\ & 5.16 \end{aligned}$ | $\begin{aligned} & \hline .211 \\ & 5.36 \end{aligned}$ | $\begin{gathered} \hline .632 \\ 16.05 \\ \hline \end{gathered}$ | $\begin{array}{r} .736 \\ 18.69 \end{array}$ | Yellow | $\begin{aligned} & \hline .105 \\ & 2.67 \\ & \hline \end{aligned}$ | $1 \& 2$ | 144 | $52189{ }^{+}$ | - |
|  |  | $\begin{gathered} \hline 6 \\ \text { M3. } 5 \end{gathered}$ | $\begin{array}{r} 250 \\ 6.35 \\ \hline \end{array}$ | $\begin{aligned} & .243 \\ & 6.17 \\ & \hline \end{aligned}$ | $\begin{array}{r} .684 \\ 16.87 \end{array}$ | $\begin{aligned} & .792 \\ & 20.12 \end{aligned}$ | Yellow | $\begin{aligned} & 105 \\ & 2.67 \end{aligned}$ | 1\&2 | 145 | 53073 ${ }^{\text {r }}$ | - |
|  |  | $\begin{array}{\|c} 8 \\ \hline \end{array}$ | $\begin{array}{r} .281 \\ 7.14 \\ \hline \end{array}$ | $\begin{array}{r} \hline 250 \\ \hline 6.35 \\ \hline \end{array}$ | $\begin{gathered} .671 \\ 17.04 \\ \hline \end{gathered}$ | $\begin{array}{r} .814 \\ 20.68 \\ \hline \end{array}$ | Yellow | $\begin{aligned} & .105 \\ & 2.67 \end{aligned}$ | $1 \& 2$ | 146 | 54311-1 ${ }^{+}$ | - |
|  |  | 10 | $\begin{aligned} & .312 \\ & 7.92 \end{aligned}$ | $\begin{aligned} & .281 \\ & \hline 7.14 \end{aligned}$ | $\begin{aligned} & .702 \\ & 17.83 \end{aligned}$ | $\begin{gathered} .868 \\ 22.05 \end{gathered}$ | Yellow | $\begin{aligned} & .105 \\ & 2.67 \end{aligned}$ | $\frac{1 \& 2}{2}$ | 147 | 54312-1 ${ }^{\text {- }}$ | $54312-2$ |
| $\begin{gathered} 26-22 \\ 202-810 \\ {[0.10-0.41]} \end{gathered}$ | $\begin{aligned} & .020 \\ & 0.51 \end{aligned}$ | $\begin{gathered} \stackrel{2}{\mathrm{M} 2} \\ \hline \end{gathered}$ | $\begin{array}{r} \hline 203 \\ .5 .16 \\ \hline \end{array}$ | $\begin{aligned} & \hline .211 \\ & 5.36 \end{aligned}$ | $\begin{array}{r} .542 \\ 13.77 \\ \hline \end{array}$ | $\begin{array}{r} .646 \\ 16.41 \\ \hline \end{array}$ | Yellow | $\begin{aligned} & .082 \\ & 2.08 \\ & \hline \end{aligned}$ | 2 | 143 | 323913 | 54312-2 |
|  |  | 4 | $\begin{array}{r} .203 \\ 5.16 \\ \hline \end{array}$ | $\begin{aligned} & \hline .211 \\ & \hline 5.36 \\ & \hline \end{aligned}$ | $\begin{array}{r} .542 \\ 13.77 \\ \hline \end{array}$ | $\begin{aligned} & .646 \\ & 16.41 \end{aligned}$ | Yellow | $\begin{aligned} & .082 \\ & 2.08 \end{aligned}$ | 2 | 144 | $323914{ }^{*}$ | 2-323914-1 |
|  |  | $\begin{gathered} 8 \\ \mathrm{M} 4 \\ \hline \end{gathered}$ | $\begin{array}{r} 250 \\ 6.35 \\ \hline \end{array}$ | $\begin{aligned} & .281 \\ & 7.14 \\ & \hline \end{aligned}$ | $\begin{array}{r} .612 \\ 15.54 \end{array}$ | $\begin{array}{r} .740 \\ 18.80 \\ \hline \end{array}$ | Yellow | $\begin{aligned} & \hline 082 \\ & 2.08 \end{aligned}$ | 2 | 146 | 323916 | 2-323916-1 |
|  |  | 10 | $\begin{array}{r} .250 \\ 6.35 \\ \hline \end{array}$ | $\begin{aligned} & \hline .281 \\ & 7.14 \\ & \hline \end{aligned}$ | $\begin{array}{r} .612 \\ 15.54 \\ \hline \end{array}$ | $\begin{array}{r} .740 \\ 18.80 \\ \hline \end{array}$ | Yeliow | $\begin{array}{r} .082 \\ 2.08 \\ \hline \end{array}$ | 2 | 147 | 324075* | 2-324075-1 |
| $\begin{gathered} 22-16 \\ 509-3,260 \\ {[0.26-1.65]} \end{gathered}$ | $\begin{aligned} & .033 \\ & 0.84 \end{aligned}$ | 4 | $\begin{aligned} & .218 \\ & 5.54 \\ & \hline \end{aligned}$ | $\begin{array}{r} .156 \\ 3.96 \end{array}$ | $\begin{gathered} .560 \\ 14.22 \end{gathered}$ | $\begin{gathered} 672 \\ 17.07 \end{gathered}$ | Red | $\begin{aligned} & .125 \\ & 3.18 \end{aligned}$ | $\frac{1 \& 2}{2}$ | 148 | $\frac{320553}{-}$ | $2-320553-2$ |
|  |  |  | $\begin{aligned} & .218 \\ & \mathbf{5 . 5 4} \end{aligned}$ | $\begin{array}{r} .156 \\ 3.96 \\ \hline \end{array}$ | $\begin{aligned} & .560 \\ & 14.22 \end{aligned}$ | $\begin{aligned} & .672 \\ & 17.07 \end{aligned}$ | Red | $\begin{aligned} & .140 \\ & 3.56 \end{aligned}$ | $\frac{1 \& 2}{2}$ | 148 | $\frac{31880^{*}}{-}$ | $2-31880-1$ |
|  |  | $\begin{gathered} 6 \\ \text { M3. } \end{gathered}$ | $\begin{aligned} & .218 \\ & 5.54 \end{aligned}$ | $\begin{aligned} & .156 \\ & 3.96 \end{aligned}$ | $\begin{aligned} & .560 \\ & 14.22 \end{aligned}$ | $\begin{array}{r} .672 \\ 17.07 \end{array}$ | Fed | $\begin{aligned} & .125 \\ & 3.18 \end{aligned}$ | $\frac{1 \& 2}{2}$ | 101 | $36149^{*}$ | $\frac{-}{2-36149-2}$ |
|  |  |  | $\begin{array}{r} .218 \\ \hline 5.54 \end{array}$ | $\begin{array}{r} .156 \\ \mathbf{3 . 9 6} \end{array}$ | $\begin{array}{r} .560 \\ 14.22 \end{array}$ | $\begin{array}{r} .672 \\ 17.07 \end{array}$ | Red | $\begin{aligned} & .140 \\ & 3.56 \end{aligned}$ | $\frac{1 \& 2}{2}$ | 101 | $36150^{*}$ | $\frac{-}{2-36150-1}$ |
|  |  |  | $\begin{aligned} & .250 \\ & 6.35 \end{aligned}$ | $\begin{aligned} & .250 \\ & 6.35 \end{aligned}$ | $\begin{array}{r} .654 \\ 16.61 \end{array}$ | $\begin{aligned} & .782 \\ & 19.86 \end{aligned}$ | Red | $\begin{aligned} & .125 \\ & 3.18 \end{aligned}$ | $\frac{1 \& 2}{2}$ | 102 | 51863* | $\frac{-}{51863-1}$ |
|  |  | $\begin{gathered} 8 \\ \mathrm{M} 4 \end{gathered}$ | $\begin{aligned} & .312 \\ & 7.92 \end{aligned}$ | $\begin{aligned} & .281 \\ & 7.14 \end{aligned}$ | $\begin{array}{r} \mathbf{6 8 5} \\ \mathbf{1 7 . 4 0} \end{array}$ | $\begin{array}{r} .844 \\ 21.44 \end{array}$ | Red | $\begin{array}{r} 125 \\ 3.18 \end{array}$ | $\frac{1 \& 2}{2}$ | 149 | $\frac{320551 *}{-}$ | $\frac{-}{2-320551-1}$ |
|  |  |  | $\begin{aligned} & .312 \\ & 7.92 \end{aligned}$ | $\begin{aligned} & .281 \\ & 7.14 \end{aligned}$ | $\begin{aligned} & .685 \\ & 17.40 \end{aligned}$ | $\begin{array}{r} .844 \\ 21.44 \end{array}$ | Red | $\begin{aligned} & .140 \\ & 3.56 \end{aligned}$ | $\frac{1 \& 2}{2}$ | 149 | 31890* | $\frac{-}{2-31890-2}$ |
|  |  | 10 | $\begin{aligned} & .312 \\ & 7.92 \end{aligned}$ | $\begin{aligned} & .281 \\ & 7.14 \end{aligned}$ | $\begin{aligned} & .685 \\ & 17.40 \end{aligned}$ | $\begin{array}{r} .844 \\ 21.44 \end{array}$ | Red | $\begin{aligned} & .125 \\ & 3.18 \end{aligned}$ | $\frac{1 \& 2}{2}$ | 108 | 36153* | $\frac{-}{2-36153-2}$ |
|  |  |  | $\begin{array}{r} .312 \\ 7.92 \end{array}$ | $\begin{array}{r} .281 \\ 7.14 \end{array}$ | $\begin{array}{r} .685 \\ 17.40 \\ \hline \end{array}$ | $\begin{array}{r} 8.844 \\ 21.44 \end{array}$ | Red | $\begin{aligned} & .140 \\ & 3.56 \end{aligned}$ | $\frac{1 \& 2}{2}$ | 103 | 36154* | $\frac{\text { - }}{\text { 2-36154-2 }}$ |
|  |  | $\begin{aligned} & 1 / 4 \\ & M 6 \end{aligned}$ | $\begin{array}{r} .469 \\ 11.91 \end{array}$ | $\begin{array}{r} .437 \\ 11.10 \end{array}$ | $\begin{array}{r} .841 \\ 21.36 \end{array}$ | $\begin{aligned} & \hline 1.078 \\ & 27.38 \\ & \hline \end{aligned}$ | Red | $\begin{aligned} & \hline 125 \\ & 3.18 \end{aligned}$ | $\frac{1 \& 2}{2}$ | 150 | 320571* | $\frac{-}{2-320571-2}$ |
|  |  |  | $\begin{array}{r} .469 \\ 11.91 \end{array}$ | $\begin{array}{r} .437 \\ 11.10 \\ \hline \end{array}$ | $\begin{array}{r} .841 \\ 21.36 \\ \hline \end{array}$ | $\begin{aligned} & 1.078 \\ & 27.38 \end{aligned}$ | Red | $\begin{aligned} & .140 \\ & 3.56 \end{aligned}$ | $\frac{1 \& 2}{2}$ | 150 | 31894* | $\frac{-}{2-31894-2}$ |
| $\begin{gathered} 22-16 \\ 509-3,260 \\ {[0.26-1.65]} \end{gathered}$ | $\begin{aligned} & .033 \\ & 0.84 \end{aligned}$ | $\begin{aligned} & 5 / 16 \\ & \mathrm{MB} \end{aligned}$ | $\begin{gathered} .469 \\ 11.91 \end{gathered}$ | $\begin{array}{r} .437 \\ 11.10 \end{array}$ | $\begin{array}{r} .841 \\ 21.36 \end{array}$ | $\begin{aligned} & 1.078 \\ & 27.38 \end{aligned}$ | Red | $\begin{aligned} & .125 \\ & 3.18 \end{aligned}$ | $\frac{1 \& 2}{2}$ | 104 | 320572* | $2-320572-1$ |
|  |  |  | $\begin{gathered} .469 \\ 11.91 \end{gathered}$ | $\begin{array}{r} .437 \\ 11.10 \end{array}$ | $\begin{array}{r} .841 \\ 21.36 \end{array}$ | $\begin{aligned} & 1.078 \\ & 27.38 \end{aligned}$ | Red | $\begin{aligned} & .140 \\ & 3.56 \end{aligned}$ | $\frac{1 \& 2}{2}$ | 104 | 31895* | $\frac{-}{2-31895-1}$ |
|  |  | 3/8 | $\begin{array}{r} 531 \\ \mathbf{1 3 . 4 9} \\ \hline \end{array}$ | $\begin{array}{r} .546 \\ 13.87 \end{array}$ | $\begin{array}{r} .950 \\ \mathbf{2 4 . 1 3} \end{array}$ | $\begin{aligned} & 1.218 \\ & 30.94 \end{aligned}$ | Red | $\begin{aligned} & .125 \\ & 3.18 \end{aligned}$ | $\frac{1 \& 2}{2}$ | 105 | 320573* | $\frac{-}{2-320573-4}$ |
|  |  |  | $\begin{array}{r} .581 \\ .13 .49 \end{array}$ | $\begin{array}{r} .546 \\ 13.87 \\ \hline \end{array}$ | $\begin{array}{r} .950 \\ 24.13 \end{array}$ | $\begin{aligned} & 1.218 \\ & 30.94 \end{aligned}$ | Red | $\begin{aligned} & .140 \\ & 3.56 \end{aligned}$ | $\frac{1 \& 2}{2}$ | 105 | $\frac{31897}{}{ }^{*}$ | $\frac{-}{2-31897-2}$ |
|  |  | $\begin{aligned} & \hline 1 / 2 \\ & \text { M12 } \\ & \hline \end{aligned}$ | $\begin{array}{r} 713 \\ 18.11 \\ \hline \end{array}$ | $\begin{array}{r} .530 \\ 13.46 \\ \hline \end{array}$ | $\begin{array}{r} .934 \\ \mathbf{2 3 . 7 2} \\ \hline \end{array}$ | $\begin{aligned} & 1.298 \\ & 32.84 \\ & \hline \end{aligned}$ | Red | $\begin{array}{r} .125 \\ \mathbf{3 . 1 8} \end{array}$ | 182 | 151 | 328975* | $2 \cdot 31807-2$ |

Available in small packaging quandities.
Note: " C " dimension applies from edge of metal wire barrel to center of stud hole.
Must be crimped with 22-18 or 22-16 PIDG (red) Tooling.


