



General Information

Kit Part Number:	3-2110838-2
Description:	Deluxe Pre-Insulated Short and Long Spring Spade Tongue Terminals with Crimp Tool Kit
Application:	Aerospace/Defense Equipment and Systems, Appliance Industries, Electrical/Electronic Components, Heavy Equipment, HVAC Systems, Industrial, Instrumentation and Controls, Power Supplies
Family:	PIDG
TE Brand:	AMP Products
Solution:	MRO (Maintenance, Repair and Operation)
Product Type:	Terminals & Splices
Number of Pieces:	241
RoHS:	Yes

Specifications

Body and Plating:	Tin Plated, Phosphor Bronze
Insulation:	Nylon
Receptacle Style:	Straight
Stud/Tab Size:	1/4", 4, 6, 8, 10
Temperature Rating:	105 Degrees C (Max)
Terminal Type:	Short Spring Spade Tongue, Long Spring Spade Tongue
Tool Included:	Yes
Voltage Rating:	300V
Wire Gauge (AWG):	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
52929	10	Short Spring Spade, AWG 22-16 Stud 6		Details	Search
52927	10	Short Spring Spade, AWG 22-16 Stud 4		Details	Search
52930	10	Short Spring Spade, AWG 22-16 Stud 8		Details	Search
52931	10	Short Spring Spade, AWG 22-16 Stud 10		Details	Search
52935	10	Short Spring Spade, AWG 16-14 Stud 6		Details	Search
52936-2	10	Short Spring Spade, AWG 16-14 Stud 8		Details	Search
52937-2	10	Short Spring Spade, AWG 16-14 Stud 10		Details	Search
52939	10	Short Spring Spade, AWG 16-14 Stud 1/4		Details	Search
52942	10	Short Spring Spade, AWG 12-10 Stud 8		Details	Search
52943	10	Short Spring Spade, AWG 12-10 Stud 10		Details	Search
52945	10	Short Spring Spade, AWG 12-10 Stud 1/4		Details	Search
52941	10	Short Spring Spade, AWG 12-10 Stud 6		Details	Search
52408	10	Long Spring Spade, AWG 22-16 Stud 4		Details	Search
52409-2	10	Long Spring Spade, AWG 22-16 Stud 6		Details	Search
52410	10	Long Spring Spade, AWG 22-16 Stud 8		Details	Search
52411	10	Long Spring Spade, AWG 22-16 Stud 10		Details	Search
52420	20	Long Spring Spade, AWG 16-14 Stud 6		Details	Search
52421	10	Long Spring Spade, AWG 16-14 Stud 8		Details	Search
52422-1	10	Long Spring Spade, AWG 16-14 Stud 10		Details	Search
52430	10	Long Spring Spade, AWG 12-10 Stud 6		Details	Search
52431-1	10	Long Spring Spade, AWG 12-10 Stud 8		Details	Search
52432-1	10	Long Spring Spade, AWG 12-10 Stud 10		Details	Search
52433-1	10	Long Spring Spade, AWG 12-10 Stud 1/4		Details	Search
58433-3	1	Pro Crimper RBY Tool (Red, Blue, Yellow)	Datasheet	Details	Search

Recommended Tool

Part No.	Included in Kit
58433-3	Yes





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

TE Connectivity Terminals and Splices Category

BILL OF MATERIALS

To view the BOM, please visit www.products.kit.com/kit/3-2110838-2

Kit Part No.	Qty. in Kit	Location	Description	TE Part No.	Qty. in Location	Estimation
3296-2	11	1	Short Spring Leads, AWG 18-14 Steel	3296	30	11
3296-3	11	2	Short Spring Leads, AWG 18-14 Steel	3296	30	11
3296-4	11	3	Short Spring Leads, AWG 20-16 Steel	3296	30	11
3296-5	11	4	Short Spring Leads, AWG 20-16 Steel	3296	30	11
3296-6	11	5	Short Spring Leads, AWG 20-16 Steel	3296	30	11
3296-7	11	6	Short Spring Leads, AWG 20-16 Steel	3296	30	11
3296-8	11	7	Short Spring Leads, AWG 20-16 Steel	3296	30	11
3296-9	11	8	Short Spring Leads, AWG 20-16 Steel	3296	30	11
3296-10	11	9	Short Spring Leads, AWG 20-16 Steel	3296	30	11
3296-11	11	10	Short Spring Leads, AWG 20-16 Steel	3296	30	11
3296-12	11	11	Short Spring Leads, AWG 20-16 Steel	3296	30	11
3296-13	11	12	Short Spring Leads, AWG 20-16 Steel	3296	30	11
3296-14	11	13	Short Spring Leads, AWG 20-16 Steel	3296	30	11
3296-15	11	14	Long Spring Leads, AWG 18-14 Steel	3296	30	11
3296-16	11	15	Long Spring Leads, AWG 18-14 Steel	3296	30	11
3296-17	11	16	Long Spring Leads, AWG 18-14 Steel	3296	30	11
3296-18	11	17	Long Spring Leads, AWG 18-14 Steel	3296	30	11
3296-19	11	18	Long Spring Leads, AWG 18-14 Steel	3296	30	11
3296-20	11	19	Long Spring Leads, AWG 18-14 Steel	3296	30	11
3296-21	11	20	Long Spring Leads, AWG 18-14 Steel	3296	30	11
3296-22	11	21	Long Spring Leads, AWG 18-14 Steel	3296	30	11
3296-23	11	22	Long Spring Leads, AWG 18-14 Steel	3296	30	11

1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32	33	34	35	36

Bill Diagram
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Additional kits available at www.products.kit.com or contact a TE Connectivity authorized distributor



