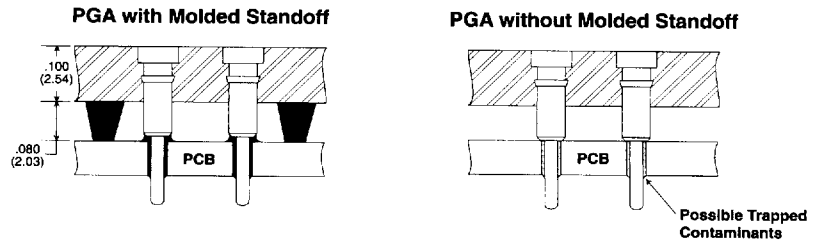
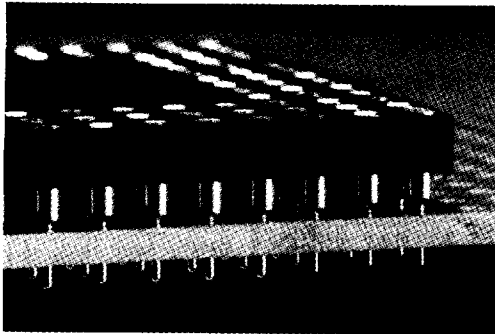


Molded Standoff for Low Insertion Force PGA Sockets



Features:

- Reduces chance of intermittent solder connections due to solder pinch-off at board terminal interface.
- Molded standoffs prevent contaminants and gas pockets from becoming trapped around the terminal tails, eliminating possibility of an unreliable solder connection when exposed to extreme temperature and atmospheric changes.
- Over 400 LIF PGA footprints, 8 to 484 pins standard. Custom designs available.

Terminals and Contacts:

Terminal: Brass - Copper Alloy 360, ASTM-B-16

Contact: Beryllium Copper - Copper Alloy 172, ASTM-B-194

Plating:

Terminal: Gold over Nickel or Tin-Lead over Nickel

Contact: Gold over Nickel or Tin-Lead over Nickel

Gold per MIL-G-45204

Tin-Lead per MIL-P-81728

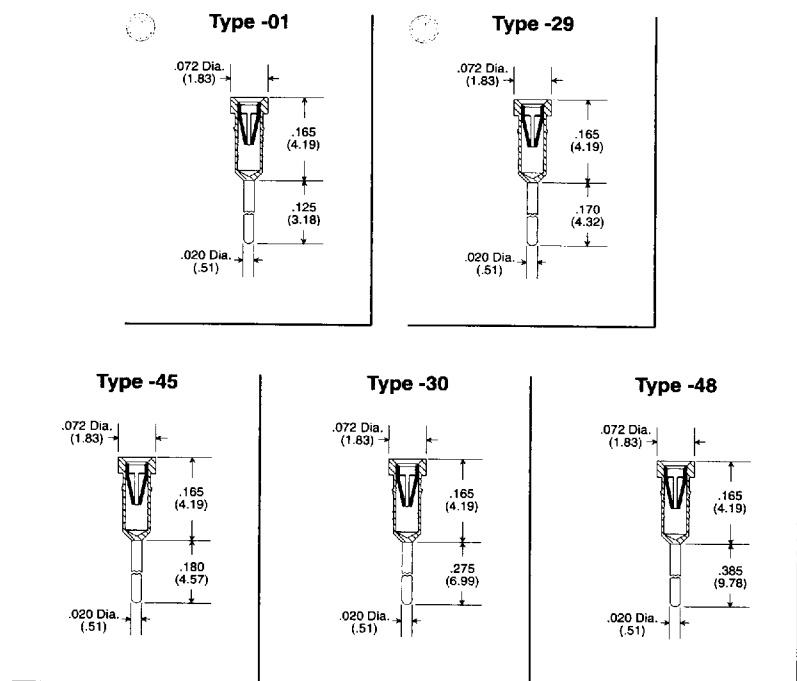
Nickel per QQ-N-290

Body Material:

SOS/SIS - Glass Filled Thermoplastic Polyester (P.B.T.), U.L. Rated 94V-O, -60°C to 140°C (-76°F to 284°F)

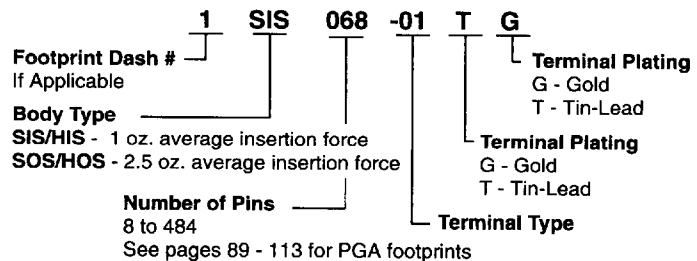
HOS/HIS - High Temp. Glass Filled Thermoplastic (P.P.S.), U.L. Rated 94V-O, 60°C to 260°C (-76°F to 500°F)

Terminal Information

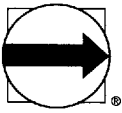


Quick turn delivery available on standard terminal types. Additional terminal types available. See terminal section for detailed terminal information.

How To Order



Pin Grid Array



PGA Socket and Adapter Footprints

<p>8 Pins Footprint Number 8*</p> <p>3 x 3 rows</p>	<p>9 Pins Footprint Number 9*</p> <p>3 x 3 rows</p>	<p>10 Pins Footprint Number 10*</p> <p>4 x 3 rows</p>	<p>12 Pins Footprint Number 12*</p> <p>5 x 5 rows</p>	<p>20 Pins Footprint Number 20*</p> <p>5 x 5 rows</p>
<p>20 Pins Footprint Number 20-2*</p> <p>5 x 4 rows</p>	<p>21 Pins Footprint Number 21*</p> <p>5 x 5 rows</p>	<p>22 Pins Footprint Number 22*</p> <p>5 x 5 rows</p>	<p>23 Pins Footprint Number 23*</p> <p>5 x 5 rows</p>	<p>24 Pins Footprint Number 24*</p> <p>5 x 5 rows</p>
<p>25 Pins Footprint Number 25*</p> <p>5 x 5 rows</p>	<p>28 Pins Footprint Number 28*</p> <p>6 x 6 rows</p>	<p>28 Pins Footprint Number 28-1*</p> <p>7 x 7 rows</p>	<p>28 Pins Footprint Number 28-2*</p> <p>5 x 6 rows</p>	<p>28 Pins Footprint Number 28-3</p> <p>9 x 9 rows</p>
<p>29 Pins Footprint Number 29*</p> <p>6 x 6 rows</p>	<p>32 Pins Footprint Number 32</p> <p>9 x 9 rows</p>	<p>32 Pins Footprint Number 32-1*</p> <p>9 x 11 rows</p>	<p>32 Pins Footprint Number 32-2*</p> <p>6 x 7 rows</p>	<p>32 Pins Footprint Number 32-3*</p> <p>7 x 7 rows</p>

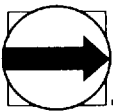
* Not Currently Available in Molded Body.
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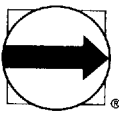
Pin Grid Array



PGA Socket and Adapter Footprints

<p>36 Pins Footprint Number 36</p> <p>10 x 10 rows</p>	<p>36 Pins Footprint Number 36-1*</p> <p>6 x 6 rows</p>	<p>37 Pins Footprint Number 37</p> <p>10 x 10 rows</p>	<p>40 Pins Footprint Number 40</p> <p>11 x 11 rows</p>	<p>40 Pins Footprint Number 40-1*</p> <p>7 x 7 rows</p>
<p>40 Pins Footprint Number 40-2*</p> <p>7 x 9 rows</p>	<p>40 Pins Footprint Number 40-3*</p> <p>8 x 8 rows</p>	<p>42 Pins Footprint Number 42-1*</p> <p>7 x 6 rows</p>	<p>43 Pins Footprint Number 43*</p> <p>13 x 11 rows</p>	<p>44 Pins Footprint Number 44*</p> <p>8 x 8 rows</p>
<p>44 Pins Footprint Number 44-1</p> <p>11 x 11 rows</p>	<p>44 Pins Footprint Number 44-2</p> <p>12 x 12 rows</p>	<p>44 Pins Footprint Number 44-3*</p> <p>8 x 8 rows</p>	<p>44 Pins Footprint Number 44-4*</p> <p>8 x 8 rows</p>	<p>44 Pins Footprint Number 44-5</p> <p>9 x 9 rows</p>
<p>44 Pins Footprint Number 44-6</p> <p>10 x 10 rows</p>	<p>44 Pins Footprint Number 44-7</p> <p>10 x 10 rows</p>	<p>44 Pins Footprint Number 44-9</p> <p>13 x 13 rows</p>	<p>45 Pins Footprint Number 45*</p> <p>8 x 8 rows</p>	<p>45 Pins Footprint Number 45-1*</p> <p>8 x 8 rows</p>

* Not Currently Available in Molded Body.
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PGA Socket and Adapter Footprints

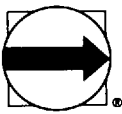
<p>45 Pins Footprint Number 45-2*</p> <p>8 x 8 rows</p>	<p>47 Pins Footprint Number 47*</p> <p>8 x 8 rows</p>	<p>48 Pins Footprint Number 48</p> <p>9 x 9 rows</p>	<p>48 Pins Footprint Number 48-1</p> <p>13 x 13 rows</p>	<p>48 Pins Footprint Number 48-2*</p> <p>8 x 8 rows</p>
<p>48 Pins Footprint Number 48-3*</p> <p>8 x 8 rows</p>	<p>48 Pins Footprint Number 48-4</p> <p>10 x 10 rows</p>	<p>49 Pins Footprint Number 49</p> <p>9 x 9 rows</p>	<p>49 Pins Footprint Number 49-1</p> <p>14 x 14 rows</p>	<p>49 Pins Footprint Number 49-2*</p> <p>7 x 7 rows</p>
<p>49 Pins Footprint Number 49-3</p> <p>9 x 9 rows</p>	<p>50 Pins Footprint Number 50</p> <p>14 x 14 rows</p>	<p>50 Pins Footprint Number 50-1</p> <p>9 x 9 rows</p>	<p>50 Pins Footprint Number 50-2*</p> <p>5 x 10 rows</p>	<p>52 Pins Footprint Number 52</p> <p>9 x 9 rows</p>
<p>52 Pins Footprint Number 52-1</p> <p>13 x 13 rows</p>	<p>52 Pins Footprint Number 52-2</p> <p>9 x 9 rows</p>	<p>52 Pins Footprint Number 52-3</p> <p>11 x 11 rows</p>	<p>52 Pins Footprint Number 52-4</p> <p>12 x 12 rows</p>	<p>53 Pins Footprint Number 53</p> <p>9 x 9 rows</p>

* Not Currently Available in Molded Body.
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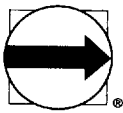


PGA Socket and Adapter Footprints

<p>53 Pins Footprint Number 53-1</p> <p>9 x 9 rows</p>	<p>53 Pins Footprint Number 53-2</p> <p>9 x 9 rows</p>	<p>54 Pins Footprint Number 54</p> <p>10 x 10 rows</p>	<p>56 Pins Footprint Number 56</p> <p>9 x 9 rows</p>	<p>56 Pins Footprint Number 56-1*</p> <p>10 x 20 rows</p>
<p>56 Pins Footprint Number 56-2</p> <p>15 x 15 rows</p>	<p>57 Pins Footprint Number 57</p> <p>9 x 9 rows</p>	<p>64 Pins Footprint Number 64</p> <p>10 x 10 rows</p>	<p>64 Pins Footprint Number 64-1*</p> <p>8 x 8 rows</p>	<p>64 Pins Footprint Number 64-2</p> <p>11 x 11 rows</p>
<p>64 Pins Footprint Number 64-3</p> <p>17 x 17 rows</p>	<p>64 Pins Footprint Number 64-4</p> <p>10 x 10 rows</p>	<p>64 Pins Footprint Number 64-5*</p> <p>12 x 10 rows</p>	<p>64 Pins Footprint Number 64-6</p> <p>10 x 10 rows</p>	<p>64 Pins Footprint Number 64-7*</p> <p>13 x 10 rows</p>
<p>64 Pins Footprint Number 64-8*</p> <p>24 x 16 rows</p>	<p>65 Pins Footprint Number 65</p> <p>11 x 11 rows</p>	<p>65 Pins Footprint Number 65-1</p> <p>10 x 10 rows</p>	<p>65 Pins Footprint Number 65-3</p> <p>9 x 9 rows</p>	<p>66 Pins Footprint Number 66</p> <p>11 x 11 rows</p>

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PGA Socket and Adapter Footprints

<p>66 Pins Footprint Number 66-1</p> <p>11 x 11 rows</p>	<p>67 Pins Footprint Number 67</p> <p>11 x 11 rows</p>	<p>67 Pins Footprint Number 67-1</p> <p>10 x 10 rows</p>	<p>68 Pins Footprint Number 68</p> <p>11 x 11 rows</p>	<p>68 Pins Footprint Number 68-1</p> <p>10 x 10 rows</p>
<p>68 Pins Footprint Number 68-2</p> <p>14 x 14 rows</p>	<p>68 Pins Footprint Number 68-3*</p> <p>19 x 19 rows</p>	<p>68 Pins Footprint Number 68-4</p> <p>11 x 11 rows</p>	<p>68 Pins Footprint Number 68-5*</p> <p>10 x 12 rows</p>	<p>69 Pins Footprint Number 69</p> <p>11 x 11 rows</p>
<p>69 Pins Footprint Number 69-1</p> <p>9 x 9 rows</p>	<p>69 Pins Footprint Number 69-2</p> <p>11 x 11 rows</p>	<p>69 Pins Footprint Number 69-4</p> <p>18 x 18 rows</p>	<p>70 Pins Footprint Number 70</p> <p>11 x 11 rows</p>	<p>70 Pins Footprint Number 70-1</p> <p>10 x 10 rows</p>
<p>70 Pins Footprint Number 70-2</p> <p>11 x 11 rows</p>	<p>71 Pins Footprint Number 71</p> <p>11 x 11 rows</p>	<p>72 Pins Footprint Number 72</p> <p>11 x 11 rows</p>	<p>72 Pins Footprint Number 72-1</p> <p>11 x 11 rows</p>	<p>72 Pins Footprint Number 72-2</p> <p>9 x 9 rows</p>

* Not Currently Available in Molded Body.

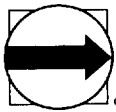
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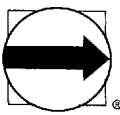
Pin Grid Array



PGA Socket and Adapter Footprints

<p>72 Pins Footprint Number 72-3</p> <p>11 x 11 rows</p>	<p>72 Pins Footprint Number 72-4</p> <p>10 x 10 rows</p>	<p>72 Pins Footprint Number 72-5</p> <p>19 x 19 rows</p>	<p>73 Pins Footprint Number 73</p> <p>11 x 11 rows</p>	<p>73 Pins Footprint Number 73-1</p> <p>11 x 11 rows</p>
<p>73 Pins Footprint Number 73-2</p> <p>13 x 13 rows</p>	<p>73 Pins Footprint Number 73</p> <p>11 X 11 rows</p>	<p>74 Pins Footprint Number 74</p> <p>11 X 11 rows</p>	<p>74-1 Pins Footprint Number 74-1</p> <p>11 X 11 rows</p>	<p>74 Pins Footprint Number 74-2</p> <p>11 X 11 rows</p>
<p>74 Pins Footprint Number 74-3</p> <p>13 X 13 rows</p>	<p>75 Pins Footprint Number 75</p> <p>9 X 9 rows</p>	<p>75 Pins Footprint Number 75-1</p> <p>11 X 11 rows</p>	<p>75 Pins Footprint Number 75-2</p> <p>15 x 15 rows</p>	<p>75 Pins Footprint Number 75-3</p> <p>11 x 11 rows</p>
<p>76 Pins Footprint Number 76</p> <p>12 x 12 rows</p>	<p>76 Pins Footprint Number 76-1</p> <p>9 x 9 rows</p>	<p>76 Pins Footprint Number 76-2</p> <p>9 x 9 rows</p>	<p>76 Pins Footprint Number 76-3</p> <p>11 x 11 rows</p>	<p>80 Pins Footprint Number 80</p> <p>12 x 12 rows</p>

* Not Currently Available in Molded Body.
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PGA Socket and Adapter Footprints

<p>80 Pins Footprint Number 80-1</p> <p>11 x 11 rows</p>	<p>80 Pins Footprint Number 80-2</p> <p>11 x 11 rows</p>	<p>80 Pins Footprint Number 80-3</p> <p>12 x 12 rows</p>	<p>80 Pins Footprint Number 80-4</p> <p>14 x 12 rows</p>	<p>80 Pins Footprint Number 80-5</p> <p>12 x 12 rows</p>
<p>80 Pins Footprint Number 80-6</p> <p>14 x 12 rows</p>	<p>80 Pins Footprint Number 80-7*</p> <p>8 x 10 rows</p>	<p>81 Pins Footprint Number 81</p> <p>9 x 9 rows</p>	<p>81 Pins Footprint Number 81-1</p> <p>11 x 11 rows</p>	<p>83 Pins Footprint Number 83</p> <p>11 x 11 rows</p>
<p>84 Pins Footprint Number 84</p> <p>10 x 10 rows</p>	<p>84 Pins Footprint Number 84-1</p> <p>12 x 12 rows</p>	<p>84 Pins Footprint Number 84-2</p> <p>13 x 13 rows</p>	<p>84 Pins Footprint Number 84-3</p> <p>11 x 11 rows</p>	<p>84 Pins Footprint Number 84-4</p> <p>11 x 11 rows</p>
<p>84 Pins Footprint Number 84-5</p> <p>15 x 15 rows</p>	<p>84 Pins Footprint Number 84-6</p> <p>11 x 11 rows</p>	<p>84 Pins Footprint Number 84-7</p> <p>12 x 12 rows</p>	<p>84 Pins Footprint Number 84-8</p> <p>12 x 12 rows</p>	<p>84 Pins Footprint Number 84-9</p> <p>11 x 11 rows</p>

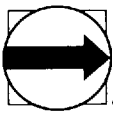
* Not Currently Available in Molded Body.
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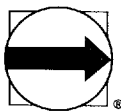
Pin Grid Array



PGA Socket and Adapter Footprints

<p>84 Pins Footprint Number 84-10*</p> <p>12 x 7 rows</p>	<p>84 Pins Footprint Number 84-11*</p> <p>15 x 14 rows</p>	<p>85 Pins Footprint Number 85</p> <p>11 x 11 rows</p>	<p>85 Pins Footprint Number 85-1</p> <p>13 x 13 rows</p>	<p>85 Pins Footprint Number 85-2</p> <p>13 x 13 rows</p>
<p>85 Pins Footprint Number 85-3</p> <p>11 x 11 rows</p>	<p>85 Pins Footprint Number 85-4</p> <p>10 x 10 rows</p>	<p>85 Pins Footprint Number 85-5</p> <p>11 x 11 rows</p>	<p>85 Pins Footprint Number 85-6</p> <p>11 x 11 rows</p>	<p>85 Pins Footprint Number 85-7</p> <p>11 x 11 rows</p>
<p>88 Pins Footprint Number 88</p> <p>13 x 13 rows</p>	<p>88 Pins Footprint Number 88-1</p> <p>12 x 12 rows</p>	<p>88 Pins Footprint Number 88-2</p> <p>12 x 12 rows</p>	<p>88 Pins Footprint Number 88-3</p> <p>10 x 10 rows</p>	<p>88 Pins Footprint Number 88-4</p> <p>13 x 13 rows</p>
<p>89 Pins Footprint Number 89</p> <p>12 x 12 rows</p>	<p>89 Pins Footprint Number 89-1</p> <p>12 x 12 rows</p>	<p>89 Pins Footprint Number 89-2</p> <p>13 x 13 rows</p>	<p>90 Pins Footprint Number 90*</p> <p>5 x 18 rows</p>	<p>92 Pins Footprint Number 92</p> <p>10 x 10 rows</p>

* Not Currently Available in Molded Body.
For Ordering Information See Page 78 - 88. For cutout window consult factory.



PGA Socket and Adapter Footprints

<p>92 Pins Footprint Number 92-1</p> <p>11 x 11 rows</p>	<p>92 Pins Footprint Number 92-2</p> <p>13 x 13 rows</p>	<p>94 Pins Footprint Number 94</p> <p>12 x 12 rows</p>	<p>95 Pins Footprint Number 95</p> <p>14 x 14 rows</p>	<p>95 Pins Footprint Number 95-1</p> <p>19 x 19 rows</p>
<p>96 Pins Footprint Number 96</p> <p>11 x 11 rows</p>	<p>96 Pins Footprint Number 96-1</p> <p>13 x 13 rows</p>	<p>96 Pins Footprint Number 96-2</p> <p>14 x 14 rows</p>	<p>96 Pins Footprint Number 96-3</p> <p>14 x 14 rows</p>	<p>97 Pins Footprint Number 97</p> <p>13 x 13 rows</p>
<p>97 Pins Footprint Number 97-1</p> <p>11 x 11 rows</p>	<p>100 Pins Footprint Number 100</p> <p>10 x 10 rows</p>	<p>100 Pins Footprint Number 100-1</p> <p>15 x 15 rows</p>	<p>100 Pins Footprint Number 100-2</p> <p>13 x 13 rows</p>	<p>100 Pins Footprint Number 100-3</p> <p>11 x 11 rows</p>
<p>100 Pins Footprint Number 100-4*</p> <p>17 x 11 rows</p>	<p>100 Pins Footprint Number 100-5</p> <p>14 x 14 rows</p>	<p>100 Pins Footprint Number 100-6</p> <p>13 x 13 rows</p>	<p>100 Pins Footprint Number 100-7</p> <p>13 x 13 rows</p>	<p>100 Pins Footprint Number 100-8</p> <p>14 x 14 rows</p>

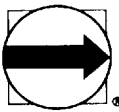
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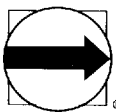
Pin Grid Array



PGA Socket and Adapter Footprints

<p>100 Pins Footprint Number 100-9</p> <p>12 x 12 rows</p>	<p>100 Pins Footprint Number 100-10</p> <p>13 x 13 rows</p>	<p>100 Pins Footprint Number 100-11*</p> <p>13 x 12 rows</p>	<p>100 Pins Footprint Number 100-12*</p> <p>13 x 15 rows</p>	<p>100 Pins Footprint Number 100-13*</p> <p>15 x 13 rows</p>
<p>100 Pins Footprint Number 100-14*</p> <p>11 x 13 rows</p>	<p>100 Pins Footprint Number 100-15</p> <p>13 x 13 rows</p>	<p>100 Pins Footprint Number 100-16</p> <p>13 x 13 rows</p>	<p>100 Pins Footprint Number 100-17</p> <p>13 x 13 rows</p>	<p>101 Pins Footprint Number 101</p> <p>13 x 13 rows</p>
<p>101 Pins Footprint Number 101-1</p> <p>14 x 14 rows</p>	<p>101 Pins Footprint Number 101-2</p> <p>15 x 15 rows</p>	<p>101 Pins Footprint Number 101-3</p> <p>13 x 13 rows</p>	<p>101 Pins Footprint Number 101-4</p> <p>13 x 13 rows</p>	<p>101 Pins Footprint Number 101-5</p> <p>12 x 12 rows</p>
<p>102 Pins Footprint Number 102</p> <p>13 x 13 rows</p>	<p>104 Pins Footprint Number 104</p> <p>14 x 14 rows</p>	<p>104 Pins Footprint Number 104-1</p> <p>13 x 13 rows</p>	<p>104 Pins Footprint Number 104-2</p> <p>15 x 15 rows</p>	<p>105 Pins Footprint Number 105</p> <p>19 x 19 rows</p>

* Not Currently Available in Molded Body.
For Ordering Information See Page 78 - 88. For cutout window consult factory.



PGA Socket and Adapter Footprints

<p>107 Pins Footprint Number 107</p> <p>12 x 12 rows</p>	<p>108 Pins Footprint Number 108</p> <p>12 x 12 rows</p>	<p>108 Pins Footprint Number 108-1</p> <p>11 x 11 rows</p>	<p>109 Pins Footprint Number 109</p> <p>12 x 12 rows</p>	<p>112 Pins Footprint Number 112</p> <p>11 x 11 rows</p>
<p>112 Pins Footprint Number 112-1</p> <p>16 x 16 rows</p>	<p>113 Pins Footprint Number 113</p> <p>11 x 11 rows</p>	<p>114 Pins Footprint Number 114-2</p> <p>13 x 13 rows</p>	<p>116 Pins Footprint Number 116</p> <p>11 x 11 rows</p>	<p>116 Pins Footprint Number 116-1*</p> <p>17 x 11 rows</p>
<p>117 Pins Footprint Number 117</p> <p>11 x 11 rows</p>	<p>119 Pins Footprint Number 119</p> <p>13 x 13 rows</p>	<p>119 Pins Footprint Number 119-1</p> <p>13 x 13 rows</p>	<p>120 Pins Footprint Number 120</p> <p>13 x 13 rows</p>	<p>120 Pins Footprint Number 120-1</p> <p>11 x 11 rows</p>
<p>120 Pins Footprint Number 120-2</p> <p>13 x 13 rows</p>	<p>120 Pins Footprint Number 120-4</p> <p>18 x 18 rows</p>	<p>120 Pins Footprint Number 120-5</p> <p>16 x 16 rows</p>	<p>121 Pins Footprint Number 121</p> <p>13 x 13 rows</p>	<p>121 Pins Footprint Number 121-1</p> <p>11 x 11 rows</p>

Pin Grid Array

* Not Currently Available in Molded Body.

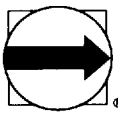
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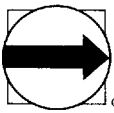
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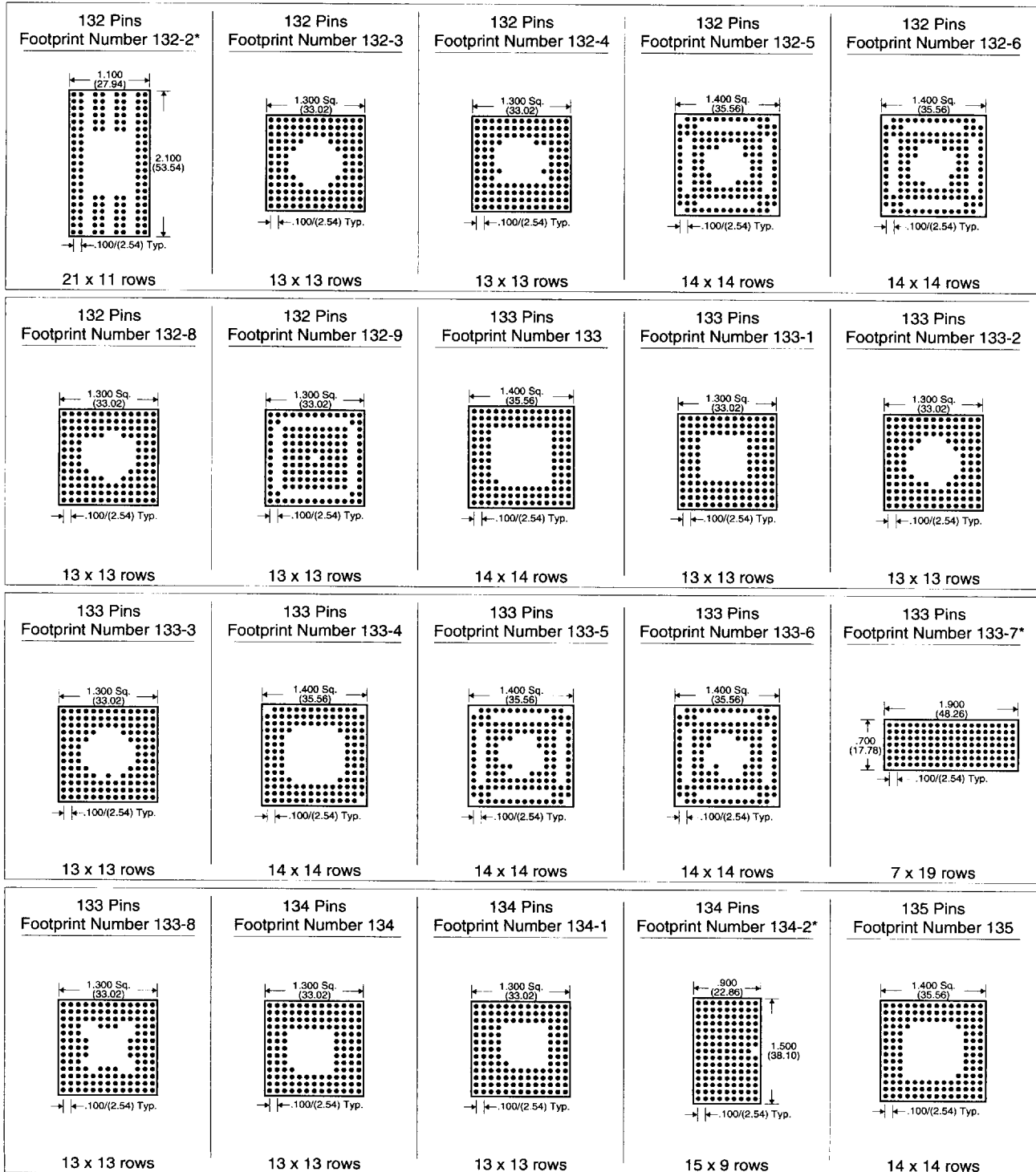
PGA Socket and Adapter Footprints

<p>122 Pins Footprint Number 122</p> <p>1.300 Sq. (33.02)</p> <p>.100/(2.54) Typ.</p> <p>13 x 13 rows</p>	<p>123 Pins Footprint Number 123*</p> <p>2.100 (53.34)</p> <p>.600 (15.24)</p> <p>.100/(2.54) Typ.</p> <p>21 x 6 rows</p>	<p>124 Pins Footprint Number 124</p> <p>1.300 Sq. (33.02)</p> <p>.100/(2.54) Typ.</p> <p>13 x 13 rows</p>	<p>124 Pins Footprint Number 124-1</p> <p>1.500 Sq. (38.10)</p> <p>.100/(2.54) Typ.</p> <p>15 x 15 rows</p>	<p>124 Pins Footprint Number 124-2</p> <p>1.800 Sq. (45.72)</p> <p>.100/(2.54) Typ.</p> <p>18 x 18 rows</p>
<p>124 Pins Footprint Number 124-3</p> <p>1.400 Sq. (35.56)</p> <p>.100/(2.54) Typ.</p> <p>14 x 14 rows</p>	<p>124 Pins Footprint Number 124-4</p> <p>1.200 Sq. (30.48)</p> <p>.100/(2.54) Typ.</p> <p>12 x 12 rows</p>	<p>125 Pins Footprint Number 125</p> <p>1.300 Sq. (33.02)</p> <p>.100/(2.54) Typ.</p> <p>13 x 13 rows</p>	<p>125 Pins Footprint Number 125-1</p> <p>1.300 Sq. (33.02)</p> <p>.100/(2.54) Typ.</p> <p>13 x 13 rows</p>	<p>125 Pins Footprint Number 125-2</p> <p>1.800 Sq. (45.72)</p> <p>.100/(2.54) Typ.</p> <p>18 x 18 rows</p>
<p>125 Pins Footprint Number 125-3</p> <p>1.400 Sq. (35.56)</p> <p>.100/(2.54) Typ.</p> <p>14 x 14 rows</p>	<p>128 Pins Footprint Number 128</p> <p>1.300 Sq. (33.02)</p> <p>.100/(2.54) Typ.</p> <p>13 x 13 rows</p>	<p>128 Pins Footprint Number 128-1</p> <p>1.300 Sq. (33.02)</p> <p>.100/(2.54) Typ.</p> <p>13 x 13 rows</p>	<p>128 Pins Footprint Number 128-2</p> <p>1.700 Sq. (43.18)</p> <p>.100/(2.54) Typ.</p> <p>17 x 17 rows</p>	<p>128 Pins Footprint Number 128-3</p> <p>1.300 Sq. (33.02)</p> <p>.100/(2.54) Typ.</p> <p>13 x 13 rows</p>
<p>128 Pins Footprint Number 128-4</p> <p>1.700 Sq. (43.18)</p> <p>.100/(2.54) Typ.</p> <p>17 x 17 rows</p>	<p>130 Pins Footprint Number 130</p> <p>1.300 Sq. (33.02)</p> <p>.100/(2.54) Typ.</p> <p>13 x 13 rows</p>	<p>131 Pins Footprint Number 131</p> <p>1.400 Sq. (35.56)</p> <p>.100/(2.54) Typ.</p> <p>14 x 14 rows</p>	<p>132 Pins Footprint Number 132</p> <p>1.400 Sq. (35.56)</p> <p>.100/(2.54) Typ.</p> <p>14 x 14 rows</p>	<p>132 Pins Footprint Number 132-1</p> <p>1.300 Sq. (33.02)</p> <p>.100/(2.54) Typ.</p> <p>13 x 13 rows</p>

* Not Currently Available in Molded Body.
For Ordering Information See Page 78 - 88. For cutout window consult factory.



PGA Socket and Adapter Footprints



* Not Currently Available in Molded Body.

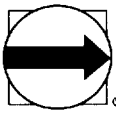
For Ordering Information See Page 78 - 88. For cutout window consult factory.

inch/(mm)

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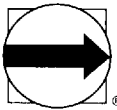
Pin Grid Area



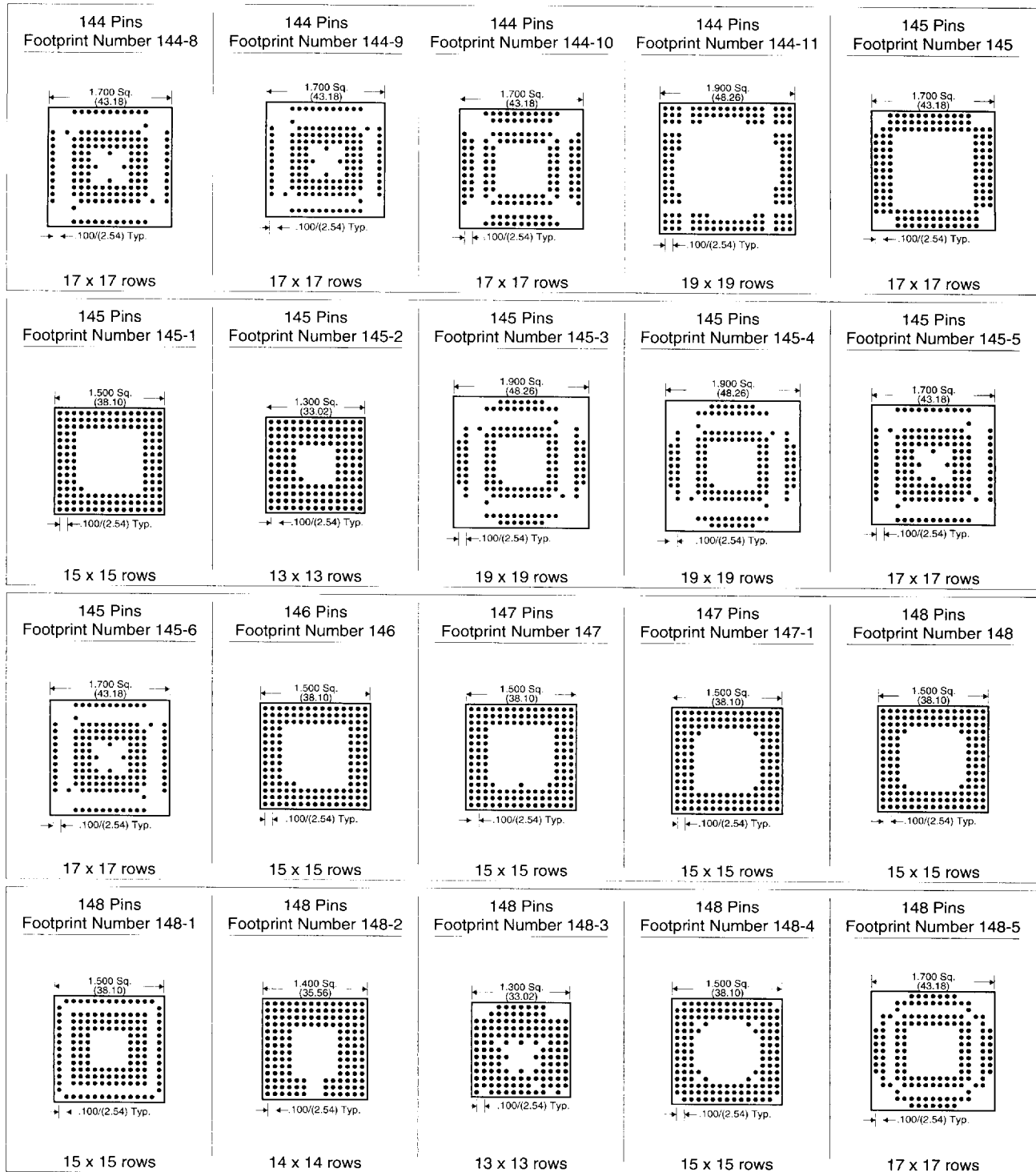
PGA Socket and Adapter Footprints

<p>135 Pins Footprint Number 135-1*</p> <p>15 x 9 rows</p>	<p>136 Pins Footprint Number 136</p> <p>14 x 14 rows</p>	<p>136 Pins Footprint Number 136-1</p> <p>19 x 19 rows</p>	<p>139 Pins Footprint Number 139</p> <p>14 x 14 rows</p>	<p>139 Pins Footprint Number 139-1</p> <p>14 x 14 rows</p>
<p>139 Pins Footprint Number 139-2*</p> <p>22 x 22 rows</p>	<p>141 Pins Footprint Number 141</p> <p>15 x 15 rows</p>	<p>142 Pins Footprint Number 142</p> <p>13 x 13 rows</p>	<p>142 Pins Footprint Number 142-1</p> <p>15 x 15 rows</p>	<p>142 Pins Footprint Number 142-2</p> <p>14 x 14 rows</p>
<p>142 Pins Footprint Number 142-3</p> <p>15 x 15 rows</p>	<p>143 Pins Footprint Number 143</p> <p>12 x 12 rows</p>	<p>143 Pins Footprint Number 143-1</p> <p>15 x 15 rows</p>	<p>144 Pins Footprint Number 144</p> <p>13 x 13 rows</p>	<p>144 Pins Footprint Number 144-1</p> <p>12 x 12 rows</p>
<p>144 Pins Footprint Number 144-2</p> <p>15 x 15 rows</p>	<p>144 Pins Footprint Number 144-3</p> <p>17 x 17 rows</p>	<p>144 Pins Footprint Number 144-5</p> <p>16 x 16 rows</p>	<p>144 Pins Footprint Number 144-6</p> <p>19 x 19 rows</p>	<p>144 Pins Footprint Number 144-7</p> <p>19 x 19 rows</p>

* Not Currently Available in Molded Body.
For Ordering Information See Page 78 - 88. For cutout window consult factory.



PGA Socket and Adapter Footprints



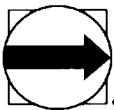
* Not Currently Available in Molded Body.
For Ordering Information See Page 78 - 88. For cutout window consult factory.

inch/(mm)

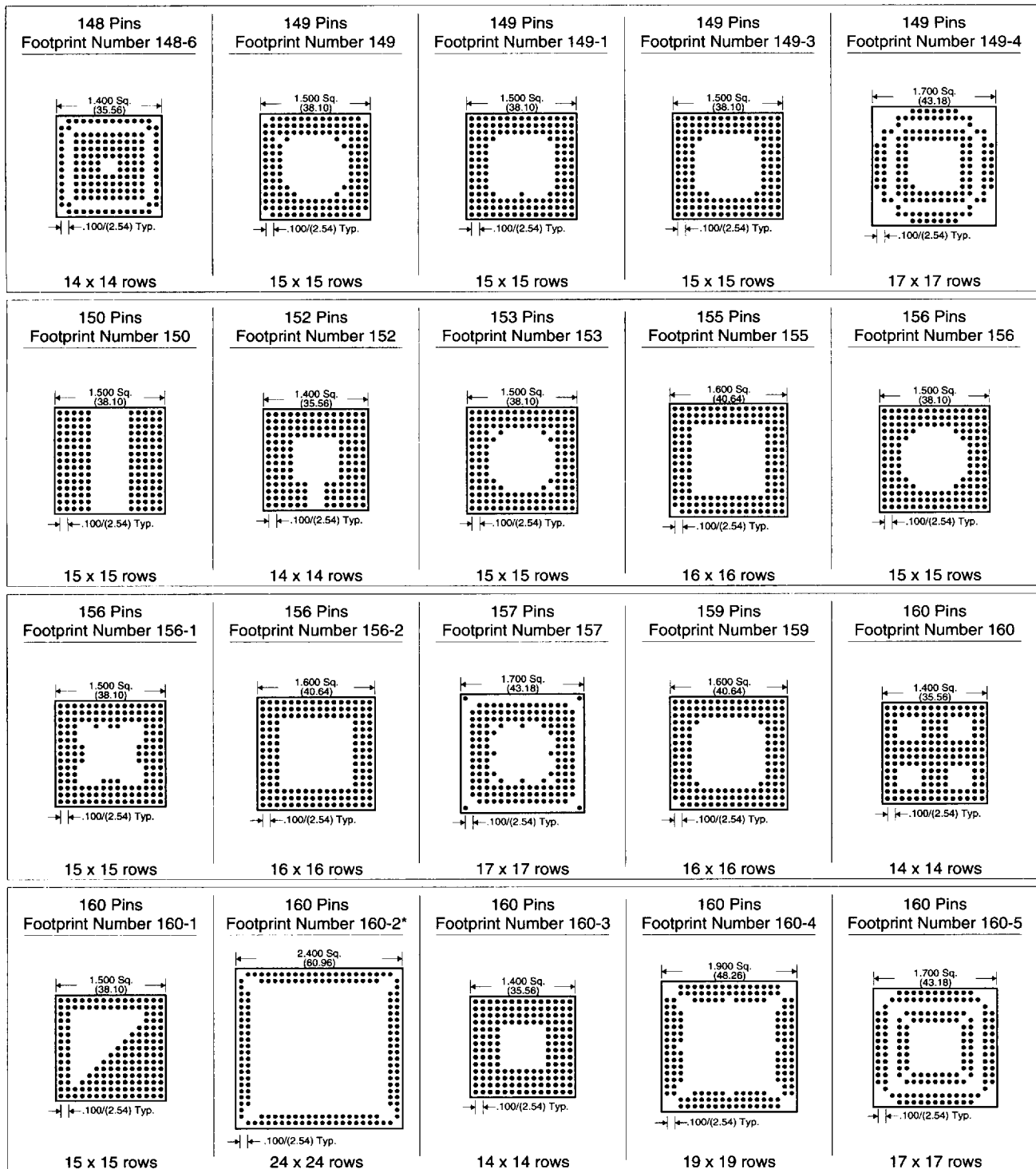
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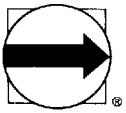
Pin Grid Array



PGA Socket and Adapter Footprints



* Not Currently Available in Molded Body.
For Ordering Information See Page 78 - 88. For cutout window consult factory.



PGA Socket and Adapter Footprints

<p>160 Pins Footprint Number 160-6</p> <p>15 x 15 rows</p>	<p>160 Pins Footprint Number 160-7</p> <p>16 x 16 rows</p>	<p>161 Pins Footprint Number 161</p> <p>15 x 15 rows</p>	<p>161 Pins Footprint Number 161-1</p> <p>17 x 17 rows</p>	<p>161 Pins Footprint Number 161-2</p> <p>15 x 15 rows</p>
<p>162 Pins Footprint Number 162</p> <p>15 x 15 rows</p>	<p>162 Pins Footprint Number 162-2</p> <p>17 x 17 rows</p>	<p>164 Pins Footprint Number 164</p> <p>17 x 17 rows</p>	<p>164 Pins Footprint Number 164-1</p> <p>17 x 17 rows</p>	<p>164 Pins Footprint Number 164-2</p> <p>17 x 17 rows</p>
<p>164 Pins Footprint Number 164-3</p> <p>15 x 15 rows</p>	<p>165 Pins Footprint Number 165</p> <p>17 x 17 rows</p>	<p>165 Pins Footprint Number 165-1</p> <p>17 x 17 rows</p>	<p>165 Pins Footprint Number 165-2</p> <p>17 x 17 rows</p>	<p>167 Pins Footprint Number 167</p> <p>17 x 17 rows</p>
<p>168 Pins Footprint Number 168</p> <p>17 x 17 rows</p>	<p>169 Pins Footprint Number 169</p> <p>13 x 13 rows</p>	<p>169 Pins Footprint Number 169-1</p> <p>17 x 17 rows</p>	<p>171 Pins Footprint Number 171</p> <p>14 x 14 rows</p>	<p>172 Pins Footprint Number 172</p> <p>16 x 16 rows</p>

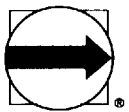
* Not Currently Available in Molded Body.
For Ordering Information See Page 78 - 88. For cutout window consult factory.

inch/(mm)

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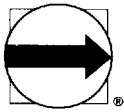
PIN GRID ARRAY



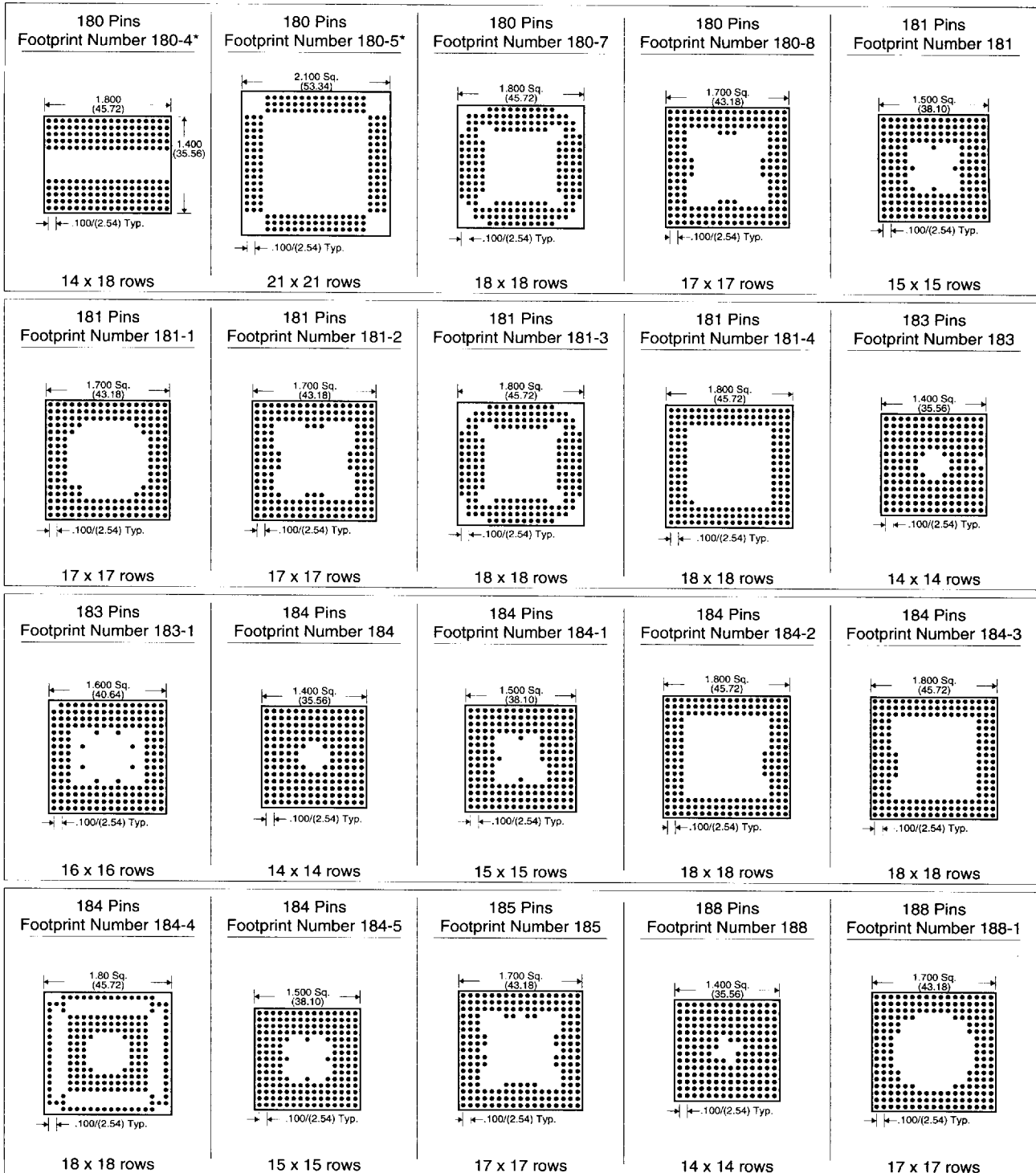
PGA Socket and Adapter Footprints

<p>172 Pins Footprint Number 172-1</p> <p>15 x 15 rows</p>	<p>172 Pins Footprint Number 172-3</p> <p>18 x 18 rows</p>	<p>173 Pins Footprint Number 173</p> <p>16 x 16 rows</p>	<p>173 Pins Footprint Number 173-1</p> <p>16 x 16 rows</p>	<p>173 Pins Footprint Number 173-2</p> <p>17 x 17 rows</p>
<p>175 Pins Footprint Number 175</p> <p>14 x 14 rows</p>	<p>175 Pins Footprint Number 175-3</p> <p>15 x 15 rows</p>	<p>175 Pins Footprint Number 175-4</p> <p>16 x 16 rows</p>	<p>175 Pins Footprint Number 175-5</p> <p>16 x 16 rows</p>	<p>176 Pins Footprint Number 176</p> <p>15 x 15 rows</p>
<p>176 Pins Footprint Number 176-1</p> <p>16 x 16 rows</p>	<p>177 Pins Footprint Number 177</p> <p>15 x 15 rows</p>	<p>179 Pins Footprint Number 179</p> <p>15 x 15 rows</p>	<p>179 Pins Footprint Number 179-1</p> <p>14 x 14 rows</p>	<p>179 Pins Footprint Number 179-2</p> <p>18 x 18 rows</p>
<p>179 Pins Footprint Number 179-3</p> <p>18 x 18 rows</p>	<p>180 Pins Footprint Number 180</p> <p>14 x 14 rows</p>	<p>180 Pins Footprint Number 180-1</p> <p>15 x 15 rows</p>	<p>180 Pins Footprint Number 180-2</p> <p>15 x 15 rows</p>	<p>180 Pins Footprint Number 180-3</p> <p>18 x 18 rows</p>

* Not Currently Available in Molded Body.
For Ordering Information See Page 78 - 88. For cutout window consult factory.



PGA Socket and Adapter Footprints



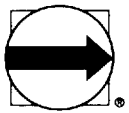
* Not Currently Available in Molded Body.
For Ordering Information See Page 78 - 88. For cutout window consult factory.

inch/(mm)

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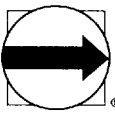
Pin Grid Array



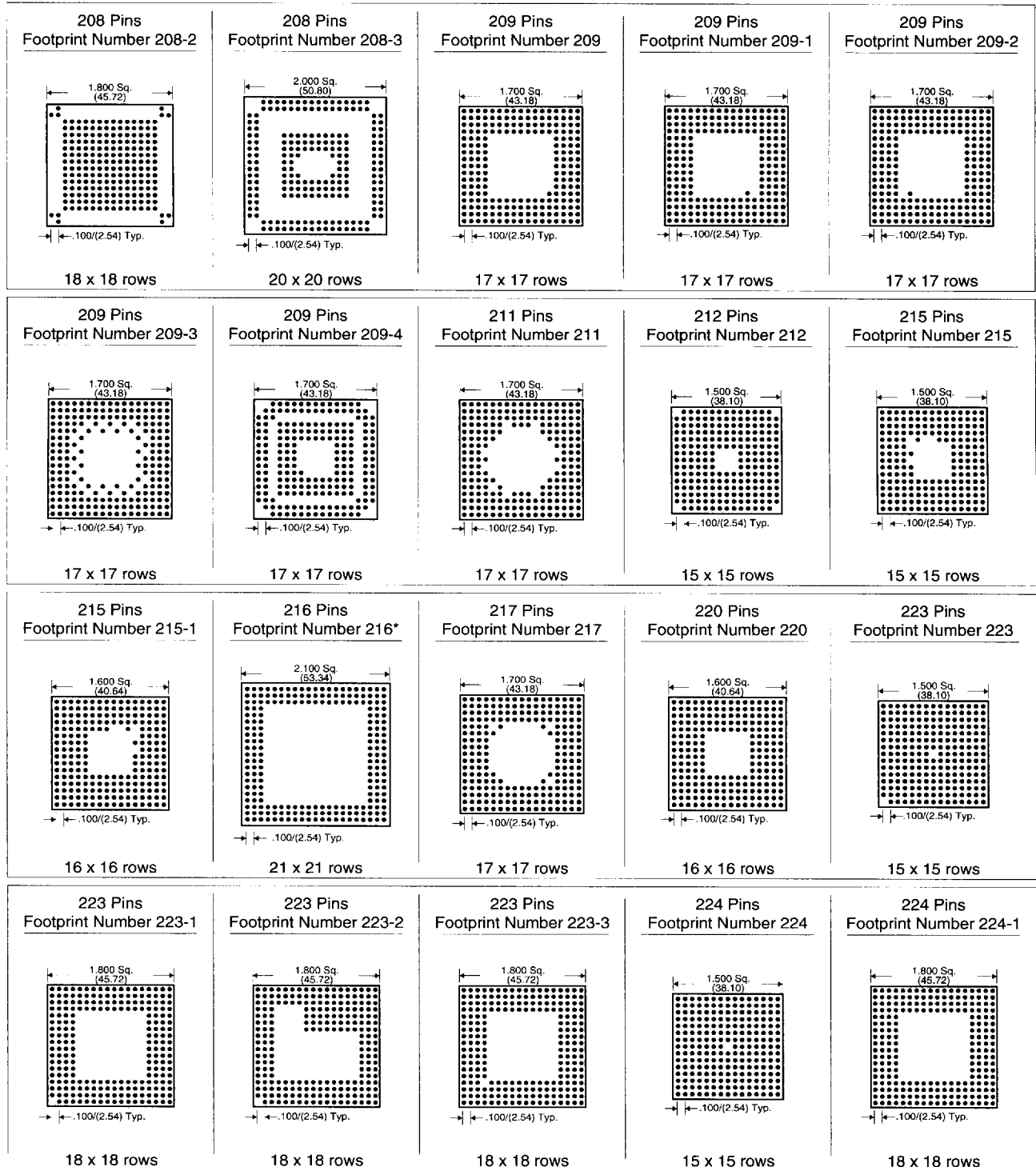
PGA Socket and Adapter Footprints

<p>188 Pins Footprint Number 188-2</p> <p>17 x 17 rows</p>	<p>189 Pins Footprint Number 189</p> <p>15 x 15 rows</p>	<p>190 Pins Footprint Number 190</p> <p>15 x 15 rows</p>	<p>191 Pins Footprint Number 191</p> <p>18 x 18 rows</p>	<p>192 Pins Footprint Number 192</p> <p>17 x 17 rows</p>
<p>192 Pins Footprint Number 192-1</p> <p>14 x 14 rows</p>	<p>193 Pins Footprint Number 193</p> <p>19 x 19 rows</p>	<p>195 Pins Footprint Number 195</p> <p>16 x 16 rows</p>	<p>196 Pins Footprint Number 196</p> <p>14 x 14 rows</p>	<p>196 Pins Footprint Number 196-1</p> <p>19 x 19 rows</p>
<p>196 Pins Footprint Number 196-2</p> <p>17 x 17 rows</p>	<p>197 Pins Footprint Number 197</p> <p>19 x 19 rows</p>	<p>200 Pins Footprint Number 200</p> <p>15 x 15 rows</p>	<p>202 Pins Footprint Number 202</p> <p>17 x 17 rows</p>	<p>204 Pins Footprint Number 204</p> <p>15 x 15 rows</p>
<p>204 Pins Footprint Number 204-1</p> <p>17 x 17 rows</p>	<p>206 Pins Footprint Number 206</p> <p>18 x 18 rows</p>	<p>207 Pins Footprint Number 207</p> <p>17 x 17 rows</p>	<p>208 Pins Footprint Number 208</p> <p>17 x 17 rows</p>	<p>208 Pins Footprint Number 208-1</p> <p>17 x 17 rows</p>

* Not Currently Available in Molded Body.
For Ordering Information See Page 78 - 88. For cutout window consult factory.



PGA Socket and Adapter Footprints



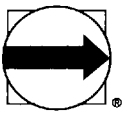
* Not Currently Available in Molded Body.

For Ordering Information See Page 78 - 88. For cutout window consult factory.

inch/(mm)

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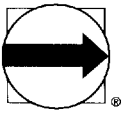
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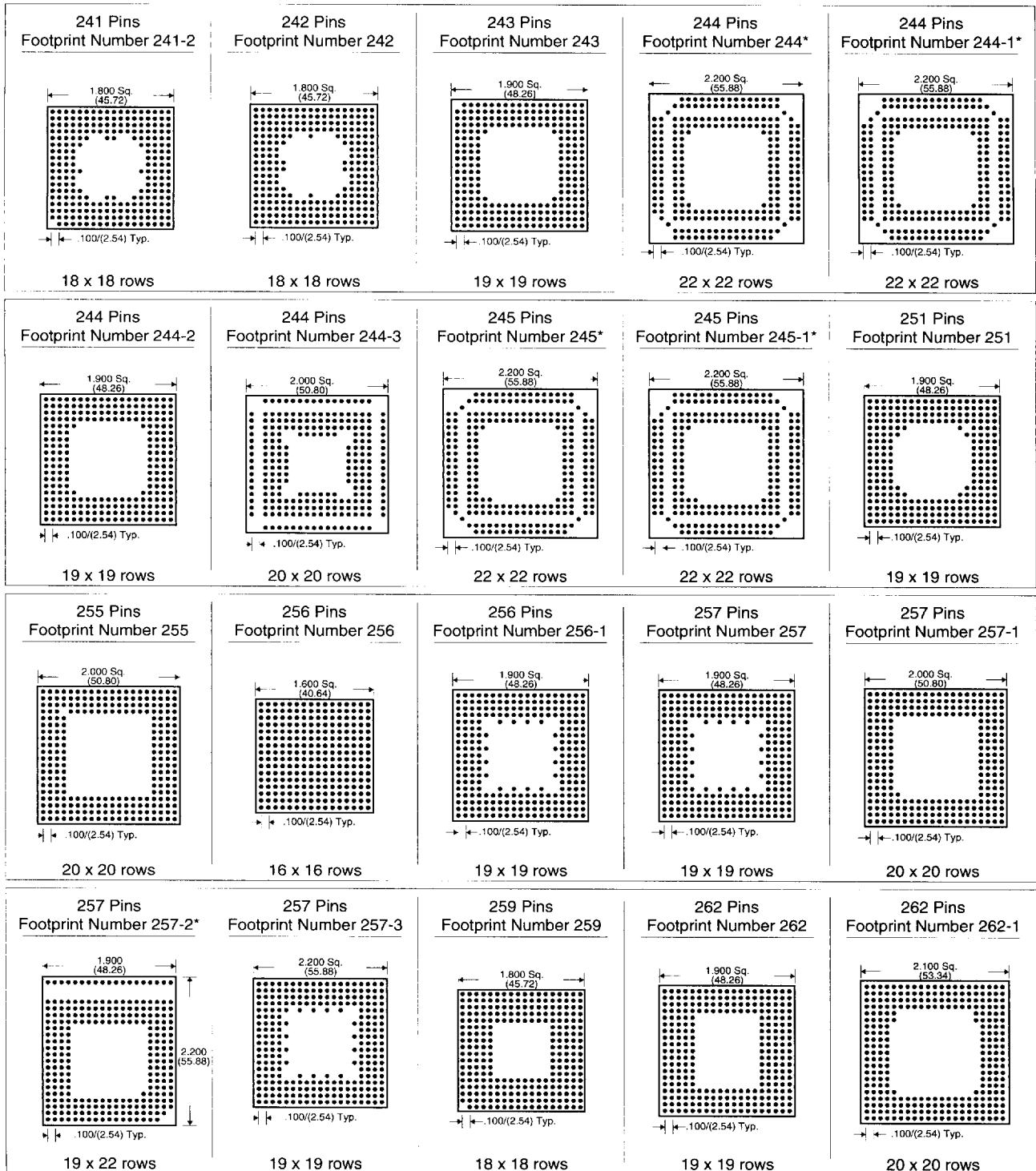
PGA Socket and Adapter Footprints

<p>224 Pins Footprint Number 224-2</p> <p>15 x 15 rows</p>	<p>224 Pins Footprint Number 224-3</p> <p>17 x 17 rows</p>	<p>225 Pins Footprint Number 225</p> <p>18 x 18 rows</p>	<p>225 Pins Footprint Number 225-1</p> <p>15 x 15 rows</p>	<p>225 Pins Footprint Number 225-2</p> <p>17 x 17 rows</p>
<p>228 Pins Footprint Number 228-1</p> <p>18 x 18 rows</p>	<p>229 Pins Footprint Number 229*</p> <p>21 x 21 rows</p>	<p>229 Pins Footprint Number 229-1</p> <p>19 x 19 rows</p>	<p>230 Pins Footprint Number 230</p> <p>17 x 17 rows</p>	<p>232 Pins Footprint Number 232</p> <p>17 x 17 rows</p>
<p>233 Pins Footprint Number 233</p> <p>17 x 17 rows</p>	<p>235 Pins Footprint Number 235</p> <p>18 x 18 rows</p>	<p>237 Pins Footprint Number 237</p> <p>17 x 17 rows</p>	<p>237 Pins Footprint Number 237-1</p> <p>19 x 19 rows</p>	<p>238 Pins Footprint Number 238</p> <p>19 x 19 rows</p>
<p>239 Pins Footprint Number 239</p> <p>19 x 19 rows</p>	<p>240 Pins Footprint Number 240</p> <p>17 x 17 rows</p>	<p>240 Pins Footprint Number 240-1*</p> <p>22 x 22 rows</p>	<p>241 Pins Footprint Number 241</p> <p>19 x 19 rows</p>	<p>241 Pins Footprint Number 241-1</p> <p>18 x 18 rows</p>

* Not Currently Available in Molded Body.
For Ordering Information See Page 78 - 88. For cutout window consult factory.



PGA Socket and Adapter Footprints



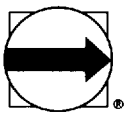
* Not Currently Available in Molded Body.
For Ordering Information See Page 78 - 88. For cutout window consult factory.

inch/(mm)

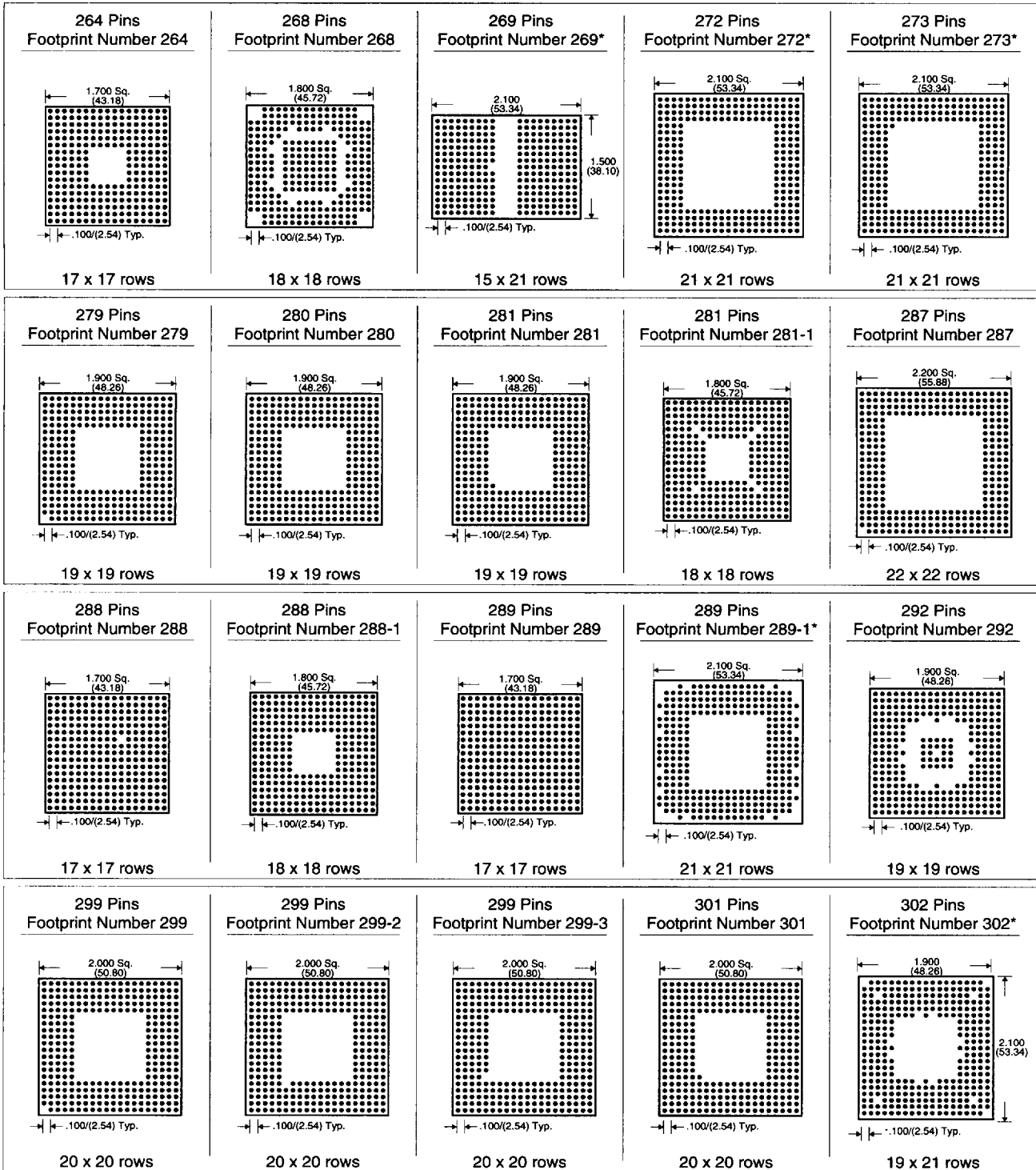
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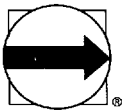
PIN GRID ARRAY



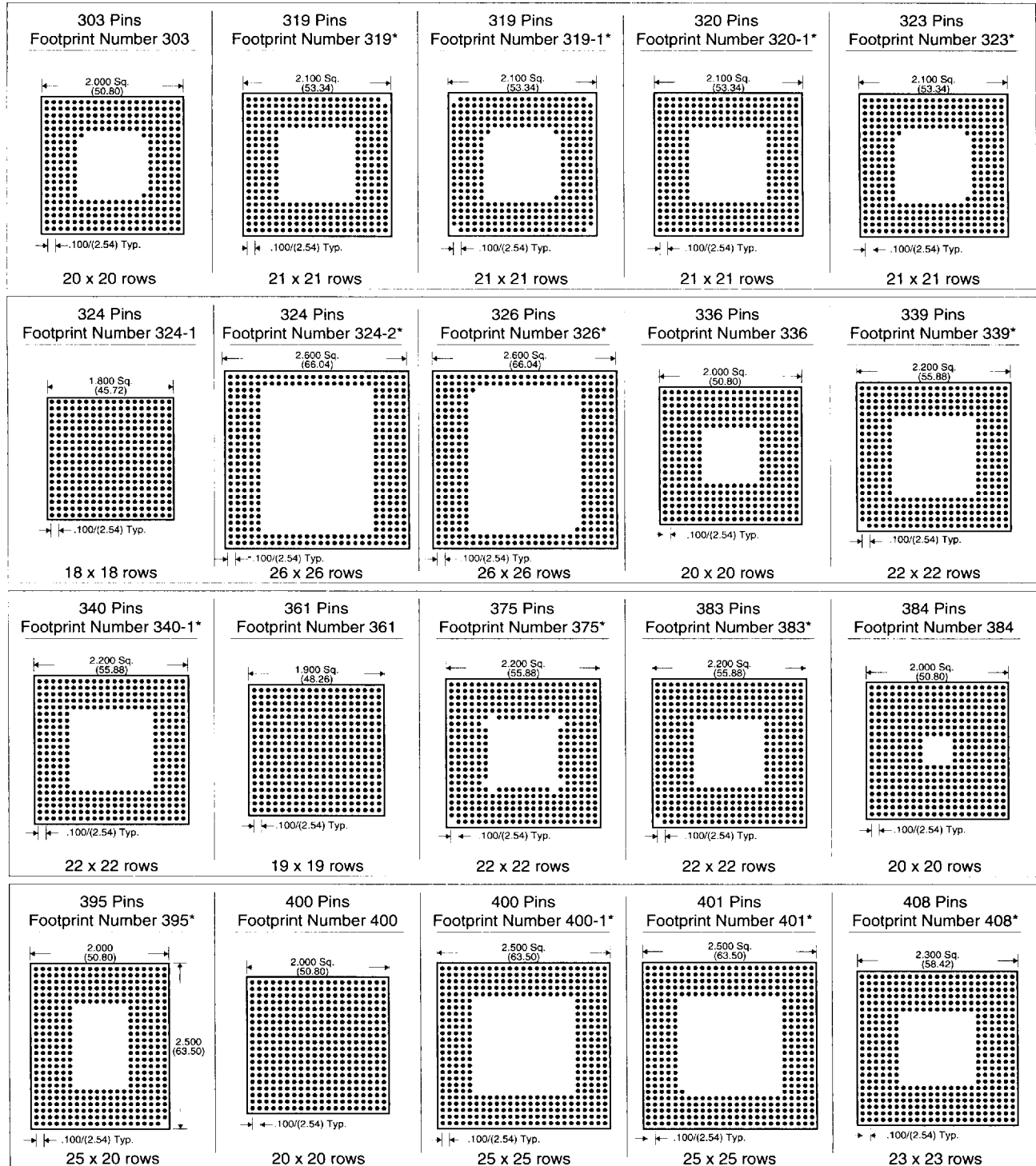
PGA Socket and Adapter Footprints



* Not Currently Available in Molded Body.
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PGA Socket and Adapter Footprints



* Not Currently Available in Molded Body.

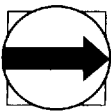
For Ordering Information See Page 78 - 88. For cutout window consult factory.

inch/(mm)

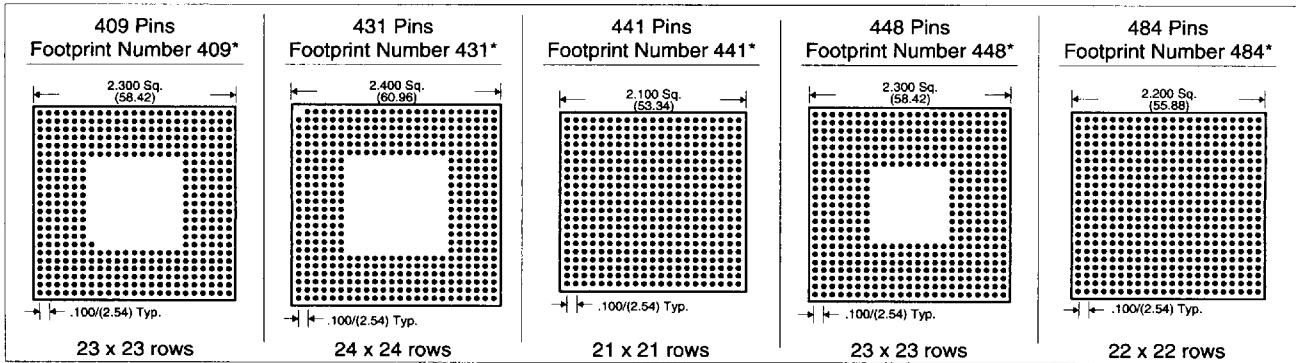
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Pin Grid Array



PGA Socket and Adapter Footprints



* Not Currently Available in Molded Body.

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