



## General Information

<b>Kit Part Number:</b>	<a href="#">3-2110838-2</a>
<b>Description:</b>	Deluxe Pre-Insulated Short and Long Spring Spade Tongue Terminals with Crimp Tool Kit
<b>Application:</b>	Aerospace/Defense Equipment and Systems, Appliance Industries, Electrical/Electronic Components, Heavy Equipment, HVAC Systems, Industrial, Instrumentation and Controls, Power Supplies
<b>Family:</b>	PIDG
<b>TE Brand:</b>	AMP Products
<b>None:</b>	With Tool
<b>Solution:</b>	MRO (Maintenance, Repair and Operation)
<b>Product Type:</b>	Terminals & Splices
<b>Number of Pieces:</b>	241
<b>RoHS:</b>	Yes

## Specifications

<b>Body and Plating:</b>	Tin Plated, Phosphor Bronze
<b>Insulation:</b>	Nylon
<b>Receptacle Style:</b>	Straight
<b>Stud/Tab Size:</b>	1/4", 4, 6, 8, 10
<b>Temperature Rating:</b>	105 Degrees C (Max)
<b>Terminal Type:</b>	Short Spring Spade Tongue, Long Spring Spade Tongue
<b>Tool Included:</b>	Yes
<b>Voltage Rating:</b>	300V
<b>Wire Gauge (AWG):</b>	12-10, 16-14 , 22-16

## Product Highlights

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PIDG products are a pre-insulated terminal designed for complete and uniform reliability in the most difficult circuit environments. PIDG terminals consist of tin plated copper or tin plated phosphor bronze body for spring spades with a copper sleeve and insulation sleeve fitted over terminal barrel. Design of the crimping dies and construction of the terminal allows for uniform insulation thickness under crimping pressure, transmitting this pressure evenly to the center of the crimp area. This produces a crimp for a given wire and terminal that are alike in appearance and performance. The tensile strength approaches that of the wire itself. PIDG products are available as rings, spades, flanged spaded, slotted rings, splices and several other varieties. Wire ranges for the terminals and splices are 26 AWG through 10 AWG and stud sizes from #2 through 3/4".

### Features and Benefits

- Nylon insulation is resistant to hydrocarbons (greases, oils, etc.) and has high dielectric strength
- Copper sleeve between insulation and terminal body provides excellent wire support after crimping
- Funneled wire entry on terminal prevents turned back wire strands and permits rapid wire insertion during high speed production
- Product is rated for use up to 105 degrees C and 300 Volts
- Serrations in the crimp barrel provide maximum contact and tensile strength after crimping
- Insulation is UL 94V-2 rated

### Applications

- Electrical / Electronic Components
- Industrial



- Aerospace
- Instrumentation
- HVAC
- Appliances
- Heavy Equipment
- Power Supplies



**Bill of Materials**

Part No.	Qty In Kit	Description	Datasheet	P/N Details	Search Distributors Inventory
<a href="#">52929</a>	10	Short Spring Spade, AWG 22-16 Stud 6		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52927</a>	10	Short Spring Spade, AWG 22-16 Stud 4		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52930</a>	10	Short Spring Spade, AWG 22-16 Stud 8		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52931</a>	10	Short Spring Spade, AWG 22-16 Stud 10		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52935</a>	10	Short Spring Spade, AWG 16-14 Stud 6		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52936-2</a>	10	Short Spring Spade, AWG 16-14 Stud 8		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52937-2</a>	10	Short Spring Spade, AWG 16-14 Stud 10		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52939</a>	10	Short Spring Spade, AWG 16-14 Stud 1/4		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52942</a>	10	Short Spring Spade, AWG 12-10 Stud 8		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52943</a>	10	Short Spring Spade, AWG 12-10 Stud 10		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52945</a>	10	Short Spring Spade, AWG 12-10 Stud 1/4		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52941</a>	10	Short Spring Spade, AWG 12-10 Stud 6		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52408</a>	10	Long Spring Spade, AWG 22-16 Stud 4		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52409-2</a>	10	Long Spring Spade, AWG 22-16 Stud 6		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52410</a>	10	Long Spring Spade, AWG 22-16 Stud 8		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52411</a>	10	Long Spring Spade, AWG 22-16 Stud 10		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52420</a>	20	Long Spring Spade, AWG 16-14 Stud 6		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52421</a>	10	Long Spring Spade, AWG 16-14 Stud 8		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52422-1</a>	10	Long Spring Spade, AWG 16-14 Stud 10		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52430</a>	10	Long Spring Spade, AWG 12-10 Stud 6		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52431-1</a>	10	Long Spring Spade, AWG 12-10 Stud 8		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52432-1</a>	10	Long Spring Spade, AWG 12-10 Stud 10		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">52433-1</a>	10	Long Spring Spade, AWG 12-10 Stud 1/4		<a href="#">Details</a>	<a href="#">Search</a>
<a href="#">58433-3</a>	1	Pro Crimper RBY Tool (Red, Blue, Yellow)	<a href="#">Datasheet</a>	<a href="#">Details</a>	<a href="#">Search</a>

**Recommended Tool**

Part No.	Included in Kit
<a href="#">58433-3</a>	Yes





Part No. **3-2110838-2**

**Bill of Materials**

TE Part No. Qty. in Location Description TE Part No. Qty. in Location Description

3296-2	11	1	Short Spring Leads, AWG 18-14 Steel	3299	30	23	Short Spring Leads, AWG 18-14 Steel
3296-3	11	2	Short Spring Leads, AWG 18-14 Steel	3299-6	3	24	Pre-Crimped Spring Leads, AWG 18-14 Steel
3297	11	3	Short Spring Leads, AWG 20-18 Steel				
3298	11	4	Short Spring Leads, AWG 20-18 Steel				
3299	30	1	Short Spring Leads, AWG 20-18 Steel				
3299-6	30	1	Short Spring Leads, AWG 20-18 Steel				
3299-7	30	2	Short Spring Leads, AWG 20-18 Steel				
3299-8	30	3	Short Spring Leads, AWG 20-18 Steel				
3299-9	30	4	Short Spring Leads, AWG 20-18 Steel				
3299-10	30	5	Short Spring Leads, AWG 20-18 Steel				
3299-11	30	6	Short Spring Leads, AWG 20-18 Steel				
3299-12	30	7	Short Spring Leads, AWG 20-18 Steel				
3299-13	30	8	Short Spring Leads, AWG 20-18 Steel				
3299-14	30	9	Short Spring Leads, AWG 20-18 Steel				
3299-15	30	10	Short Spring Leads, AWG 20-18 Steel				
3299-16	30	11	Short Spring Leads, AWG 20-18 Steel				
3299-17	30	12	Short Spring Leads, AWG 20-18 Steel				
3299-18	30	13	Short Spring Leads, AWG 20-18 Steel				
3299-19	30	14	Short Spring Leads, AWG 20-18 Steel				
3299-20	30	15	Short Spring Leads, AWG 20-18 Steel				
3299-21	30	16	Short Spring Leads, AWG 20-18 Steel				
3299-22	30	17	Short Spring Leads, AWG 20-18 Steel				
3299-23	30	18	Short Spring Leads, AWG 20-18 Steel				
3299-24	30	19	Short Spring Leads, AWG 20-18 Steel				
3299-25	30	20	Short Spring Leads, AWG 20-18 Steel				
3299-26	30	21	Short Spring Leads, AWG 20-18 Steel				
3299-27	30	22	Short Spring Leads, AWG 20-18 Steel				
3299-28	30	23	Short Spring Leads, AWG 20-18 Steel				
3299-29	30	24	Short Spring Leads, AWG 20-18 Steel				
3299-30	30	25	Short Spring Leads, AWG 20-18 Steel				

Additional kits available at [www.products.kits.com](http://www.products.kits.com) or contact a TE Connectivity authorized distributor

Assembled in Mexico from parts in the USA





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