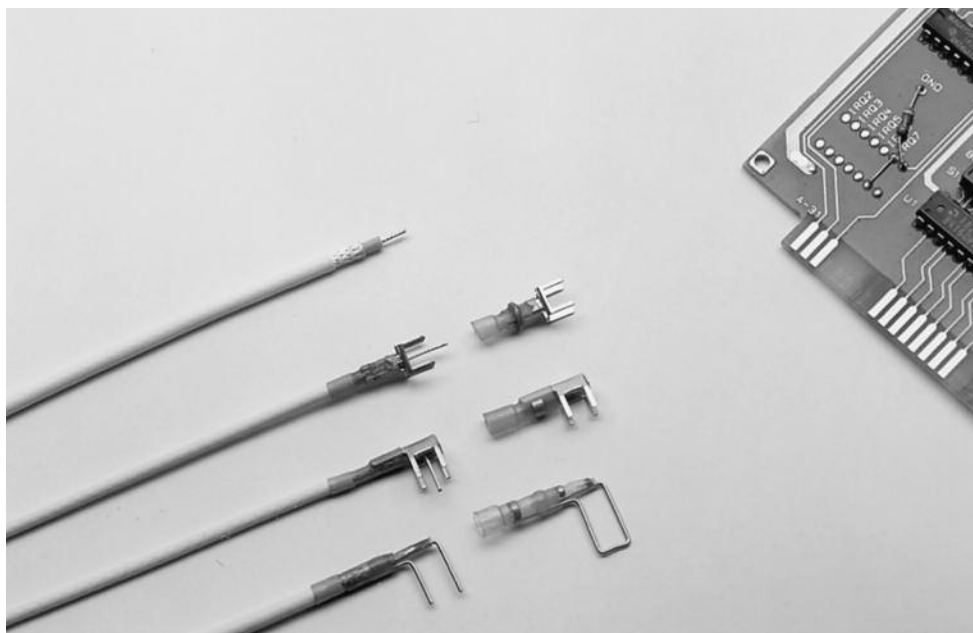


## SolderSleeve PCB/Coaxial Cable Terminators

### Product Facts

- Provides a completely shielded, low-resistance, matched-impedance termination with very low VSWR (D-607 series only)
- Transparent polyvinylidene fluoride insulation sleeve provides encapsulation, inspectability, strain relief, and insulation
- Prefluxed solder preform provides a controlled soldering process
- One-piece design offers easy installation and lower installed cost
- Preinstalled PCB termination body provides convenience and ease of installation



### Applications

Used for terminating coaxial cable to printed circuit boards.

### Installation

For proper installation of these devices, the correct heating tool and reflector attachment must be used. Any one of the following TE heating tools is recommended:

- HL1910E/HL2010E
- AA-400 Super Heater
- IR-1759 MiniRay
- CV-1981

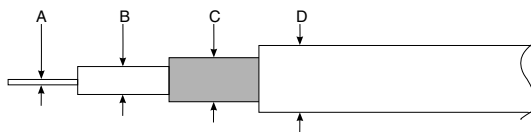
Refer to TE installation procedure ES-61139 for detailed instructions and recommended reflector attachments.

You will find ordering information for these tools in Section 10.

### Product Selection Process

1. Select product series from the Product Options table below.
  2. Determine cable RG number or outside diameter dimensions.
  3. Select the appropriate part number from Table A (D-607 series) or Table B (B-046 series).
- For D-607 (matched impedance) series, determine straight or right-angle entry to PCB and grid pattern, then select the appropriate part number from Table A on the next page.
  - For B-046 (PinPak, or pin to ground) series, determine hole spacing and diameter. Refer to Table B for product selection (see illustration below for cable dimensions).

Available in:	
Americas	■
Europe	■
Asia Pacific	■



### Product Options

Product Series	Typical Application Performance	Shield Method	Part No. Selection Table
D-607	Matched impedance up to 2.3 GHz	Metal body	A
B-046	Effective transmission up to 100 MHz	Pin to ground	B

## SolderSleeve PCB/Coaxial Cable Terminators (Continued)

### Specifications/Approvals

Series	TE
D-607	RT-1404
B-046	RT-1404

**Table A. D-607 Series  
Part Numbers**

RG Cable No.	Cable Dimensions (mm/in) Max. Outside Diameter			Part No. Entry to PCB		
	Jacket	Shield	Dielectric	Straight grid 5.08 [.200]	Right-Angle Grid 5.08 [.200]	Straight Grid 2.54 [.100]
174, 178, 179, 316, 404	1.5–3.55 [.060–.140]	1.1–3.15 [.045–.125]	0.60–2.25 [.025–.090]	D-607-09	D-607-10	D-607-40*

**Table B. B-046 Series  
Part Numbers**

RG Cable No.	Cable Dimensions				Pin Diameter	Spacing Between Pins 2.54 [.100]	Part No.	
	A	B	C	D Max.			5.08 [.200]	6.35 [.250]
178, 404	0.30–0.80 [.011–.032]	0.5–1.7 [.019–.067]	1.3–2.3 [.050–.091]	3.4 [.134]	0.6 [.023]	B-046-14-N	B-046-10-N	B-046-12-N
					0.8 [.031]		B-046-11-N	B-046-13-N
179, 316	0.3–1.6 [.011–.063]	1.2–2.5 [.047–.100]	1.5–2.8 [.060–.110]	4.4 [.173]	0.6 [.023]	B-046-15-N	B-046-66-N	B-046-16-N
					0.8 [.031]		B-046-68-N	B-046-18-N

### Product Characteristics

Material		
Insulation	Radiation-crosslinked, heat-shrinkable polyvinylidene fluoride	
Solder and flux	Solder: Sn63 Pb37	Flux: ROL1 per ANSI - J - 004 (RMA flux)
Termination body/pin	Copper alloy, solder-plated	
Typical Performance		
Voltage drop	2.0 mV	
Tensile strength	Exceeds strength of conductor	
Dielectric strength	2.0 kV	
Temperature rating	-55°C to 150°C [-67°F to 302°F]	
Insulation resistance	1000 megohms	
Electrical Performance (typical) D-607 Series Only		
Frequency	VSWR (D-607-09, -40)	VSWR (D-607-10)
350 MHz	1.04 max.	1.04 max.
700 MHz	1.05 max.	1.09 max.
2.3 GHz	1.09 max.	1.12 max.