### Core Assembly PN Builder

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Cable Code</th>
<th>Conn 2 Strain Relief</th>
<th># of Rows</th>
<th>Conn1 Type</th>
<th># of Ch per row</th>
<th>Conn1 Orientation</th>
<th>Conn2 Type</th>
<th>Conn2 Orientation</th>
<th>Conn2 Gender</th>
<th>Length in cm</th>
<th>Phase Matching (pairs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TM</td>
<td>4S</td>
<td>Standard 047</td>
<td>Single Row</td>
<td>GD</td>
<td>Single Position</td>
<td>Straight</td>
<td>SWA</td>
<td>M</td>
<td>Male</td>
<td>2 or 3-Digit cm</td>
<td>+/- 2ps</td>
</tr>
<tr>
<td></td>
<td>7S</td>
<td>Standard 079</td>
<td>Heatshrink Short</td>
<td>GM</td>
<td>2 Channel per row</td>
<td>Rugged Straight</td>
<td>2.40mm</td>
<td>F</td>
<td>Female</td>
<td></td>
<td>-/+ 1ps</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>Heatshrink Large</td>
<td>Double Row</td>
<td>S</td>
<td>4 Channel per row</td>
<td>3.5mm</td>
<td>1.85mm</td>
<td>E</td>
<td>+/0.5ps</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6 Channel per row</td>
<td>2.92mm</td>
<td>4.00mm</td>
<td></td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8 Channel per row</td>
<td>3.5mm</td>
<td>2.92mm</td>
<td></td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10 Channel per row</td>
<td>1.85mm</td>
<td>4.00mm</td>
<td></td>
<td>E</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**For Example:**

**TM7S5GM8S8FS31D** is a 31 cm Standard Straight Single Row 8 Channel CoreGD (0.079 Inch Coax) Cable Assembly with 2.5mm channel to channel pitch; 1.85mm Female Straight RF Connectors on Cable Side; All Channels are phase matched to +/- 1ps.

```
Prefix
4S Standard 047
7S Standard 079
L Heatshrink Large
D Double Row
S Single Row
GM CoreGD SSMP
H4 CoreHC 4mm
H2 CoreHC 2.5mm

Cable Code
4S Standard 047
7S Standard 079

# of Ch per row
1 Single Position
2 2 Channel per row
3 4 Channel per row
4 6 Channel per row
5 8 Channel per row
6 10 Channel per row

Conn1 Orientation
S Straight
R Rugged Straight

Conn2 Type
S SMA
M SMP
P SMPM
GM CoreGD SSMP
H4 CoreHC 4mm
H2 CoreHC 2.5mm

Conn2 Gender
M Male
F Female

Length in cm
2 or 3-Digit cm

Phase Matching
Null: +/- 2ps
D: +/- 1ps
E: +/- 0.5ps
```
### Core PCB Connector PN Builder

<table>
<thead>
<tr>
<th>&quot;TM&quot; Prefix</th>
<th>Cable Code</th>
<th># of Rows</th>
<th>Conn1 Type</th>
<th>Conn1 Type</th>
<th># of CH per row</th>
<th>Gold Plating Thickness (Body)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TM</td>
<td>B</td>
<td>S</td>
<td>V</td>
<td>GM</td>
<td>2</td>
<td>30 30 microinches Gold</td>
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<tr>
<td></td>
<td>B</td>
<td>PCB Connector</td>
<td>S</td>
<td>Single Row</td>
<td>V</td>
<td>Vertical Launch</td>
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<tr>
<td></td>
<td>D</td>
<td>Double Row</td>
<td>E</td>
<td>Edge Launch</td>
<td>GM</td>
<td>CoreGD SSMP</td>
</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td>1</td>
<td>1 Position</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>2 Position</td>
</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>4 Position</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>6</td>
<td>6 Position</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td>8 Position</td>
</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>10</td>
<td>10 Position</td>
</tr>
</tbody>
</table>

**For Example:** **TMBSVGM230** is a Single Row 2 Position Vertical Mount CoreGD SSMP Connector with 30 Micro Inches of Gold Plating