PIDG (Pre-Insulated Diamond Grip)

Product Facts

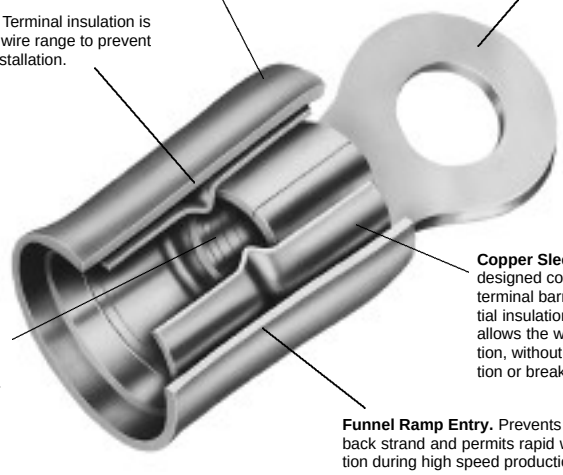
- Pre-insulated terminal designed for uniform reliability in most difficult circuit environments
- PIDG Terminals consist of tin plated copper or tin plated phosphor bronze body for spring spades with a copper sleeve and insulation sleeve fitted over terminal barrel
- Design of the tool dies and construction of the terminal allows for uniform insulation thickness under crimping pressure, transmitting this pressure evenly to the center of the crimp area

The AMP Mated Tool/Terminal Concept

- AMP compression crimping produces crimps for a given size wire and terminal that are alike in appearance and performance
- Terminal and crimping tool are designed as uniform matched devices
- Dies are precision-engineered from the finest hard-metal alloys
- Crimping pressure is controlled by a ratchet device on the hand tool or a corresponding pre-calibration in the crimping jaws of AMP automated crimping machines

The Crimp

- When done properly, crimping pressure can neither overstress nor understress the terminal barrel—machined dies fully bottom to the precise crimp height
- Resulting termination is free of contamination
- Resistant to shock and critical environments
- Tensile strength approaches that of the wire itself
- PIDG Terminals meet or exceed the requirements of MIL-T-7928, Type II, Class 1 and 2
- Refer to AMP Qualified Products for Military Application, Catalog 73-159 for Military Specification Number to AMP Part Number cross reference



Temperature Rating: 105°C Max.

Note: Over size expansions are provided in vinyl insulation only.

AMP PIDG Terminals (Use PIDG Tooling)

AMP Wire Range		Listed	LR7189 Certified
22-16	22-16 Solid or Stranded		
16-14	16-14 Solid or Stranded	300 V Max., 105°C. Max.[1]	
12-10	12-10 Solid or Stranded		

Note: 22-16 terminals are stamped 22-18 in accordance with MIL-T-7928.

[1]UL& CSA— Nylon

AMP PIDG Nylon Butt Window Splice (Use PIDG Tooling)

AMP Wire Range		Listed	LR7189 Certified
22-16	22-16 Stranded or Solid		
16-14	16-14 Stranded or Solid	300 V Max., 105°C. Max.	
12-10	12-10 Stranded or Solid		

Note: 22-16 splices are stamped 22-18 in accordance with MIL-T-7928.

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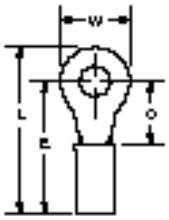
PIDG (Pre-Insulated Diamond Grip) (Continued)

Ring Tongue Terminals



Material

Insulation — Nylon, UL 94V-2
Terminal Body and Metallic Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545

Related Product Data

Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	C Min.	E Max.	L Max.	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Numbers Loose Piece	Part Numbers Tape Mounted
26-24 238-475 [0.12-0.24]	**.029** 0.74	2 M2	**.203** 5.16	**.211** 5.36	**.632** 16.05	**.739** 18.77	Yellow	**.105** 2.67	54310-1†	—
		4	**.203** 5.16	**.211** 5.36	**.632** 16.05	**.736** 18.69	Yellow	**.105** 2.67	52189†	—
		6 M3.5	**.250** 6.35	**.243** 6.17	**.664** 16.87	**.792** 20.12	Yellow	**.105** 2.67	53073†	—
		8 M4	**.281** 7.14	**.250** 6.35	**.671** 17.04	**.814** 20.68	Yellow	**.105** 2.67	54311-1†	—
		10	**.312** 7.92	**.281** 7.14	**.702** 17.83	**.868** 22.05	Yellow	**.105** 2.67	54312-1†	54312-2†
26-22 202-810 [0.10-0.41]	**.020** 0.51	0	**.140** 3.56	**.121** 3.07	**.452** 11.48	**.525** 13.34	Yellow	**.082** 2.08	321013	—
		2 M2	**.140** 3.56	**.121** 3.07	**.452** 11.48	**.525** 13.34	Yellow	**.082** 2.08	323912*	2-323912-1
			.140 3.56	**.211** 5.36	**.542** 13.77	**.615** 15.62	Yellow	**.082** 2.08	329951*	—
			.165 4.19	**.211** 5.36	**.542** 13.77	**.617** 15.67	Yellow/Br.	**.082** 2.08	321620*	1-321620-0
			.203 5.16	**.211** 5.36	**.542** 13.77	**.646** 16.41	Yellow	**.082** 2.08	323913	2-323913-1
		4	**.203** 5.16	**.211** 5.36	**.542** 13.77	**.646** 16.41	Yellow	**.082** 2.08	323914*	2-323914-1
		6 M3.5	**.198** 5.03	**.308** 7.82	**.643** 16.33	**.745** 18.92	Yellow	**.082** 2.08	321617	—
			.203 5.16	**.211** 5.36	**.542** 13.77	**.646** 16.41	Yellow	**.082** 2.08	323915*	2-323915-2
			.250 6.35	**.281** 7.14	**.612** 15.54	**.740** 18.80	Yellow	**.082** 2.08	326875*	2-326875-1
		8 M4	**.250** 6.35	**.281** 7.14	**.612** 15.54	**.740** 18.80	Yellow	**.082** 2.08	323916*	2-323916-1
			.300 7.62	**.281** 7.14	**.612** 15.54	**.765** 19.43	Yellow	**.082** 2.08	52124	52124-2
		10	**.250** 6.35	**.281** 7.14	**.612** 15.54	**.740** 18.80	Yellow	**.082** 2.08	324075*	2-324075-1
			.300 7.62	**.281** 7.14	**.612** 15.54	**.765** 19.43	Yellow	**.082** 2.08	52124-1	—
24-20 320-1,290 [0.16-0.65]	**.025** 0.64	0	**.160** 4.06	**.125** 3.18	**.506** 12.85	**.589** 14.96	Natural	**.100** 2.54	—	2-328489-1
		2 M2	**.160** 4.06	**.125** 3.18	**.506** 12.85	**.589** 14.96	Natural	**.100** 2.54	329636	2-329636-1
		4	**.203** 5.16	**.250** 6.35	**.631** 16.03	**.735** 18.67	Natural	**.100** 2.54	50534	—
			.281 7.14	**.250** 6.35	**.631** 16.03	**.774** 19.66	Natural	**.100** 2.54	323985	—
		6 M3.5	**.281** 7.14	**.250** 6.35	**.631** 16.03	**.774** 19.66	Natural	**.100** 2.54	323986	2-323986-1
		8 M4	**.312** 7.92	**.281** 7.14	**.662** 16.81	**.821** 20.85	Natural	**.100** 2.54	323989	1-323989-0
		10	**.312** 7.92	**.281** 7.14	**.662** 16.81	**.821** 20.85	Natural	**.100** 2.54	323990	2-323990-1

*Available in small packaging quantities.
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.
†Must be crimped with 22-18 or 22-16 PIDG (red) Tooling.

PIDG (Pre-Insulated Diamond Grip) (Continued)

Ring Tongue Terminals

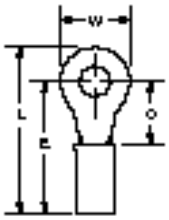
(Continued)

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	C Min.	E Max.	L Max.	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Numbers Loose Piece	Part Numbers Tape Mounted
22-16 509-3,260 [0.26-1.65]	**.033** 0.84	1	**.160** 4.06	**.156** 3.96	**.560** 14.22	**.643** 16.33	Red	**.125** 3.18	327174	2-327174-1
		2 M2	**.182** 4.62	**.172** 4.37	**.576** 14.63	**.669** 16.99	Red	**.125** 3.18	324158	2-324158-1
			.182 4.62	**.172** 4.37	**.576** 14.63	**.669** 16.99	Red	**.140** 3.56	320773	—
			.218 5.54	**.156** 3.96	**.560** 14.22	**.672** 17.07	Red	**.125** 3.18	328657*	2-328657-1
		4	**.182** 4.62	**.172** 4.37	**.576** 14.63	**.669** 16.99	Red/Green	**.125** 3.18	327654*	—
			.182 4.62	**.172** 4.37	**.576** 14.63	**.669** 16.99	Red	**.140** 3.56	320882*	2-320882-1
			.218 5.54	**.156** 3.96	**.560** 14.22	**.672** 17.07	Red	**.125** 3.18	320553*	2-320553-2
			.218 5.54	**.156** 3.96	**.560** 14.22	**.672** 17.07	Red	**.125** 3.18	36254[1]	
			.218 5.54	**.156** 3.96	**.560** 14.22	**.672** 17.07	Red	**.140** 3.56	31880*	2-31880-1
			.218 5.54	**.156** 3.96	**.560** 14.22	**.672** 17.07	Black	**.140** 3.56	35229	—
			.250 6.35	**.312** 7.92	**.716** 18.19	**.844** 21.44	Red	**.125** 3.18	323758	2-323758-1
			.250 6.35	**.312** 7.92	**.716** 18.19	**.844** 21.44	Red	**.140** 3.56	330648	2-330648-1
		6 M3.5	**.218** 5.54	**.156** 3.96	**.560** 14.22	**.672** 17.07	Red	**.125** 3.18	36149*	2-36149-2
			.218 5.54	**.156** 3.96	**.560** 14.22	**.672** 17.07	Red	**.140** 3.56	36150*	2-36150-1
			.250 6.35	**.250** 6.35	**.654** 16.61	**.782** 19.86	Red	**.125** 3.18	51863*	51863-1
			.281 7.14	**.250** 6.35	**.654** 16.61	**.797** 20.24	Red	**.125** 3.18	36151*	2-36151-2
			.281 7.14	**.250** 6.35	**.654** 16.61	**.797** 20.24	Red	**.140** 3.56	36152*	2-36152-1
			.312 7.92	**.281** 7.14	**.685** 17.40	**.844** 21.44	Red	**.125** 3.18	323008	2-323008-1
			.312 7.92	**.281** 7.14	**.685** 17.40	**.844** 21.44	Red	**.140** 3.56	326878	2-326878-1
		8 M4	**.281** 7.14	**.250** 6.35	**.654** 16.61	**.797** 20.24	Red	**.125** 3.18	320554*	2-320554-1
			.281 7.14	**.250** 6.35	**.654** 16.61	**.797** 20.24	Red	**.140** 3.56	31886*	2-31886-2
			.312 7.92	**.281** 7.14	**.685** 17.40	**.844** 21.44	Red	**.125** 3.18	320551*	1-320551-1
			.312 7.92	**.281** 7.14	**.685** 17.40	**.844** 21.44	Red	**.140** 3.56	31890*	2-31890-1
			.344 8.74	**.297** 7.54	**.701** 17.81	**.876** 22.25	Red	**.140** 3.56	32835	2-32835-2
		10	**.281** 7.14	**.250** 6.35	**.654** 16.61	**.797** 20.24	Red	**.125** 3.18	320552*	2-320552-1
			.281 7.14	**.250** 6.35	**.654** 16.61	**.797** 20.24	Red	**.140** 3.56	31887*	2-31887-1
			.312 7.92	**.281** 7.14	**.685** 17.40	**.844** 21.44	Red	**.125** 3.18	36153*	2-36153-2
			.312 7.92	**.281** 7.14	**.685** 17.40	**.844** 21.44	Red	**.140** 3.56	36154*	2-36154-2
			.344 8.74	**.297** 7.54	**.701** 17.81	**.876** 22.25	Red	**.125** 3.18	32836*	—
			.344 8.74	**.297** 7.54	**.701** 17.81	**.876** 22.25	Red	**.140** 3.56	32837*	32837-1

*Available in small packaging quantities.
[1]Slightly larger than standard #4 stud hole. (.128 in./3.25 mm.)
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

PIDG (Pre-Insulated Diamond Grip) (Continued)

Ring Tongue Terminals
(Continued)



Material

Insulation — Nylon, UL 94V-2
Terminal Body and Metallic Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545

Related Product Data

Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	C Min.	E Max.	L Max.	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Numbers Loose Piece	Part Numbers Tape Mounted
22-16 509-3,260 [0.26-1.65]	**.033** 0.84	1/4 M6	**.469** 11.91	**.437** 11.10	**.841** 21.36	**1.078** 27.38	Red	**.125** 3.18	320571*	2-320571-2
			.469 11.91	**.437** 11.10	**.841** 21.36	**1.078** 27.38	Black	**.125** 3.18	55936-1	55936-2
			.469 11.91	**.437** 11.10	**.841** 21.36	**1.078** 27.38	Red	**.140** 3.56	31894*	2-31894-2
		5/16 M8	**.469** 11.91	**.437** 11.10	**.841** 21.36	**1.078** 27.38	Red	**.125** 3.18	320572*	2-320572-1
			.469 11.91	**.437** 11.10	**.841** 21.36	**1.078** 27.38	Red	**.140** 3.56	31895*	2-31895-1
			.531 13.49	**.546** 13.87	**.950** 24.13	**1.218** 30.94	Red	**.125** 3.18	324123	—
		3/8	**.531** 13.49	**.546** 13.87	**.950** 24.13	**1.218** 30.94	Red	**.125** 3.18	320573*	2-320573-4
			.531 13.49	**.546** 13.87	**.950** 24.13	**1.218** 30.94	Red	**.140** 3.56	31897*	2-31897-2
			.656 16.66	**.437** 11.10	**.841** 21.36	**1.171** 29.74	Red	**.125** 3.18	321522	—
		1/2 M12	**.713** 18.11	**.530** 13.46	**.934** 23.72	**1.293** 32.84	Red	**.125** 3.18	328975*	—
20-16HD[1] 992-2,800 [0.50-1.42]	**.042** 1.07	10	**.469** 11.91	**.312** 7.92	**.718** 18.24	**.955** 24.26	Blue	**.150** 3.81	150247	—
16-14 2,050-5,180 [1.04-2.62]	**.033** 0.84	2 M2	**.180** 4.57	**.171** 4.34	**.575** 14.61	**.668** 16.97	Blue	**.170** 4.32	324993	—
		4	**.250** 6.35	**.171** 4.34	**.575** 14.61	**.703** 17.86	Blue	**.150** 3.81	324159*	2-324159-2
			.250 6.35	**.171** 4.34	**.575** 14.61	**.703** 17.86	Blue	**.170** 4.32	328996*	2-328996-1
			.250 6.35	**.281** 7.14	**.685** 17.40	**.813** 20.65	Blue	**.150** 3.81	323676	—
		6 M3.5	**.250** 6.35	**.171** 4.34	**.575** 14.61	**.703** 17.86	Blue	**.150** 3.81	320561*	2-320561-2
			.250 6.35	**.171** 4.34	**.575** 14.61	**.703** 17.86	Blue	**.170** 4.32	320619*	2-320619-1
			.250 6.35	**.281** 7.14	**.685** 17.40	**.813** 20.65	Blue	**.170** 4.32	50881	50881-2
			.312 7.92	**.250** 6.35	**.654** 16.61	**.813** 20.65	Blue	**.170** 4.32	326882*	2-326882-1
			.312 7.92	**.281** 7.14	**.685** 17.40	**.844** 21.44	Blue	**.150** 3.81	51864*	51864-3
			.343 8.71	**.281** 7.14	**.685** 17.40	**.859** 21.82	Blue	**.150** 3.81	36157*	2-36157-2
			.343 8.71	**.281** 7.14	**.685** 17.40	**.859** 21.82	Blue	**.170** 4.32	36158*	2-36158-1
		8 M4	**.312** 7.92	**.250** 6.35	**.654** 16.61	**.813** 20.65	Blue	**.170** 4.32	53941-1*	53941-2
			.312 7.92	**.281** 7.14	**.685** 17.40	**.844** 21.44	Blue	**.150** 3.81	51864-1*	51864-5
			.343 8.71	**.281** 7.14	**.685** 17.40	**.859** 21.82	Blue	**.150** 3.81	320560*	2-320560-1
			.343 8.71	**.281** 7.14	**.685** 17.40	**.859** 21.82	Blue	**.170** 4.32	320565*	2-320565-1

*Available in small packaging quantities.
[1]Heavy duty for extra mechanical strength.
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

PIDG (Pre-Insulated Diamond Grip) (Continued)

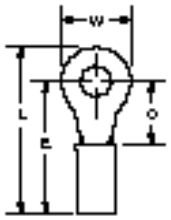
Ring Tongue Terminals (Continued)

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	Dimensions C Min.	Dimensions E Max.	Dimensions L Max.	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Numbers Loose Piece	Part Numbers Tape Mounted
16-14 2,050-5,180 [1.04-2.62]	.033 0.84	10	.312 7.92	.250 6.35	.654 16.61	.813 20.65	Blue	.170 4.32	53942-1	53942-2
			.312 7.92	.281 7.14	.685 17.40	.844 21.44	Blue	.150 3.81	51864-2*	51864-4
			.343 8.71	.281 7.14	.685 17.40	.859 21.82	Blue	.150 3.81	320574*	2-320574-2
			.343 8.71	.281 7.14	.685 17.40	.859 21.82	Blue	.170 4.32	36160*	2-36160-1
			.469 11.91	.437 11.10	.841 21.36	1.078 27.38	Blue	.170 4.32	324533	2-324533-2
		12	.469 11.91	.437 11.10	.841 21.36	1.078 27.38	Blue	.170 4.32	324086	2-324086-1
		14	.468 11.89	.312 7.92	.716 18.19	.953 24.21	Blue	.170 4.32	35274	—
		1/4 M6	.469 11.91	.437 11.10	.841 21.36	1.078 27.38	Blue	.150 3.81	320563*	2-320563-2
			.469 11.91	.437 11.10	.841 21.36	1.078 27.38	Blue	.170 4.32	321045*	2-321045-1
			.469 11.91	.437 11.10	.841 21.36	1.078 27.38	Black	.170 4.32	325034	2-325034-1
		5/16 M8	.469 11.91	.437 11.10	.841 21.36	1.078 27.38	Blue	.150 3.81	320575*	2-320575-1
			.469 11.91	.437 11.10	.841 21.36	1.078 27.38	Blue	.170 4.32	328998*	2-328998-1
		3/8	.531 13.49	.546 13.87	.950 24.13	1.218 30.94	Blue	.150 3.81	320564*	2-320564-3
			.531 13.49	.546 13.87	.950 24.13	1.218 30.94	Blue	.170 4.32	328999*	2-328999-1
		1/2 M12	.713 18.11	.530 13.46	.934 23.72	1.293 32.84	Blue	.150 3.81	328976	—
			.713 18.11	.530 13.46	.934 23.72	1.293 32.84	Blue	.170 4.32	328849*	—
16-14HD[1] 2,050-5,180 [1.04-2.62]	.050 1.27	4	.281 7.14	.219 5.56	.810 20.57	.953 24.21	Yellow/Blk.	.230 5.84	33734	—
		6 M3.5	.281 7.14	.219 5.56	.810 20.57	.953 24.21	Yellow/Blk.	.230 5.84	320631*	2-320631-1
			.281 7.14	.219 5.56	.810 20.57	.953 24.21	Yellow/Blk.	.250 6.35	35634*	—
			.343 8.71	.281 7.14	.872 22.15	1.046 26.57	Yellow/Blk.	.230 5.84	33724	—
		8 M4	.343 8.71	.281 7.14	.872 22.15	1.046 26.57	Yellow/Blk.	.230 5.84	320627*	1-320627-0
			.343 8.71	.281 7.14	.872 22.15	1.046 26.57	Yellow/Blk.	.250 6.35	35106*	2-35106-1
		10	.343 8.71	.281 7.14	.872 22.15	1.046 26.57	Yellow/Blk.	.230 5.84	320630*	2-320630-2
			.343 8.71	.281 7.14	.872 22.15	1.046 26.57	Yellow/Blk.	.250 6.35	34805*	2-34805-1
			.500 12.70	.344 8.74	1.179 29.95	1.432 36.37	Yellow/Blk.	.220 5.59	329391	—
		1/4 M6	.500 12.70	.344 8.74	.935 23.75	1.188 30.18	Yellow/Blk.	.230 5.84	34974*	2-34974-1
			.500 12.70	.344 8.74	.935 23.75	1.188 30.18	Yellow/Blk.	.250 6.35	323682	2-323682-1
			.531 13.49	.437 11.10	1.028 26.11	1.296 32.92	Yellow/Blk.	.230 5.84	327743	1-327743-1
			.531 13.49	.437 11.10	1.028 26.11	1.296 32.92	Yellow/Blk.	.250 6.35	34806*	2-34806-3
			.531 13.49	.437 11.10	1.028 26.11	1.296 32.92	Blue	.250 6.35	—	2-34806-2
		5/16 M8	.531 13.49	.437 11.10	1.028 26.11	1.296 32.92	Yellow/Blk.	.250 6.35	34810	1-34810-1

*Available in small packaging quantities.
[1]Heavy duty for extra mechanical strength.
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

PIDG (Pre-Insulated Diamond Grip) (Continued)

Ring Tongue Terminals
(Continued)



Material

Insulation — Nylon, UL 94V-2
Terminal Body and Metallic Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545 except where noted.

Related Product Data

Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	C Min.	E Max.	L Max.	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Numbers Loose Piece	Part Numbers Tape Mounted
16-14HD[1] 2,050-5,180 [1.04-2.62]	**.050** 1.27	3/8	**.531** 13.49	**.437** 11.10	**1.028** 26.11	**1.296** 32.92	Yellow/Blk.	**.230** 5.84	330896	—
		1/2 M12	**.750** 19.05	**.625** 15.88	**1.216** 30.89	**1.594** 40.49	Yellow/Blk.	**.250** 6.35	35316*	—
			1.250 31.75	**1.000** 25.40	**1.591** 40.41	**2.219** 56.36	Yellow/Blk.	**.250** 6.35	36203	—
		3/4	**1.250** 31.75	**1.000** 25.40	**1.591** 40.41	**2.219** 56.36	Yellow/Blk.	**.250** 6.35	322724	—
12-10 5,180-13,100 [2.62-6.64]	**.042** 1.07	4	**.281** 7.14	**.219** 5.56	**.810** 20.57	**.953** 24.21	Yellow	**.250** 6.35	35148*	1-35148-1
		6 M3.5	**.281** 7.14	**.219** 5.56	**.810** 20.57	**.953** 24.21	Yellow	**.230** 5.84	320634*	2-320634-1
			.281 7.14	**.219** 5.56	**.810** 20.57	**.953** 24.21	Yellow	**.250** 6.35	35149*	2-35149-1
			.312 7.92	**.302** 7.67	**.893** 22.68	**1.052** 26.72	Yellow	**.230** 5.84	326886	326886-1
			.375 9.53	**.302** 7.67	**.893** 22.68	**1.083** 27.51	Yellow	**.230** 5.84	320567*	2-320567-2
			.375 9.53	**.302** 7.67	**.893** 22.68	**1.083** 27.51	Yellow	**.250** 6.35	35107*	2-35107-1
		8 M4	**.312** 7.92	**.281** 7.14	**.872** 22.15	**1.031** 26.19	Yellow	**.230** 5.84	35787*	1-35787-0
			.312 7.92	**.302** 7.67	**.893** 22.68	**1.052** 26.72	Yellow	**.230** 5.84	324915*	—
			.375 9.53	**.302** 7.67	**.893** 22.68	**1.083** 27.51	Yellow	**.230** 5.84	320568*	2-320568-1
			.375 9.53	**.302** 7.67	**.893** 22.68	**1.083** 27.51	Yellow	**.250** 6.35	35108*	2-35108-1
		10	**.312** 7.92	**.302** 7.67	**.893** 22.68	**1.052** 26.72	Yellow	**.230** 5.84	324918*	1-324918-0
			.343 8.71	**.281** 7.14	**.872** 22.15	**1.046** 26.57	Yellow	**.230** 5.84	32883*	1-32883-0
			.375 9.53	**.302** 7.67	**.893** 22.68	**1.083** 27.51	Yellow	**.230** 5.84	36161*	2-36161-2
			.375 9.53	**.302** 7.67	**.893** 22.68	**1.083** 27.51	Yellow	**.250** 6.35	35109*	2-35109-1
			.500 12.70	**.344** 8.74	**.935** 23.75	**1.188** 30.18	Yellow	**.230** 5.84	2-323762-1	2-323762-3
			.500 12.70	**.344** 8.74	**1.179** 29.95	**1.432** 36.37	Yellow	**.220** 5.59	329389	—
		1/4 M6	**.500** 12.70	**.344** 8.74	**.935** 23.75	**1.188** 30.18	Yellow	**.230** 5.84	35273*	2-35273-2
			.531 13.49	**.468** 11.89	**1.054** 26.77	**1.322** 33.58	Yellow	**.230** 5.84	320569*	2-320569-3
			.531 13.49	**.468** 11.89	**1.054** 26.77	**1.322** 33.58	Yellow	**.230** 5.84	—	2-32545-4[2]
			.531 13.49	**.468** 11.89	**1.054** 26.77	**1.322** 33.58	Yellow	**.250** 6.35	35110*	2-35110-1

*Available in small packaging quantities.
[1]Heavy duty for extra mechanical strength.
[2]Terminal body plating— Gold per MIL-G-45204 Type II over Nickel per QQ-N-290.
[3]Terminal body plating— Nickel per QQ-N-290.
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

PIDG (Pre-Insulated Diamond Grip) (Continued)

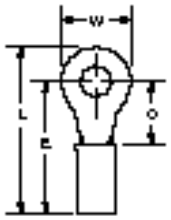
Ring Tongue Terminals (Continued)

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	C Min.	E Max.	L Max.	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Numbers Loose Piece	Part Numbers Tape Mounted
12-10 5,180-13,100 [2.62-6.64]	**.042** 1.07	M5	**.375** 9.53	**.302** 7.67	**.967** 24.56	**1.160** 29.46	Yellow	**.300** 7.62	—	55157-2†
		5/16 M8	**.531** 13.49	**.468** 11.89	**1.054** 26.77	**1.322** 33.58	Yellow	**.230** 5.84	320576*	2-320576-1
			.531 13.49	**.468** 11.89	**1.054** 26.77	**1.322** 33.58	Yellow	**.250** 6.35	35111*	2-35111-1
		3/8	**.593** 15.06	**.531** 13.49	**1.115** 28.32	**1.414** 35.92	Yellow	**.230** 5.84	320577*	2-320577-3
			.593 15.06	**.531** 13.49	**1.115** 28.32	**1.414** 35.92	Yellow	**.250** 6.35	35112*	—
			.750 19.05	**.625** 15.88	**1.216** 30.89	**1.594** 40.49	Yellow	**.250** 6.35	35150	—
		1/2 M12	**.715** 18.16	**.474** 12.04	**1.065** 27.05	**1.414** 35.92	Yellow	**.230** 5.84	52077	—
			.715 18.16	**.560** 14.22	**1.151** 29.24	**1.511** 38.38	Yellow	**.230** 5.84	331467	—
			.750 19.05	**.625** 15.88	**1.216** 30.89	**1.594** 40.49	Yellow	**.230** 5.84	323784	—
			.750 19.05	**.625** 15.88	**1.216** 30.89	**1.594** 40.49	Yellow	**.250** 6.35	35151*	—
		5/8 M16	**1.250** 31.75	**1.000** 25.40	**1.591** 40.41	**2.219** 56.36	Yellow	**.230** 5.84	324615	—

*Available in small packaging quantities.
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.
†Vinyl insulation material

PIDG (Pre-Insulated Diamond Grip) (Continued)

Ring Tongue Terminals
(Vinyl)



Material

Insulation — Vinyl, UL 94V-0
Terminal Body and Metallic Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545 except where noted.

Related Product Data

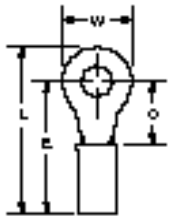
Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	C Min.	E Max.	L Max.	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Numbers Loose Piece	Tape Mounted
22-16 509-3,260 [0.26-1.65]	**.033** 0.84	6 M3.5	**.281** 7.14	**.250** 6.35	**.654** 16.61	**.797** 20.24	Red	**.140** 3.56	31885	—
		8 M4	**.312** 7.92	**.281** 7.14	**.685** 17.40	**.844** 21.44	Red	**.125** 3.18	31888	—
			.312 7.92	**.281** 7.14	**.685** 17.40	**.844** 21.44	Red	**.125** 3.18	2-31888-1[2]	—
		10	**.281** 7.14	**.250** 6.35	**.654** 16.61	**.797** 20.24	Red	**.125** 3.18	31884	—
			.312 7.92	**.281** 7.14	**.685** 17.40	**.844** 21.44	Red	**.140** 3.56	31891	—
16-14 2,050-5,180 [1.04-2.62]	**.033** 0.84	10	**.312** 7.92	**.250** 6.35	**.654** 16.61	**.813** 20.65	Blue	**.170** 4.32	—	2-322238-1
			.312 7.92	**.281** 7.14	**.685** 17.40	**.844** 21.44	Blue	**.150** 3.81	—	51861-4
			.343 8.71	**.281** 7.14	**.685** 17.40	**.859** 21.82	Blue	**.170** 4.32	31903	—
16-14HD[1] 2,050-5,180 [1.04-2.62]	**.050** 1.27	10	**.343** 8.71	**.281** 7.14	**.961** 24.41	**1.135** 28.83	Yellow/Blk.	**.300** 7.62	35363*	—
		1/4 M6	**.531** 13.49	**.437** 11.10	**1.117** 28.37	**1.385** 35.18	Yellow/Blk.	**.300** 7.62	35362*	—
		5/16 M8	**.531** 13.49	**.437** 11.10	**1.117** 28.37	**1.385** 35.18	Yellow/Blk.	**.300** 7.62	35538	—
		1/2 M12	**1.250** 31.75	**1.000** 25.40	**1.680** 42.67	**2.308** 58.62	Yellow/Blk.	**.300** 7.62	36485	—
12-10 5,180-13,100 [2.62-6.64]	**.042** 1.07	6 M3.5	**.375** 9.53	**.302** 7.67	**.982** 24.94	**1.172** 29.77	Yellow	**.300** 7.62	35604	—
		8 M4	**.375** 9.53	**.302** 7.67	**.982** 24.94	**1.172** 29.77	Yellow	**.300** 7.62	35605*	2-35605-2
		10	**.375** 9.53	**.302** 7.67	**.982** 24.94	**1.172** 29.77	Yellow	**.300** 7.62	35364*	2-35364-1
		5mm[3]	**.375** 9.53	**.302** 7.67	**.967** 24.56	**1.160** 29.46	Yellow	**.300** 7.62	—	55157-2
		1/4 M6	**.500** 12.70	**.344** 8.74	**1.024** 26.01	**1.277** 32.44	Yellow	**.300** 7.62	323763	2-323763-2
			.531 13.49	**.468** 11.89	**1.148** 29.16	**1.416** 35.97	Yellow	**.300** 7.62	35345*	2-35345-1
		5/16 M8	**.531** 13.49	**.468** 11.89	**1.148** 29.16	**1.416** 35.97	Yellow	**.300** 7.62	35346*	2-35346-1
		3/8	**.593** 15.06	**.531** 13.49	**1.211** 30.76	**1.510** 38.35	Yellow	**.300** 7.62	35478	1-35478-0

*Available in small packaging quantities.
[1]Heavy duty for extra mechanical strength.
[2]Terminal body plating— Gold per MIL-G-45204 Type II over Nickel per QQ-N-290.
[3]#10 stud may be substituted.
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

PIDG (Pre-Insulated Diamond Grip) (Continued)

Ring Tongue Terminals
(Insulation Restricting)



Material

Insulation — Nylon, UL 94V-2
Terminal Body — Copper per ASTM B-152
Plating — Tin per ASTM B-545
Metallic Sleeve — Copper per ASTM B-152
Plating — Nickel per QQ-N-290 or Tin per ASTM B-545

Related Product Data

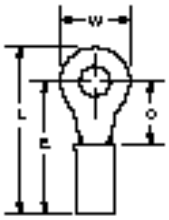
Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	C Min.	E Max.	L Max.	Terminal Insulation Color Solid/Stripe	Wire Insulation Diameter Range	Part Numbers Loose Piece	Part Numbers Tape Mounted
26 304 [0.15]	.029 0.74	2 M2	.203 5.16	.211 5.36	.632 16.05	.739 18.77	Yellow/Black	.026-.055 0.66-1.40	53078†	—
		4	.203 5.16	.211 5.36	.632 16.05	.736 18.69	Yellow/Black	.026-.055 0.66-1.40	53049†	—
		6 M3.5	.250 6.35	.243 6.17	.664 16.87	.792 20.12	Yellow/Black	.026-.055 0.66-1.40	53050†	—
		8 M4	.281 7.14	.250 6.35	.671 17.04	.814 20.68	Yellow/Black	.026-.055 0.66-1.40	53051†	—
		10	.312 7.92	.281 7.14	.702 17.83	.863 21.92	Yellow/Black	.026-.055 0.66-1.40	53052†	—
24 475 [0.24]	.020 0.51	4	.203 5.16	.211 5.36	.587 14.91	.691 17.55	Yellow/Blue	.031-.055 0.79-1.40	2-323914-2	—
		6 M3.5	.250 6.35	.281 7.14	.657 16.69	.785 19.94	Yellow/Blue	.031-.055 0.79-1.40	2-326875-4	—
		8 M4	.250 6.35	.281 7.14	.657 16.69	.785 19.94	Yellow/Blue	.031-.055 0.79-1.40	2-323916-3	—
		10	.250 6.35	.281 7.14	.657 16.69	.785 19.94	Yellow/Blue	.031-.055 0.79-1.40	2-326875-5	—
	.029 0.74	2 M2	.203 5.16	.211 5.36	.632 16.05	.739 18.77	Yellow/Blue	.031-.055 0.79-1.40	53053†	—
		4	.203 5.16	.211 5.36	.632 16.05	.736 18.69	Yellow/Blue	.031-.055 0.79-1.40	53054†	—
		6 M3.5	.250 6.35	.243 6.17	.664 16.87	.792 20.12	Yellow/Blue	.031-.055 0.79-1.40	53055†	53055-1†
		8 M4	.281 7.14	.250 6.35	.671 17.04	.814 20.68	Yellow/Blue	.031-.055 0.79-1.40	53056†	—
		10	.312 7.92	.281 7.14	.702 17.83	.860 21.84	Yellow/Blue	.031-.055 0.79-1.40	53057†	53057-1†
22 754 [0.38]	.033 0.84	2 M2	.182 4.62	.172 4.37	.638 16.21	.731 18.57	Red/Green	.038-.110 0.97-2.79	52307	—
		4	.218 5.54	.156 3.96	.622 15.80	.734 18.64	Red/Green	.038-.110 0.97-2.79	52273*	—
		6 M3.5	.218 5.54	.156 3.96	.622 15.80	.734 18.64	Red/Green	.038-.110 0.97-2.79	2-36149-3*	—
			.250 6.35	.250 6.35	.716 18.19	.844 21.44	Red/Green	.038-.110 0.97-2.79	51863-2*	51863-5
		8 M4	.312 7.92	.281 7.14	.747 18.97	.906 23.01	Red/Green	.038-.110 0.97-2.79	1-320551-2*	1-320551-5
		10	.312 7.92	.281 7.14	.747 18.97	.906 23.01	Red/Green	.038-.110 0.97-2.79	2-36153-3*	2-36153-6
		1/4 M6	.469 11.91	.437 11.10	.903 22.94	1.140 28.96	Red/Green	.038-.110 0.97-2.79	2-320571-3	—
		5/16 M8	.469 11.91	.437 11.10	.903 22.94	1.140 28.96	Red/Green	.038-.110 0.97-2.79	2-320572-2	—
		3/8	.531 13.49	.546 13.87	1.012 25.70	1.280 32.51	Red/Green	.038-.110 0.97-2.79	2-320573-1	—
		1/2 M12	.713 18.11	.530 13.46	.996 25.30	1.355 34.42	Red/Green	.038-.110 0.97-2.79	2-328975-1	—

*Available in small packaging quantities.
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.
†Must be crimped with 22-18 or 22-16 PIDG (red) Tooling.

PIDG (Pre-Insulated Diamond Grip) (Continued)

Ring Tongue Terminals
(Insulation Restricting)
(Continued)



Material

Insulation — Nylon, UL 94V-2
Terminal Body — Copper per ASTM B-152
Plating — Tin per ASTM B-545
Metallic Sleeve — Copper per ASTM B-152
Plating — Nickel per QQ-N-290 or Tin per ASTM B-545

Related Product Data

Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	C Min.	E Max.	L Max.	Terminal Insulation Color Solid/Stripe	Wire Insulation Diameter Range	Part Numbers Loose Piece	Part Numbers Tape Mounted
20 1,186 [0.60]	**.033** 0.84	2 M2	**.182** 4.62	**.172** 4.37	**.638** 16.21	**.731** 18.57	Red/Red	**.046-.110** 1.17-2.79	52307-1	—
		4	**.218** 5.54	**.156** 3.96	**.622** 15.80	**.734** 18.64	Red/Red	**.046-.110** 1.17-2.79	52273-1*	—
		6 M3.5	**.218** 5.54	**.156** 3.96	**.622** 15.80	**.734** 18.64	Red/Red	**.046-.110** 1.17-2.79	2-36149-4*	—
			.250 6.35	**.250** 6.35	**.716** 18.19	**.844** 21.44	Red/Red	**.046-.110** 1.17-2.79	51863-3	51863-6
		8 M4	**.312** 7.92	**.281** 7.14	**.747** 18.97	**.906** 23.01	Red/Red	**.046-.110** 1.17-2.79	1-320551-3*	1-320551-7
		10	**.312** 7.92	**.281** 7.14	**.747** 18.97	**.906** 23.01	Red/Red	**.046-.110** 1.17-2.79	2-36153-4*	—
		1/4 M6	**.469** 11.91	**.437** 11.10	**.903** 22.94	**1.140** 28.96	Red/Red	**.046-.110** 1.17-2.79	2-320571-4	—
		5/16 M8	**.469** 11.91	**.437** 11.10	**.903** 22.94	**1.140** 28.96	Red/Red	**.046-.110** 1.17-2.79	2-320572-3	—
		3/8	**.531** 13.49	**.546** 13.87	**1.012** 25.70	**1.280** 32.51	Red/Red	**.046-.110** 1.17-2.79	2-320573-2	—
		1/2 M12	**.713** 18.11	**.530** 13.46	**.996** 25.30	**1.355** 34.42	Red/Red	**.046-.110** 1.17-2.79	2-328975-2	—
18 1,900 [0.96]	**.033** 0.84	4	**.218** 5.54	**.156** 3.96	**.622** 15.80	**.734** 18.64	Red/White	**.056-.110** 1.42-2.79	52273-2*	—
		6 M3.5	**.218** 5.54	**.156** 3.96	**.622** 15.80	**.734** 18.64	Red/White	**.056-.110** 1.42-2.79	2-36149-5*	—
			.250 6.35	**.250** 6.35	**.716** 18.19	**.844** 21.44	Red/White	**.056-.110** 1.42-2.79	51863-4*	51863-7
		8 M4	**.312** 7.92	**.281** 7.14	**.747** 18.97	**.906** 23.01	Red/White	**.056-.110** 1.42-2.79	1-320551-4*	1-320551-8
		10	**.312** 7.92	**.281** 7.14	**.747** 18.97	**.906** 23.01	Red/White	**.056-.110** 1.42-2.79	2-36153-5*	2-36153-9
		1/4 M6	**.469** 11.91	**.437** 11.10	**.903** 22.94	**1.140** 28.96	Red/White	**.056-.110** 1.42-2.79	2-320571-5	—
		5/16 M8	**.469** 11.91	**.437** 11.10	**.903** 22.94	**1.140** 28.96	Red/White	**.056-.110** 1.42-2.79	2-320572-4	2-320574-7
		3/8	**.531** 13.49	**.546** 13.87	**1.012** 25.70	**1.280** 32.51	Red/White	**.056-.110** 1.42-2.79	2-320573-3	—
		1/2 M12	**.713** 18.11	**.530** 13.46	**.996** 25.30	**1.355** 34.42	Red/White	**.056-.110** 1.42-2.79	2-328975-3	—
16 2,800 [1.42]	**.033** 0.84	4	**.250** 6.35	**.171** 4.34	**.637** 16.18	**.765** 19.43	Blue/Blue	**.063-.130** 1.60-3.30	52274	—
		6 M3.5	**.250** 6.35	**.171** 4.34	**.637** 16.18	**.765** 19.43	Blue/Blue	**.063-.130** 1.60-3.30	2-320561-3*	2-320561-5
			.312 7.92	**.281** 7.14	**.747** 18.97	**.906** 23.01	Blue/Blue	**.063-.130** 1.60-3.30	51864-6*	1-51864-2
		8 M4	**.312** 7.92	**.281** 7.14	**.747** 18.97	**.906** 23.01	Blue/Blue	**.063-.130** 1.60-3.30	1-51864-0*	1-51864-6
		10	**.312** 7.92	**.281** 7.14	**.747** 18.97	**.906** 23.01	Blue/Blue	**.063-.130** 1.60-3.30	51864-7*	—
		1/4 M6	**.469** 11.91	**.437** 11.10	**.903** 22.94	**1.140** 28.96	Blue/Blue	**.063-.130** 1.60-3.30	2-320563-3	—
		5/16 M8	**.469** 11.91	**.437** 11.10	**.903** 22.94	**1.140** 28.96	Blue/Blue	**.063-.130** 1.60-3.30	2-320575-2	—
		3/8	**.531** 13.49	**.546** 13.87	**1.012** 25.70	**1.280** 32.51	Blue/Blue	**.063-.130** 1.60-3.30	2-320564-1	—
		1/2 M12	**.713** 18.11	**.530** 13.46	**.996** 25.30	**1.355** 34.42	Blue/Blue	**.063-.130** 1.60-3.30	2-328976-1	—

*Available in small packaging quantities.
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

PIDG (Pre-Insulated Diamond Grip) (Continued)

Ring Tongue Terminals

(Insulation Restricting)

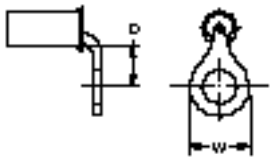
(Continued)

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	Dimensions C Min.	Dimensions E Max.	Dimensions L Max.	Terminal Insulation Color Solid/Stripe	Wire Insulation Diameter Range	Part Numbers Loose Piece	Part Numbers Tape Mounted
14 4,234 [2.15]	**.033** 0.84	4	**.250** 6.35	**.171** 4.34	**.637** 16.18	**.765** 19.43	Blue/Green	**.078-.130** 1.98-3.30	52274-1	—
		6 M3.5	**.250** 6.35	**.171** 4.34	**.637** 16.18	**.765** 19.43	Blue/Green	**.078-.130** 1.98-3.30	2-320561-4	—
			.312 7.92	**.281** 7.14	**.747** 18.97	**.906** 23.01	Blue/Green	**.078-.130** 1.98-3.30	51864-8*	1-51864-4
		8 M4	**.312** 7.92	**.281** 7.14	**.747** 18.97	**.906** 23.01	Blue/Green	**.078-.130** 1.98-3.30	1-51864-1*	1-51864-7
		10	**.312** 7.92	**.281** 7.14	**.747** 18.97	**.906** 23.01	Blue/Green	**.078-.130** 1.98-3.30	51864-9*	1-51864-5
		1/4 M6	**.469** 11.91	**.437** 11.10	**.903** 22.94	**1.140** 28.96	Blue/Green	**.078-.130** 1.98-3.30	2-320563-4	—
		5/16 M8	**.469** 11.91	**.437** 11.10	**.903** 22.94	**1.140** 28.96	Blue/Green	**.078-.130** 1.98-3.30	2-320575-3	—
		3/8	**.531** 13.49	**.546** 13.87	**1.012** 25.70	**1.280** 32.51	Blue/Green	**.078-.130** 1.98-3.30	2-320564-2	—
		1/2 M12	**.713** 18.11	**.530** 13.46	**.996** 25.30	**1.355** 34.42	Blue/Green	**.078-.130** 1.98-3.30	2-328976-2	—
12 6,654 [3.37]	**.042** 1.07	6 M3.5	**.375** 9.53	**.302** 7.67	**.958** 24.33	**1.148** 29.16	Yellow/Yellow	**.095-.200** 2.41-5.08	2-36161-5	—
		8 M4	**.375** 9.53	**.302** 7.67	**.958** 24.33	**1.148** 29.16	Yellow/Yellow	**.095-.200** 2.41-5.08	2-320568-2*	—
		10	**.375** 9.53	**.302** 7.67	**.958** 24.33	**1.148** 29.16	Yellow/Yellow	**.095-.200** 2.41-5.08	2-36161-3*	—
		1/4 M6	**.531** 13.49	**.468** 11.89	**1.124** 28.55	**1.392** 35.36	Yellow/Yellow	**.095-.200** 2.41-5.08	2-320569-5	—
		5/16 M8	**.531** 13.49	**.468** 11.89	**1.124** 28.55	**1.392** 35.36	Yellow/Yellow	**.095-.200** 2.41-5.08	2-320576-2	—
		3/8	**.593** 15.06	**.531** 13.49	**1.187** 30.15	**1.486** 37.74	Yellow/Yellow	**.095-.200** 2.41-5.08	2-320577-1	—
		1/2 M12	**.715** 18.16	**.474** 12.04	**1.130** 28.70	**1.490** 37.85	Yellow/Yellow	**.095-.200** 2.41-5.08	52077-1	—
10 12,066 [6.11]	**.042** 1.07	6 M3.5	**.375** 9.53	**.302** 7.67	**.958** 24.33	**1.148** 29.16	Yellow/Brown	**.119-.200** 3.02-5.08	2-36161-6	3-36161-0
		8 M4	**.375** 9.53	**.302** 7.67	**.958** 24.33	**1.148** 29.16	Yellow/Brown	**.119-.200** 3.02-5.08	2-320568-3*	—
		10	**.375** 9.53	**.302** 7.67	**.958** 24.33	**1.148** 29.16	Yellow/Brown	**.119-.200** 3.02-5.08	2-36161-4	2-36161-8
		1/4 M6	**.531** 13.49	**.468** 11.89	**1.124** 28.55	**1.392** 35.36	Yellow/Brown	**.119-.200** 3.02-5.08	2-320569-6	2-320569-8
		5/16 M8	**.531** 13.49	**.468** 11.89	**1.124** 28.55	**1.392** 35.36	Yellow/Brown	**.119-.200** 3.02-5.08	2-320576-3	—
		3/8	**.593** 15.06	**.531** 13.49	**1.187** 30.15	**1.486** 37.74	Yellow/Brown	**.119-.200** 3.02-5.08	2-320577-2	—
		1/2 M12	**.715** 18.16	**.474** 12.04	**1.130** 28.70	**1.490** 37.85	Yellow/Brown	**.119-.200** 3.02-5.08	52077-2	—

*Available in small packaging quantities.
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

PIDG (Pre-Insulated Diamond Grip) (Continued)

Ring Tongue Terminal 90° Bend



Material

Insulation — Vinyl, UL 94V-0
Terminal Body and Metallic Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545

Related Product Data

Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

	Wire Size Cicular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	Dimensions D Min.	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Number Loose Piece
Vinyl	22-16 509-3,260 [0.26-1.65]	**.033** 0.84	10	**.312** 7.92	**.157** 3.99	Red	**.140** 3.56	55148-1
Nylon	12-10 5,180-13,100 [2.62-6.64]	**.040** 1.02	6	**.375** 9.53	**.206** 5.23	Yellow	**.250** 6.35	696020-1

Dimensions are shown for reference purposes only.

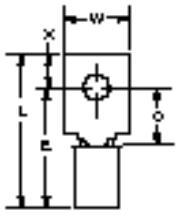
Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Specifications subject to change.

Technical Support Center
1-800-522-6752
www.amp.com

PIDG (Pre-Insulated Diamond Grip) (Continued)

Rectangular Tongue Terminals



Material

Insulation — Nylon except where noted.
Terminal Body and Metallic Sleeve — Copper per ASTM B-152 except where noted.
Plating — Tin per ASTM B-545

Related Product Data

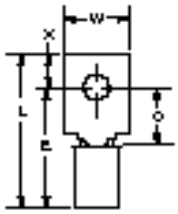
Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	C Min.	E Max.	L Max.	X	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Numbers Loose Piece	Tape Mounted
26-22 202-810 [0.10-0.41]	**.020** 0.51	2 M2	**.182** 4.62	**.211** 5.36	**.542** 13.77	**.647** 16.43	**.100** 2.54	Yellow	**.082** 2.08	321206[2]	—
		6 M3.5	**.277** 7.04	**.308** 7.82	**.643** 16.33	**.783** 19.89	**.130** 3.30	Yellow	**.082** 2.08	330250	—
22-16 509-3,260 [0.26-1.65]	.**033** 0.84	2 M2	**.182** 4.62	**.203** 5.16	**.607** 15.42	**.727** 18.47	**.115** 2.92	Red	**.125** 3.18	325148	—
		4	**.237** 6.02	**.237** 6.02	**.643** 16.33	**.796** 20.22	**.143** 3.63	Red	**.140** 3.56	2-327968-1	—
			.237 6.02	**.404** 10.26	**.810** 20.57	**1.015** 25.78	**.195** 4.95	Red	**.140** 3.56	327962	—
		5 M3	**.250** 6.35	**.187** 4.75	**.591** 15.01	**.736** 18.69	**.140** 3.56	Red	**.140** 3.56	55777-1	—
			.277 7.04	**.277** 7.04	**.702** 17.83	**.855** 21.72	**.143** 3.63	Red	**.140** 3.56	2-327950-1	—
		6 M3.5	**.237** 6.02	**.404** 10.26	**.810** 20.57	**1.015** 25.78	**.195** 4.95	Red	**.140** 3.56	2-327956-1	—
			.250 6.35	**.312** 7.92	**.716** 18.19	**.846** 21.49	**.125** 3.18	Red	**.125** 3.18	320629	2-320629-1
			.250 6.35	**.312** 7.92	**.716** 18.19	**.846** 21.49	**.125** 3.18	Red	**.140** 3.56	33476*	2-33476-1
			.302 7.67	**.465** 11.81	**.872** 22.15	**1.109** 28.17	**.227** 5.77	Red	**.140** 3.56	2-327938-1	2-327938-2
		8 M4	**.302** 7.67	**.465** 11.81	**.872** 22.15	**1.109** 28.17	**.227** 5.77	Red	**.140** 3.56	327944*	2-327944-2
			.390 9.91	**.621** 15.77	**1.039** 26.39	**1.359** 34.52	**.310** 7.87	Red	**.140** 3.56	327932	—
		10	**.312** 7.92	**.281** 7.14	**.685** 17.40	**.893** 22.68	**.203** 5.16	Red	**.140** 3.56	320209*	—
16-14 2,050-5,180 [1.04-2.62]	**.033** 0.84	4	**.237** 6.02	**.237** 6.02	**.643** 16.33	**.796** 20.22	**.143** 3.63	Blue	**.150** 3.81	2-327970-4	—
			.237 6.02	**.404** 10.26	**.810** 20.57	**1.015** 25.78	**.195** 4.95	Blue	**.150** 3.81	2-327964-4	—
		5 M3	**.244** 6.20	**.312** 7.92	**.716** 18.19	**.856** 21.74	**.125** 3.18	Blue	**.150** 3.81	—	55694-1[1]
			.277 7.04	**.277** 7.04	**.702** 17.83	**.855** 21.72	**.143** 3.63	Blue	**.150** 3.81	2-327952-2	—

*Available in small packaging quantities.
[1]Insulation—Vinyl
[2]Terminal Body— Brass per MIL-C-50.
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

PIDG (Pre-Insulated Diamond Grip) (Continued)

Rectangular Tongue Terminals (Continued)



Material

Insulation — Nylon except where noted.
Terminal Body and Metallic Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545

Related Product Data

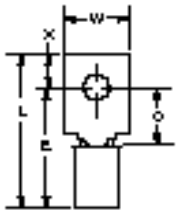
Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	C Min.	E Max.	L Max.	X	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Numbers Loose Piece	Tape Mounted
16-14 2,050-5,180 [1.04-2.62]	.033 0.84	6 M3.5	.237 6.02	.404 10.26	.810 20.57	1.015 25.78	.195 4.95	Blue	.150 3.81	2-327958-4	—
			.237 6.02	.404 10.26	.810 20.57	1.015 25.78	.195 4.95	Blue	.170 4.32	2-327958-1	—
			.244 6.20	.312 7.92	.716 18.19	.856 21.74	.125 3.18	Blue	.150 3.81	33172	—
			.244 6.20	.312 7.92	.716 18.19	.856 21.74	.125 3.18	Blue	.170 4.32	33173*	—
			.296 7.52	.203 5.16	.607 15.42	.752 19.10	.140 3.56	Blue	.150 3.81	33168	—
			.302 7.67	.465 11.81	.872 22.15	1.109 28.17	.227 5.77	Blue	.150 3.81	2-327940-4	—
		8 M4	.244 6.20	.312 7.92	.716 18.19	.856 21.74	.125 3.18	Blue	.170 4.32	35279	—
			.296 7.52	.343 8.71	.747 18.97	.939 23.85	.187 4.75	Blue	.170 4.32	321283*	—
			.302 7.67	.465 11.81	.872 22.15	1.109 28.17	.227 5.77	Blue	.150 3.81	2-327946-4	—
			.390 9.91	.621 15.77	1.039 26.39	1.359 34.52	.310 7.87	Blue	.150 3.81	2-327934-2	—
		10	.312 7.92	.281 7.14	.685 17.40	.940 23.88	.250 6.35	Blue	.170 4.32	324603	—
12-10 5,180-13,100 [2.62-6.64]	.042 1.07	4	.237 6.02	.237 6.02	.831 21.11	.984 24.99	.143 3.63	Yellow	.230 5.84	327972	—
			.237 6.02	.404 10.26	.998 25.35	1.203 30.56	.195 4.95	Yellow	.230 5.84	327966	—
		5 M3	.277 7.04	.277 7.04	.889 22.58	1.042 26.47	.143 3.63	Yellow	.230 5.84	327954	2-327954-2
		6 M3.5	.237 6.02	.404 10.26	.998 25.35	1.203 30.56	.195 4.95	Yellow	.230 5.84	2-327960-1	2-327960-2
			.250 6.35	.302 7.67	.893 22.68	1.085 27.56	.187 4.75	Yellow	.230 5.84	329697	—
			.290 7.37	.218 5.54	.809 20.55	.954 24.23	.140 3.56	Yellow	.230 5.84	34512	—
			.302 7.67	.465 11.81	1.044 26.52	1.281 32.54	.227 5.77	Yellow	.230 5.84	327942	—
			.302 7.67	.465 11.81	1.044 26.52	1.281 32.54	.227 5.77	Yellow	.230 5.84	327948	—
		8 M4	.302 7.67	.465 11.81	1.077 27.36	1.247 31.67	.160 4.06	Yellow	.230 5.84	331268	2-331268-1
			.390 9.91	.621 15.77	1.211 30.76	1.531 38.89	.310 7.87	Yellow	.230 5.84	327936	—

*Available in small packaging quantities.
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

PIDG (Pre-Insulated Diamond Grip) (Continued)

Rectangular Tongue Terminals
(Insulation Restricting)



Material

Insulation — Nylon, UL 94V-2
Terminal Body — Copper per ASTM B-152
Plating — Tin per ASTM B-545
Metallic Sleeve — Copper per ASTM B-152
Plating — Nickel per QQ-N-290

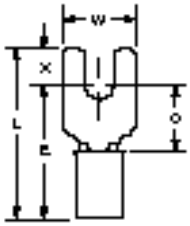
Related Product Data

Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	C Min.	E Max.	L Max.	X	Terminal Insulation Color Solid/Stripe	Wire Insulation Diameter Range	Part Numbers Loose Piece
24 475 [0.24]	**.020** 0.51	6 M3.5	**.312** 7.92	**.308** 7.82	**.683** 17.35	**.875** 22.23	**.187** 4.75	Yellow/Blue	**.031-.055** 0.79-1.40	2-326876-2
10 12,066 [6.11]	**.042** 1.07	5 M3	**.277** 7.04	**.277** 7.04	**.934** 23.72	**1.087** 27.61	**.143** 3.63	Yellow/Brown	**.119-.200** 3.02-5.08	53912-2
		8 M4	**.390** 9.91	**.621** 15.77	**1.276** 32.41	**1.596** 40.54	**.310** 7.87	Yellow/Brown	**.119-.200** 3.02-5.08	53914-2

Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

Spade Tongue Terminals



Material

Insulation — Nylon, UL 94V-2
Terminal Body and Metallic Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545

Related Product Data

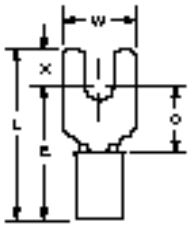
Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	C Min.	E Max.	L Max.	X	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Numbers Loose Piece	Part Numbers Tape Mounted
26-24 238-475 [0.12-0.24]	**.029** 0.74	6 M3.5	**.250** 6.35	**.211** 5.36	**.632** 16.05	**.709** 18.01	**.072** 1.83	Yellow	**.095** 2.41	—	53115-2
26-22 202-810 [0.10-0.41]	**.020** 0.51	0	**.125** 3.18	**.078** 1.98	**.409** 10.39	**.476** 12.09	**.062** 1.57	Yellow	**.082** 2.08	322001	—
		4	**.203** 5.16	**.211** 5.36	**.542** 13.77	**.627** 15.93	**.076** 1.93	Yellow	**.082** 2.08	321035*	2-321035-1
22-16 509-3,260 [0.26-1.65]	**.033** 0.84	2 M2	**.182** 4.62	**.203** 5.16	**.607** 15.42	**.727** 18.47	**.115** 2.92	Red	**.140** 3.56	328394*	2-328394-1
		4	**.218** 5.54	**.156** 3.96	**.560** 14.22	**.674** 17.12	**.109** 2.77	Red	**.125** 3.18	1-327717-0	—
			.218 5.54	**.156** 3.96	**.560** 14.22	**.674** 17.12	**.109** 2.77	Red	**.140** 3.56	327717*	1-327717-2
		6 M3.5	**.250** 6.35	**.312** 7.92	**.716** 18.19	**.846** 21.49	**.125** 3.18	Red	**.140** 3.56	34541*	2-34541-1
			.297 7.54	**.203** 5.16	**.607** 15.42	**.753** 19.13	**.141** 3.58	Red	**.125** 3.18	34080*	2-34080-1
			.297 7.54	**.203** 5.16	**.607** 15.42	**.753** 19.13	**.141** 3.58	Red	**.140** 3.56	326861*	2-326861-1
			.344 8.74	**.218** 5.54	**.622** 15.80	**.783** 19.89	**.156** 3.96	Red	**.125** 3.18	32403	—
			.344 8.74	**.218** 5.54	**.622** 15.80	**.783** 19.89	**.156** 3.96	Red	**.140** 3.56	32404	2-32404-1
		8 M4	**.375** 9.53	**.312** 7.92	**.716** 18.19	**.908** 23.06	**.187** 4.75	Red	**.125** 3.18	32050*	2-32050-1
			.375 9.53	**.312** 7.92	**.716** 18.19	**.908** 23.06	**.187** 4.75	Red	**.140** 3.56	32053*	2-32053-1
		10	**.375** 9.53	**.312** 7.92	**.716** 18.19	**.908** 23.06	**.187** 4.75	Red	**.125** 3.18	32051*	2-32051-1
			.375 9.53	**.312** 7.92	**.716** 18.19	**.908** 23.06	**.187** 4.75	Red	**.140** 3.56	32054*	2-32054-1

*Available in small packaging quantities.
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

PIDG (Pre-Insulated Diamond Grip) (Continued)

Spade Tongue Terminals (Continued)



Material

Insulation — Nylon, UL 94V-2
Terminal Body and Metallic Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545

Related Product Data

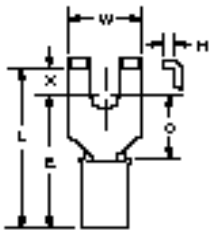
Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	C Min.	E Max.	L Max.	X	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Numbers Loose Piece	Tape Mounted
16-14 2,050-5,180 [1.04-2.62]	.033 0.84	6 M3.5	.244 6.20	.312 7.92	.716 18.19	.846 21.49	.125 3.18	Blue	.170 4.32	328281*	1-328281-1
			.297 7.54	.203 5.16	.607 15.42	.753 19.13	.141 3.58	Blue	.170 4.32	35559*	2-35559-1
			.385 9.78	.312 7.92	.716 18.19	.908 23.06	.187 4.75	Blue	.170 4.32	32058*	—
		8 M4	.297 7.54	.203 5.16	.607 15.42	.753 19.13	.141 3.58	Blue	.170 4.32	321233*	2-321233-1
			.312 7.92	.375 9.53	.779 19.79	1.034 26.26	.250 6.35	Blue	.170 4.32	325199	—
			.385 9.78	.312 7.92	.716 18.19	.908 23.06	.187 4.75	Blue	.150 3.81	32056*	2-32056-1
			.385 9.78	.312 7.92	.716 18.19	.908 23.06	.187 4.75	Blue	.170 4.32	32059*	2-32059-1
		10	.385 9.78	.312 7.92	.716 18.19	.908 23.06	.187 4.75	Blue	.150 3.81	32057	—
			.385 9.78	.312 7.92	.716 18.19	.908 23.06	.187 4.75	Blue	.170 4.32	32060*	2-32060-1
12-10 5,180-13,100 [2.62-6.64]	.042 1.07	6 M3.5	.290 7.37	.218 5.54	.809 20.55	.954 24.23	.140 3.56	Yellow	.230 5.84	322985*	1-322985-0
			.312 7.92	.296 7.52	.887 22.53	1.095 27.81	.203 5.16	Yellow	.230 5.84	326859*	2-326859-1
		8 M4	.312 7.92	.468 11.89	1.059 26.90	1.314 33.38	.250 6.35	Yellow	.230 5.84	325197	—
			.406 10.31	.296 7.52	.887 22.53	1.095 27.81	.203 5.16	Yellow	.230 5.84	32588*	2-32588-1
			.406 10.31	.296 7.52	.887 22.53	1.095 27.81	.203 5.16	Yellow	.250 6.35	35152*	2-35152-1
		10	.406 10.31	.296 7.52	.887 22.53	1.095 27.81	.203 5.16	Yellow	.230 5.84	32589*	2-32589-1

*Available in small packaging quantities.
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

PIDG (Pre-Insulated Diamond Grip) (Continued)

Flanged Spade Tongue Terminals



Material

Insulation — Nylon, UL 94V-2
Terminal Body and Metallic Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545

Related Product Data

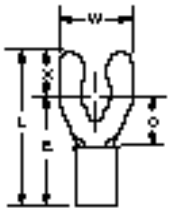
Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	C Min.	E Max.	L Max.	X	H Min.	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Numbers Loose Piece	Tape Mounted
26-22 202-810 [0.10-0.41]	.020 0.51	2 M2	.182 4.62	.203 5.16	.534 13.56	.649 16.48	.110 2.79	.026 0.66	Yellow	.082 2.08	324597*	2-324597-1
		4	.193 4.90	.203 5.16	.534 13.56	.649 16.48	.110 2.79	.026 0.66	Yellow	.082 2.08	52369*	52369-1
		6 M3.5	.250 6.35	.203 5.16	.534 13.56	.649 16.48	.110 2.79	.026 0.66	Yellow	.082 2.08	51874*	51874-1
22-16 509-3,260 [0.26-1.65]	.033 0.84	2 M2	.182 4.62	.203 5.16	.607 15.42	.727 18.47	.115 2.92	.041 1.04	Red	.125 3.18	2-324608-2	—
			.182 4.62	.203 5.16	.607 15.42	.727 18.47	.115 2.92	.041 1.04	Red	.140 3.56	324608*	2-324608-1
		6 M3.5	.250 6.35	.203 5.16	.607 15.42	.737 18.72	.125 3.18	.046 1.17	Red	.125 3.18	322777*	2-322777-1
			.265 6.73	.203 5.16	.607 15.42	.737 18.72	.125 3.18	.046 1.17	Red	.140 3.56	322426	—
			.296 7.52	.203 5.16	.607 15.42	.737 18.72	.125 3.18	.046 1.17	Red	.125 3.18	32561*	2-32561-1
			.296 7.52	.203 5.16	.607 15.42	.737 18.72	.125 3.18	.046 1.17	Red	.140 3.56	32562*	2-32562-1
			.328 8.33	.203 5.16	.607 15.42	.737 18.72	.125 3.18	.046 1.17	Red	.140 3.56	324557	2-324557-1
		8 M4	.296 7.52	.203 5.16	.607 15.42	.737 18.72	.125 3.18	.046 1.17	Red	.140 3.56	2-32562-2	2-32562-3
			.416 10.57	.250 6.35	.654 16.61	.830 21.08	.171 4.34	.062 1.57	Red	.125 3.18	32497	2-32497-1
			.416 10.57	.250 6.35	.654 16.61	.830 21.08	.171 4.34	.062 1.57	Red	.140 3.56	32498*	2-32498-1
		10	.296 7.52	.203 5.16	.607 15.42	.737 18.72	.125 3.18	.046 1.17	Red	.140 3.56	1-331366-0	1-331366-1
16-14 2,050-5,180 [1.04-2.62]	.033 0.84	6 M3.5	.294 7.47	.203 5.16	.607 15.42	.737 18.72	.125 3.18	.047 1.19	Blue	.150 3.81	2-320861-2	2-320861-3
			.294 7.47	.203 5.16	.607 15.42	.737 18.72	.125 3.18	.047 1.19	Blue	.170 4.32	320861*	2-320861-1
			.328 8.33	.203 5.16	.607 15.42	.737 18.72	.125 3.18	.047 1.19	Blue	.170 4.32	324567*	—
		8 M4	.294 7.47	.203 5.16	.607 15.42	.737 18.72	.125 3.18	.047 1.19	Blue	.170 4.32	320862*	2-320862-1
			.416 10.57	.250 6.35	.654 16.61	.830 21.08	.171 4.34	.062 1.57	Blue	.150 3.81	33155*	—
			.416 10.57	.250 6.35	.654 16.61	.830 21.08	.171 4.34	.062 1.57	Blue	.170 4.32	33156	2-33156-1
		10	.294 7.47	.203 5.16	.607 15.42	.737 18.72	.125 3.18	.052 1.19	Blue	.170 4.32	320863*	2-320863-2
12-10 5,180-13,100 [2.62-6.64]	.042 1.07	6 M3.5	.296 7.52	.250 6.35	.841 21.36	1.017 25.83	.171 4.34	.052 1.32	Yellow	.230 5.84	324577	1-324577-0
			.296 7.52	.250 6.35	.841 21.36	1.017 25.83	.171 4.34	.052 1.32	Yellow	.250 6.35	325150*	—
			.328 8.33	.250 6.35	.841 21.36	1.017 25.83	.171 4.34	.052 1.32	Yellow	.230 5.84	324587	—
		8 M4	.416 10.57	.250 6.35	.841 21.36	1.017 25.83	.171 4.34	.052 1.32	Yellow	.230 5.84	32510*	2-32510-1
		10	.416 10.57	.250 6.35	.841 21.36	1.017 25.83	.171 4.34	.052 1.32	Yellow	.230 5.84	326865	2-326865-1
			.416 10.57	.250 6.35	.841 21.36	1.017 25.83	.171 4.34	.052 1.32	Yellow	.250 6.35	324015*	2-324015-1

*Available in small packaging quantities.
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

PIDG (Pre-Insulated Diamond Grip) (Continued)

Short Spring Spade Tongue Terminals



Material

Insulation — Nylon, UL 94V-2
Terminal Body — Phosphor Bronze per ASTM B-139
Metallic Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545

Related Product Data

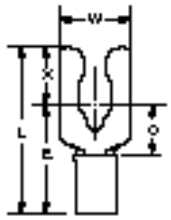
Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	C Min.	E Max.	L Max.	X	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Numbers Loose Piece	Part Numbers Tape Mounted
26-22 202-810 [0.10-0.41]	.020 0.51	2 M2	.171 4.34	.206 5.23	.537 13.64	.651 16.54	.109 2.77	Yellow	.082 2.08	52921*	52921-1
		4	.203 5.16	.219 5.56	.550 13.97	.695 17.65	.140 3.56	Yellow	.082 2.08	52922*	52922-1
		5 M3	.250 6.35	.203 5.16	.534 13.56	.679 17.25	.140 3.56	Yellow	.082 2.08	52923	52923-1
		6 M3.5	.250 6.35	.203 5.16	.534 13.56	.679 17.25	.140 3.56	Yellow	.082 2.08	52924*	52924-1
		8 M4	.375 9.53	.281 7.14	.612 15.54	.787 19.99	.170 4.32	Yellow	.082 2.08	52925	52925-1
22-16 509-3,260 [0.26-1.65]	.033 0.84	4	.203 5.16	.250 6.35	.654 16.61	.799 20.29	.140 3.56	Red	.125 3.18	52927*	52927-1
		5 M3	.250 6.35	.250 6.35	.654 16.61	.799 20.29	.140 3.56	Red	.125 3.18	52928*	52928-1
		6 M3.5	.250 6.35	.250 6.35	.654 16.61	.799 20.29	.140 3.56	Red	.125 3.18	52929*	52929-1
			.250 6.35	.250 6.35	.654 16.61	.799 20.29	.140 3.56	Red	.140 3.56	—	52929-3
		8 M4	.244 6.20	.281 7.14	.725 18.42	.895 22.73	.170 4.32	Red	.140 3.56	—	55768-1
			.375 9.53	.281 7.14	.685 17.40	.860 21.84	.170 4.32	Red	.125 3.18	52930*	52930-1
			.375 9.53	.281 7.14	.685 17.40	.860 21.84	.170 4.32	Red	.140 3.56	—	52930-3
		10	.406 10.31	.281 7.14	.685 17.40	.908 23.06	.218 5.54	Red	.125 3.18	52931*	52931-1
			.406 10.31	.281 7.14	.685 17.40	.908 23.06	.218 5.54	Red	.140 3.56	—	52931-3
		1/4 M6	.625 15.88	.343 8.71	.747 18.97	1.033 26.24	.281 7.14	Red	.125 3.18	52933*	—
16-14 2,050-5,180 [1.04-2.62]	.033 0.84	5 M3	.250 6.35	.250 6.35	.654 16.61	.799 20.29	.140 3.56	Blue	.170 4.32	52934*	52934-1
		6 M3.5	.250 6.35	.250 6.35	.654 16.61	.799 20.29	.140 3.56	Blue	.170 4.32	52935*	52935-1
			.250 6.35	.250 6.35	.654 16.61	.799 20.29	.140 3.56	Blue	.182 4.62	52935-2*	52935-3
		8 M4	.375 9.53	.281 7.14	.685 17.40	.860 21.84	.170 4.32	Blue	.170 4.32	52936*	52936-1
			.375 9.53	.281 7.14	.685 17.40	.860 21.84	.170 4.32	Blue	.182 4.62	52936-2	52936-3
		10	.406 10.31	.281 7.14	.685 17.40	.908 23.06	.218 5.54	Blue	.170 4.32	52937*	52937-1
			.406 10.31	.281 7.14	.685 17.40	.908 23.06	.218 5.54	Blue	.182 4.62	52937-2*	52937-3
		1/4 M6	.625 15.88	.343 8.71	.747 18.97	1.033 26.24	.281 7.14	Blue	.170 4.32	52939	—
12-10 5,180-13,100 [2.62-6.64]	.042 1.07	5 M3	.250 6.35	.169 4.29	.770 19.56	.959 24.36	.184 4.67	Yellow	.250 6.35	52940*	52940-1
		6 M3.5	.250 6.35	.174 4.42	.775 19.69	.959 24.36	.179 4.55	Yellow	.250 6.35	52941*	52941-1
		8 M4	.375 9.53	.276 7.01	.877 22.28	1.052 26.72	.170 4.32	Yellow	.250 6.35	52942*	52942-1
		10	.406 10.31	.276 7.01	.877 22.28	1.100 27.94	.218 5.54	Yellow	.250 6.35	52943*	52943-1
		1/4 M6	.625 15.88	.338 8.59	.939 23.85	1.225 31.12	.281 7.14	Yellow	.250 6.35	52945*	—

*Available in small packaging quantities.
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

PIDG (Pre-Insulated Diamond Grip) (Continued)

Long Spring Spade Tongue Terminals



Material

Insulation — Nylon, UL 94V-2
Terminal Body — Phosphor Bronze per ASTM B-139
Metallic Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545

Related Product Data

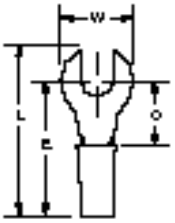
Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	C Min.	E Max.	L Max.	X	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Numbers Loose Piece	Tape Mounted
26-22 202-810 [0.10-0.41]	**.020** 0.51	6 M3.5	**.250** 6.35	**.235** 5.97	**.566** 14.38	**.847** 21.51	**.276** 7.01	Yellow	**.082** 2.08	52403	52403-1
22-16 509-3,260 [0.26-1.65]	**.033** 0.84	4	**.203** 5.16	**.201** 5.11	**.615** 15.62	**.896** 22.76	**.276** 7.01	Red	**.125** 3.18	52408	—
		6 M3.5	**.250** 6.35	**.238** 6.05	**.652** 16.56	**.933** 23.70	**.276** 7.01	Red	**.125** 3.18	52409*	52409-1
			.250 6.35	**.238** 6.05	**.652** 16.56	**.933** 23.70	**.276** 7.01	Red	**.140** 3.56	52409-2	52409-3
		8 M4	**.281** 7.14	**.270** 6.86	**.684** 17.37	**.979** 24.87	**.290** 7.37	Red	**.125** 3.18	52410*	52410-1
		10	**.343** 8.71	**.283** 7.19	**.697** 17.70	**1.005** 25.53	**.303** 7.70	Red	**.125** 3.18	52411*	52411-1
16-14 2,050-5,180 [1.04-2.62]	**.033** 0.84	6 M3.5	**.250** 6.35	**.238** 6.05	**.652** 16.56	**.933** 23.70	**.276** 7.01	Blue	**.150** 3.81	52420*	52420-2
			.250 6.35	**.238** 6.05	**.652** 16.56	**.933** 23.70	**.276** 7.01	Blue	**.170** 4.32	52420-1*	52420-3
		8 M4	**.281** 7.14	**.270** 6.86	**.684** 17.37	**.979** 24.87	**.290** 7.37	Blue	**.150** 3.81	52421*	—
			.281 7.14	**.270** 6.86	**.684** 17.37	**.979** 24.87	**.290** 7.37	Blue	**.170** 4.32	52421-1*	52421-3
		10	**.343** 8.71	**.283** 7.19	**.697** 17.70	**1.005** 25.53	**.303** 7.70	Blue	**.170** 4.32	52422-1*	52422-3
		1/4 M6	**.437** 11.10	**.345** 8.76	**.759** 19.28	**1.102** 27.99	**.338** 8.59	Blue	**.150** 3.81	52423	52423-2
12-10 5,180-13,100 [2.62-6.64]	**.042** 1.07	6 M3.5	**.312** 7.92	**.242** 6.15	**.843** 21.41	**1.131** 28.73	**.283** 7.19	Yellow	**.230** 5.84	52430	52430-2
			.312 7.92	**.242** 6.15	**.843** 21.41	**1.131** 28.73	**.283** 7.19	Yellow	**.250** 6.35	52430-1	52430-3
		8 M4	**.375** 9.53	**.273** 6.93	**.874** 22.20	**1.174** 29.82	**.295** 7.49	Yellow	**.250** 6.35	52431-1	52431-3
		10	**.375** 9.53	**.305** 7.75	**.906** 23.01	**1.219** 30.96	**.308** 7.82	Yellow	**.230** 5.84	—	52432-2
			.375 9.53	**.305** 7.75	**.906** 23.01	**1.219** 30.96	**.308** 7.82	Yellow	**.250** 6.35	52432-1	52432-3
		1/4 M6	**.437** 11.10	**.345** 8.76	**.946** 24.03	**1.289** 32.74	**.338** 8.59	Yellow	**.250** 6.35	52433-1	—

*Available in small packaging quantities.
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

PIDG (Pre-Insulated Diamond Grip) (Continued)

Slotted Ring Tongue Terminals



Material

Insulation — Nylon except where noted.
Terminal Body and Metallic Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545

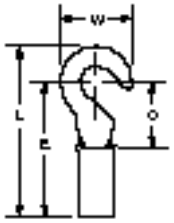
Related Product Data

Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	C Min.	E Max.	L Max.	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Numbers Loose Piece	Part Numbers Tape Mounted
26-22 202-810 [0.10-0.41]	**.020** 0.51	6 M3.5	**.250** 6.35	**.281** 7.14	**.612** 15.54	**.719** 18.26	Yellow	**.082** 2.08	323011	2-323011-2
22-16 509-3,260 [0.26-1.65]	**.033** 0.84	6 M3.5	**.312** 7.92	**.281** 7.14	**.685** 17.40	**.828** 21.03	Red	**.140** 3.56	35216*	2-35216-1
		8 M4	**.281** 7.14	**.250** 6.35	**.654** 16.61	**.770** 19.56	Red	**.140** 3.56	36954*	2-36954-2
		10	**.312** 7.92	**.281** 7.14	**.685** 17.40	**.812** 20.62	Red	**.125** 3.18	331453	1-331453-0
		1/4 M6	**.469** 11.91	**.437** 11.10	**.841** 21.36	**1.039** 26.39	Red	**.125** 3.18	321808	—
16-14 2,050-5,180 [1.04-2.62]	**.033** 0.84	6 M3.5	**.343** 8.71	**.281** 7.14	**.685** 17.40	**.844** 21.44	Blue	**.170** 4.32	34406	—
		8 M4	**.344** 8.74	**.281** 7.14	**.685** 17.40	**.837** 21.26	Blue	**.170** 4.32	35440	—
16-14 HD 2,050-5,180 [1.04-2.62]	**.048** 1.22	3/8	**.750** 19.05	**.625** 15.88	**1.216** 30.89	**1.594** 40.49	Yellow/Black	**.250** 6.35	696077-2	696077-1
12-10 5,180-13,100 [2.62-6.64]	**.042** 1.07	1/4 M6	**.531** 13.49	**.468** 11.89	**1.156** 29.36	**1.390** 35.31	Yellow	**.300** 7.62	321611[1]	—
	.040 1.02	3/8	**.750** 19.05	**.625** 15.88	**1.216** 30.89	**1.594** 40.49	Yellow	**.250** 6.35	696076-2	696076-1

*Available in small packaging quantities.
[1]Insulation — Vinyl.
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

Hook Tongue Terminals



Material

Insulation — Nylon except where noted.
Terminal Body and Metallic Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545

Related Product Data

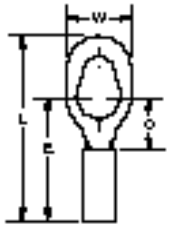
Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	C Min.	E Max.	L Max.	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Numbers Loose Piece	Part Numbers Tape Mounted
22-16 509-3,260 [0.26-1.65]	0.84 **.033**	6 M3.5	**.281** 7.14	**.203** 5.16	**.607** 15.42	**.750** 19.05	Red	**.140** 3.56	34313*	—
		8 M4	**.343** 8.71	**.296** 7.52	**.705** 17.91	**.879** 22.33	Red	**.140** 3.56	32456	—
16-14 2,050-5,180 [1.04-2.62]	**.033** 0.84	6 M3.5	**.343** 8.71	**.281** 7.14	**.685** 17.40	**.859** 21.82	Blue	**.150** 3.81	320381	2-320381-1
		8 M4	**.343** 8.71	**.281** 7.14	**.685** 17.40	**.859** 21.82	Blue	**.170** 4.32	320306*	2-320306-1
		10	**.343** 8.71	**.281** 7.14	**.685** 17.40	**.859** 21.82	Blue	**.170** 4.32	35481[1]	—

*Available in small packaging quantities.
[1]Insulation — Vinyl.
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

PIDG (Pre-Insulated Diamond Grip) (Continued)

Multiple Stud Terminals



Material

Insulation — Nylon, UL 94V-2
Terminal Body — Copper per ASTM B-152
Plating — Tin per ASTM B-545
Metallic Sleeve — Copper per ASTM B-152
Plating — Nickel per QQ-N-290

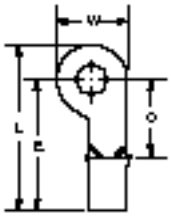
Related Product Data

Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	C Min.	E Max.	L Max.	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Numbers Loose Piece	Part Numbers Tape Mounted
22-16 509-3,260 [0.26-1.65]	**.033** 0.84	6-8-10	**.325** 8.26	**.281** 7.14	**.685** 17.40	**.957** 24.31	Red	**.125** 3.18	54771-1*	54771-2
12-10 5,180-13,100 [2.62-6.64]	**.042** 1.07	6-8-10	**.325** 8.26	**.302** 7.67	**.893** 22.68	**1.165** 29.59	Yellow	**.230** 5.84	54773-1*	—

*Available in small packaging quantities.
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

Offset Ring Tongue Terminals



Material

Insulation — Nylon, UL 94V-2
Terminal Body and Metallic Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545

Related Product Data

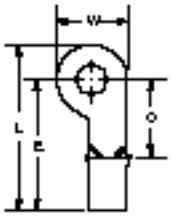
Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	C Min.	E Max.	L Max.	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Numbers Loose Piece
22-16 509-3,260 [0.26-1.65]	**.033** 0.84	6 M3.5	**.375** 9.53	**.312** 7.92	**.716** 18.19	**.906** 23.01	Red	**.125** 3.18	323039
			.375 9.53	**.312** 7.92	**.716** 18.19	**.906** 23.01	Red	**.125** 3.18	324011
16-14 2,050-5,180 [1.04-2.62]	**.033** 0.84	6 M3.5	**.375** 9.53	**.312** 7.92	**.716** 18.19	**.906** 23.01	Blue	**.150** 3.81	323817
		10	**.375** 9.53	**.312** 7.92	**.716** 18.19	**.906** 23.01	Blue	**.150** 3.81	323818

Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

PIDG (Pre-Insulated Diamond Grip) (Continued)

Offset Ring Tongue Terminals
(Insulation Restricting)



Material

Insulation — Nylon, UL 94V-2
Terminal Body and Metallic Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545

Related Product Data

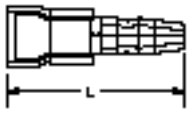
Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Stud Size	Dimensions W	Dimensions C Min.	Dimensions E Max.	Dimensions L Max.	Terminal Insulation Color Solid/Stripe	Wire Insulation Diameter Range	Part Numbers Loose Piece
22 754 [0.38]	**.033** 0.84	6 M3.5	**.375** 9.53	**.312** 7.92	**.758** 19.25	**.946** 24.03	Red/Green	**.038-.110** 0.97-2.79	52284-4
20 1,186 [0.60]	**.033** 0.84	6 M3.5	**.375** 9.53	**.312** 7.92	**.758** 19.25	**.946** 24.03	Red/Red	**.046-.110** 1.17-2.79	52284-2
		10	**.375** 9.53	**.312** 7.92	**.758** 19.25	**.946** 24.03	Red/Red	**.046-.110** 1.17-2.79	52284-3
16 2,800 [1.42]	**.033** 0.84	6 M3.5	**.375** 9.53	**.312** 7.92	**.748** 19.00	**.938** 23.83	Blue/Blue	**.063-.130** 1.60-3.30	52283-2
14 4,234 [2.15]	**.033** 0.84	10	**.375** 9.53	**.312** 7.92	**.748** 19.00	**.938** 23.83	Blue/Green	**.078-.130** 1.98-3.30	52283-1

Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

PIDG (Pre-Insulated Diamond Grip) (Continued)

Shur-Plug Terminal



.156 Series

Material

Insulation — Nylon, UL 94V-2
Terminal Body and Metallic Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545

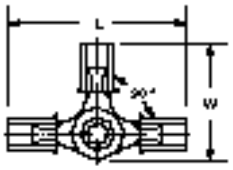
Related Product Data

Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Dimension L Max.	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Numbers Loose Piece	Part Numbers Tape Mounted
16-14 2,050-5,180 [1.04-2.62]	**.790** 20.07	Blue	**.170** 4.32	324225*	2-324225-1
16-14 Receptacle 2,050-5,180 [1.04-2.62]	**.768** 19.51	Blue	**.157** 3.99	165429-1	—

*Available in small packaging quantities.

3-Way Connector Terminal



Material

Insulation — Nylon, UL 94V-2
Terminal Body and Metallic Sleeve — Copper per ASTM B-152
Rivet — Brass per QQ-B-626
Plating — Tin per ASTM B-545

Related Product Data

Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Dimensions W Max.	Dimensions L Max.	Terminal Insulation Color	Wire Insulation Diameter Max.	Part Number Loose Piece
16-14 2,050-5,180 [1.04-2.62]	**.033** 0.84	**.859** 21.82	**1.370** 34.80	Blue	**.170** 4.32	53222-1*

*Available in small packaging quantities.

PIDG (Pre-Insulated Diamond Grip) (Continued)

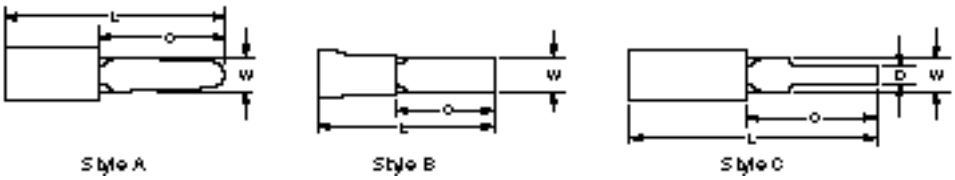
Tabs

Material

Insulation — Nylon, UL 94V-2
Terminal Body and Metallic Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545

Related Product Data

Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

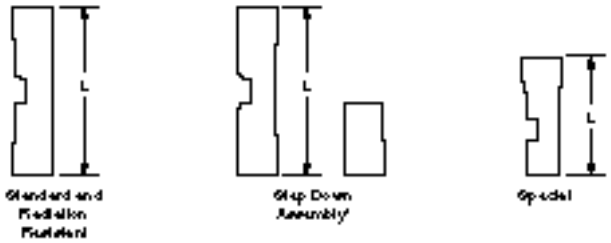


Wire Size Circular Mils [mm²]	Tongue Material Thickness Max.	Style	Dimensions				Terminal Insulation Color	Wire Insulation Diameter Max.	Part Numbers
			W	C Min.	L Max.	D			Loose Piece
22-16 509-3,260 [0.26-1.65]	**.033** 0.84	A	**.140** 3.56	**.480** 12.19	**.904** 22.96	—	Red	**.140** 3.56	34294*
16-14 2,050-5,180 [1.04-2.62]	**.033** 0.84	B	**.156** 3.96	**.375** 9.53	**.809** 20.55	—	Blue	**.170** 4.32	327748
12-10 5,180-13,100 [2.62-6.64]	**.042** 1.07	C	**.225** 5.72	**.600** 15.24	**1.194** 30.33	**.125** 3.18	Yellow	**.230** 5.84	324543*

*Available in small packaging quantities.
Note: "C" dimension applies from edge of metal wire barrel to end of tab.

PIDG (Pre-Insulated Diamond Grip) (Continued)

Butt Splices



Material

Insulation Sleeve — Standard, Step Down Assembly and Special – Nylon
Radiation Resistant – Polyvinylidene Fluoride (PVF_2)
Splice Body and Insulation Support Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545

Related Product Data

Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils² [mm²]	Style	Dimension L Max.	Splice Insulation Color	Wire Insulation Diameter Max.	Part Numbers	
					Loose Piece	Tape Mounted
26-24[3] 238-475 [0.12-0.24]	Standard	**.890** 22.61	Yellow	**.082** 2.08	323994	2-323994-1
26-22 202-810 [0.10-0.41]		**.890** 22.61	Yellow	**.082** 2.08	2-323994-2*	—
24-20 320-1,290 [0.16-0.65]		**1.035** 26.29	Natural	**.100** 2.54	323975	2-323975-3
22-16[4] 509-3,260 [0.26-1.65]		**1.265** 32.13	Red	**.125** 3.18	320559*	2-320559-4
16-14 2,050-5,180 [1.04-2.62]		**1.265** 32.13	Blue	**.150** 3.81	320562*	2-320562-3
12-10 5,180-13,100 [2.62-6.64]		**1.656** 42.06	Yellow	**.220** 5.59	320570*	2-320570-3†
16-14 2,050-5,180 [1.04-2.62] to 22-18 509-1,900 [0.26-0.96]	Step Down Assembly	**1.265** 32.13	Blue	**.150/.115** 3.81/2.92	327583	2-327583-1
12-10 5,180-13,100 [2.62-6.64] to 22-18 509-1,900 [0.26-0.96]		**1.656** 42.06	Yellow	**.220/.140** 5.59/3.56	327639	—
12-10 5,180-13,100 [2.62-6.64] to 16-14 2,050-5,180 [1.04-2.62]		**1.656** 42.06	Yellow	**.220/.170** 5.59/4.32	327638	—
26-24[3] 238-475 [0.12-0.24]	Radiation Resistant	**.890** 22.61	Natural w/ Yellow Stripes	**.082** 2.08	53546-1	—
26-22 202-810 [0.10-0.41]		**.890** 22.61	Natural w/ Yellow Stripes	**.082** 2.08	53546-3	—
24-20 320-1,290 [0.16-0.65]		**1.035** 26.29	Natural w/ White Stripes	**.100** 2.54	53547-1	53547-2
22-16[4] 509-3,260 [0.26-1.65]		**1.265** 32.13	Natural w/ Red Stripes	**.125** 3.18	53548-1*	53548-2
16-14 2,050-5,180 [1.04-2.62]		**1.265** 32.13	Natural w/ Blue Stripes	**.150** 3.81	53549-1*	53549-2
12-10 5,180-13,100 [2.62-6.64]		**1.656** 42.06	Natural w/ Yellow Stripes	**.220** 5.59	53550-1*	—
12-10 5,180-13,100 [2.62-6.64]	Special	**1.245** 31.62	Yellow	**.220** 5.59	328961[5]	—

*Available in small packaging quantities.
[1]Includes adapter insert.
[2]When using two or more wires in either end of a butt splice, the combined cross sectional area must be within the (CMA) circular mil area range listed.
[3]26-24 range in accordance with MIL-T-7928.
[4]22-16 splices are 22-18 range in accordance with MIL-T-7928.
[5]12-10 butt splice, threaded 8-32 one end.
†Tapetronic only.

PIDG (Pre-Insulated Diamond Grip) (Continued)

Butt Splice Step Down Adapter Inserts[1]

Material

Adapter Body — Copper per ASTM B-152
Plating — Zinc Plate / DyeChromate

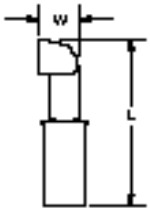
Related Product Data

Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Butt Splice		Adapter Insert			
Wire Size Circular Mils [mm²]	Part No.	Wire Size Circular Mils [mm²]	Dimension L	Color Code	Part Numbers
16-14 2,050-5,180 [1.04-2.62]	320562	22-18 509-1,900 [0.26-0.96]	**.350** 8.89	Red	1-327635-1
			.402 10.21	Red	327635*
12-10 5,180-13,100 [2.62-6.64]	320570	22-18 509-1,900 [0.26-0.96]	**.562** 14.27	Red	327636*
		16-14 2,050-5,180 1.04-2.62]	**.562** 14.27	Blue	327637*

*Available in small packaging quantities.
[1]Adapter inserts can be ordered separately for use in specific Standard PIDG Butt Splices.

Knife Disconnect Splices



Material

Insulation — Nylon, UL 94V-2
Splice Body and Metallic Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545

Related Product Data

Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 72

Wire Size Circular Mils [mm²]	Material Thickness	Dimensions W	Dimensions L Max.	Splice Insulation Color	Wire Insulation Diameter Max.	Part Numbers Loose Piece	Part Numbers Tape Mounted
22-16 509-3,260 [0.26-1.65]	**.031** 0.79	**.203** 5.16	**.878** 22.30	Red	**.125** 3.18	320555*	—
		.203 5.16	**.878** 22.30	Red	**.140** 3.56	32446*	2-32446-1
16-14 2,050-5,180 [1.04-2.62]	**.031** 0.79	**.203** 5.16	**.878** 22.30	Blue	**.150** 3.81	320566*	—
		.203 5.16	**.878** 22.30	Blue	**.170** 4.32	32448*	—
12-10 5,180-13,100 [2.62-6.64]	**.040** 1.02	**.281** 7.14	**1.234** 31.34	Yellow	**.230** 5.84	320620*	—
		.281 7.14	**1.260** 32.00	Yellow	**.250** 6.35	35762*	—

*Available in small packaging quantities.

PIDG FASTON

Product Facts

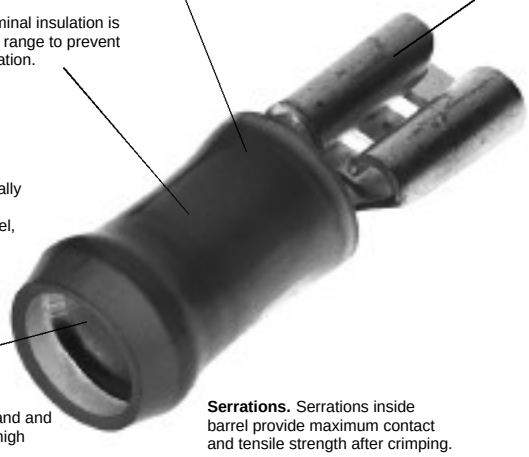
- **Pre-insulated terminal designed for uniformed reliability in most difficult circuit environment**
- **Consists of an unplated or tin-plated brass body or a tin-plated phosphor bronze body with a specially designed copper sleeve and insulation sleeve fitted over the terminal barrel**
- **Design of the tool dies and construction of the terminal permits uniform insulation thickness under crimping pressure, transmitting this pressure evenly to the center of the crimp area**

The AMP Mated Tool/Terminal Concept

- **AMP compression crimping produces crimps for a given size wire and terminal that are alike in appearance and performance**
- **Terminal and the crimping tool are designed as uniform matched devices**
- **Dies are precision-engineered from the finest hard-metal alloys**
- **Crimping pressure is controlled by a ratchet device on the hand tool or a corresponding pre-calibration in the crimping jaws of AMP automated crimping machines**

The Crimp

- **When done properly, crimping pressure can neither overstress nor understress the terminal barrel—machined dies fully bottom to the precise crimp height**
- **Resulting termination is free of contamination**
- **Resistant to shock and critical environments**
- **Tensile strength approaches that of the wire itself**



Temperature Rating: 105°C Max.

AMP PIDG FASTON Terminals (Use Type TETRA-CRIMP*Tooling)

AMP Wire Range	Component Recognized File E 66717	LR 7189 Certified
22-18	22-18 Stranded	300 V Max., 105°C. Max.[1]
16-14	16-14 Stranded	
12-10	12-10 Stranded	

[1]UL& CSA— Nylon except where noted

AMP PIDG FASTON Line Splice Connectors "250" Series

Component Recognized File E 66717	105°C Max. (Vinyl)	LR 7189 Certified	105°C Max. (Vinyl)
AMPPart No. 1-321235-0 1-321235-1	600 V Max.	AMPPart No. 1-321235-0 1-321235-1	300 V Max.
321235 321688	300 V Max.	321235 321688	300 V Max.

Table of Contents

PIDG FASTON (Continued)

PIDG FASTON

Receptacles

Receptacle Style:

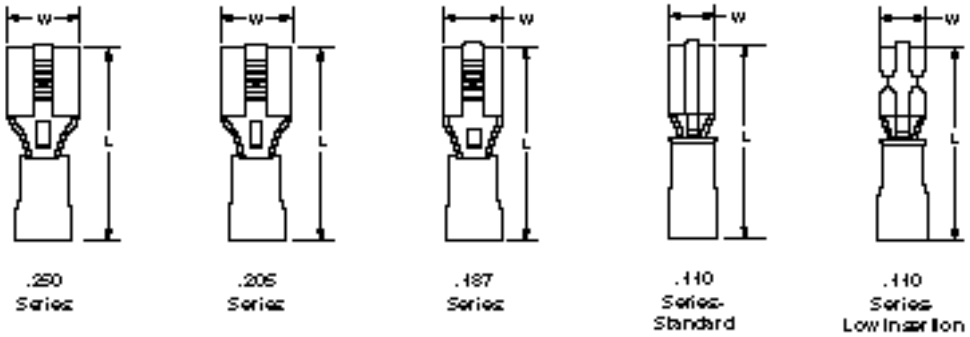
A — No dimple with wire stop
B — Dimple with wire stop
C — No dimple, no wire stop

Material

Insulation — Nylon, UL 94V-2
Receptacle Body — Brass per ASTM B-36 or Phosphor Bronze per ASTM B-139
Plating — Tin per ASTM B-545 except where noted.
Metallic Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545

Related Product Data

Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 73



Series	Wire Size Circular Mils [mm²]	Style	Dimensions W Nom.	Dimensions L Max.	Terminal Insulation Color	Wire Insulation Diameter Max.	Recept. Matl.	Stock Thk.	Fits Tab Thk.	Part Numbers Loose Piece	Part Numbers Tape Mounted	Part Numbers Strip Form
.250	22-18 509-1,900 [0.26-0.96]	B	**.300** 7.62	**.900** 22.86	Red	**.140** 3.56	Brass	**.018** 0.46	**.032** 0.81	640903-1*	640903-2	640902-1
			.300 7.62	**.900** 22.86	Red	**.140** 3.56	Brass	**.018** 0.46	**.032** 0.81	55675-1[2]	55675-2[2]	—
	16-14 2,050-5,180 [1.04-2.62]	B	**.300** 7.62	**.900** 22.86	Blue	**.170** 4.32	Brass	**.018** 0.46	**.032** 0.81	640905-1*	640905-2	640904-1
	14-12 3,831-6,470[1] [1.94-3.28]	B	**.300** 7.62	**1.012** 25.70	Green	**.250** 6.35	Brass	**.018** 0.46	**.032** 0.81	42844-1*†	42844-3†	60544-3†
			.300 7.62	**1.012** 25.70	Green	**.250** 6.35	Phos. Brz.	**.018** 0.46	**.032** 0.81	42844-2*†	—	—
	12-10 5,180-13,100 [2.62-6.64]	B	**.300** 7.62	**1.012** 25.70	Yellow	**.250** 6.35	Brass	**.018** 0.46	**.032** 0.81	640907-1*	640907-2	640906-1
			.300 7.62	**1.012** 25.70	Yellow	**.250** 6.35	Phos. Brz.	**.018** 0.46	**.032** 0.81	61198-2	61198-4	—
.250 Low Insertion	22-18 509-1,900 [0.26-0.96]		**.300** 7.62	**.900** 22.86	Red	**.145** 3.68	Brass	**.016** .406	**.032** .813	184262-1	184262-2	184261-1
	16-14 2,050-5,180 [1.04-2.62]		**.300** 7.62	**.900** 22.86	Blue	**.173** 4.39	Brass	**.016** .406	**.032** .813	184265-1	184265-2	184264-1
.205	22-18 509-1,900 [0.26-0.96]	B	**.250** 6.35	**.800** 20.32	Red	**.135** 3.43	Brass	**.016** 0.41	**.020** 0.51	696018-1	696018-2	—
			.250 6.35	**.800** 20.32	Red	**.140** 3.56	Brass	**.016** 0.41	**.020** 0.51	640909-1*	640909-2	640908-1
			.250 6.35	**.800** 20.32	Red/Black	**.140** 3.56	Brass	**.016** 0.41	**.020** 0.51	640174-1	—	—
			.250 6.35	**.800** 20.32	Red	**.140** 3.56	Brass	**.016** 0.41	**.032** 0.81	640911-1*	640911-2	640910-1
	16-14 2,050-5,180 [1.04-2.62]	B	**.250** 6.35	**.800** 20.32	Blue	**.170** 4.32	Brass	**.016** 0.41	**.020** 0.51	640913-1*	640913-2	—
			.250 6.35	**.800** 20.32	Blue	**.170** 4.32	Brass	**.016** 0.41	**.032** 0.81	640915-1*	640915-2	—
.187	26-24 238-475 [0.12-0.24]	B	**.230** 5.84	**.700** 17.78	Yellow	**.082** 2.08	Brass	**.016** 0.41	**.020** 0.51	641321-1*†	641321-2†	641320-1†
	22-18 509-1,900 [0.26-0.96]	B	**.230** 5.84	**.800** 20.32	Red	**.140** 3.56	Brass	**.016** 0.41	**.020** 0.51	640917-1*	640917-2	640916-1
			.230 5.84	**.800** 20.32	Red	**.140** 3.56	Brass	**.016** 0.41	**.040** 1.02	—	640578-2†	—

†Not ULor CSAapproved or listed.
*Available in small packaging quantities.
[1]Wire range is limited as noted.
[2]Unplated receptacle body.

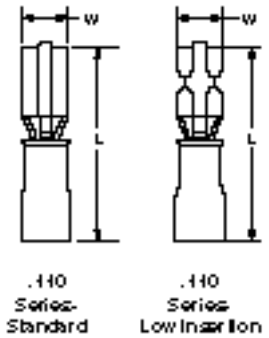
PIDG FASTON (Continued)

Receptacles (Continued)

Series	Wire Size Circular Mils [mm²]	Style	Dimensions W Nom.	Dimensions L Max.	Terminal Insulation Color	Wire Insulation Diameter Max.	Recept. Matl.	Stock Thk.	Fits Tab Thk.	Part Numbers Loose Piece	Part Numbers Tape Mounted	Part Numbers Strip Form
.187	16-14 2,050-5,180 [1.04-2.62]	B	**.230** 5.84	**.800** 20.32	Blue	**.170** 4.32	Brass	**.016** 0.41	**.020** 0.51	640919-1*	640919-2	640918-1
			.230 5.84	**.900** 22.86	Blue	**.250** 6.35	Brass	**.016** 0.41	**.020** 0.51	696108-1	696108-2	—
.187 Low Insertion	22-18 509-1,900 [0.26-0.96]		**.230** 5.84	**.800** 22.86	Red	**.145** 3.68	Brass	**.016** .406	**.032** .813	184268-1	184268-2	184267-1
	16-14 2,050-5,180 [1.04-2.62]		**.300** 7.62	**.900** 22.86	Blue	**.173** 4.39	Brass	**.016** .406	**.032** .813	184235-1	184235-2	184234-1
.110 Standard	22-18 509-1,900 [0.26-0.96]	B	**.148** 3.76	**.734** 18.64	Natural	**.110** 2.79	Brass	**.012** 0.30	**.016** 0.41	61048-1*†	61048-2†	—
			.148 3.76	**.734** 18.64	Natural	**.110** 2.79	Brass	**.012** 0.30	**.020** 0.51	61060-1*†	61060-2†	61059-2†
			.148 3.76	**.734** 18.64	Natural	**.110** 2.79	Brass	**.012** 0.30	**.032** 0.81	60894-1*†	60894-2†	60893-2†
			.148 3.76	**.734** 18.64	Black	**.110** 2.79	Brass	**.012** 0.30	**.032** 0.81	—	61678-2†	—
.110 Low Insertion	26-24 238-475 [0.12-0.24]	A	**.160** 4.06	**.700** 17.78	Yellow	**.082** 2.08	Brass	**.016** 0.41	**.020** 0.51	641324-1†	641324-2†	—
	22-18 509-1,900 [0.26-0.96]	A	**.160** 4.06	**.796** 20.22	Red	**.140** 3.56	Brass	**.016** 0.41	**.012** 0.30	—	—	350871-1†
			.160 4.06	**.800** 20.32	Red	**.140** 3.56	Brass	**.016** 0.41	**.016** 0.41	640921-1	640921-2	—
			.160 4.06	**.800** 20.32	Red	**.140** 3.56	Brass	**.016** 0.41	**.020** 0.51	640923-1*	640923-2	640922-1
			.160 4.06	**.800** 20.32	Red	**.140** 3.56	Brass	**.016** 0.41	**.032** 0.81	640925-1*	640925-2	640924-1
	16-14 2,050-5,180 [1.04-2.62]	A	**.160** 4.06	**.800** 20.32	Blue	**.170** 4.32	Brass	**.016** 0.41	**.020** 0.51	640929-1*	640929-2	—
		A	**.160** 4.06	**.800** 20.32	Blue	**.170** 4.32	Brass	**.016** 0.41	**.032** 0.81	640931-1*	640931-2	—
		B	**.160** 4.06	**.800** 20.32	Blue	**.170** 4.32	Brass	**.016** 0.41	**.016** 0.41	640927-1	640927-2	—
		C	**.160** 4.06	**.796** 20.19	Blue	**.170** 4.32	Brass	**.016** 0.41	**.032** 0.81	641317-1	—	—

†Not UL or CSAapproved or listed.
*Available in small packaging quantities.

Receptacles
(Insulation Restricting)



Material

Insulation — Nylon, UL 94V-2
Receptacle Body — Brass per ASTM B-36
Receptacle Style B — Dimple with wire stop
Plating — Tin per ASTM B-545
Metallic Sleeve — Copper per ASTM B-152
Plating — Tin per ASTM B-545 or Nickel per QQ-N-290

Related Product Data

Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5
Application Tooling — pg. 73

Series	Wire Size Circular Mils [mm²]	Style	Dimensions W Nom.	Dimensions L Max.	Terminal Insulation Color Solid / Stripe	Wire Insulation Diameter Range	Recept. Matl.	Stock Thk.	Fits Tab Thk.	Part Numbers Loose Piece	Part Numbers Tape Mounted	Part Numbers Strip Form
.110 Standard	22 754 [0.38]	B	**.148** 3.76	**.780** 19.81	Red/ Green	**.040-.080** 1.02-2.03	Brass	**.012** 0.30	**.016** 0.41	55319-1	55319-3	—

Dimensions are shown for reference purposes only.

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Specifications subject to change.

Technical Support Center
1-800-522-6752
www.amp.com

PIDG FASTON (Continued)

Line Splice Connector for "250" Series Terminals

Material

Insulation — Vinyl, UL 94V-0
Color — Natural
Splice Body — Brass per ASTM B-36
Plating — Tin per ASTM B-545 except where noted.

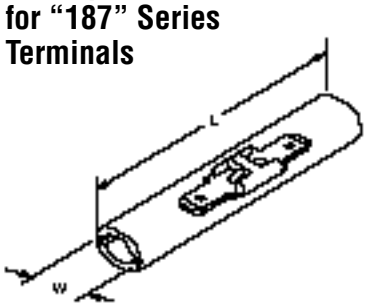
Related Product Data

Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5

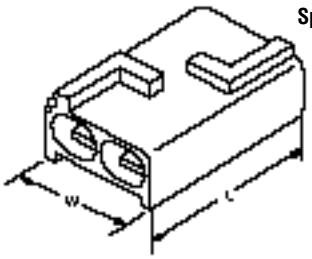
Wire Size	Plating	Dimensions W	Dimensions L Max.	Dimensions E Min.	Part Numbers Loose Piece
22-10	Unplated	**.391** 9.93	**2.093** 53.16	**.860** 21.84	321235*
	Tin	**.391** 9.93	**2.093** 53.16	**.860** 21.84	321688
	Unplated	**.409** 10.39	**2.625** 66.68	**1.151** 29.24	1-321235-0
	Tin	**.409** 10.39	**2.625** 66.68	**1.151** 29.24	1-321235-1
	Unplated	**.409** 10.39	**2.451** 62.26	**.970**[2] 24.64	1-321235-3[1]

*Available in small packaging quantities.
[1]Oval expansion at end opposite "w". (.380 x .320 inside diameter.)
[2]E min. on expansion end only.

Line Splice Connector for "187" Series Terminals



Single



Dual

Material

Housing — Nylon, UL 94V-2
Splice Body — Brass per ASTM B-36

Related Product Data

Insulation Color Code — pg. 4
Packaging Quantities — pg. 4
Performance Specifications — pgs. 4 & 5

Type	Housing Color	Dimensions W	Dimensions L	Temperature Rating	Part Numbers Loose Piece
Single	Natural	**.345** 8.76	**1.750** 44.45	—	360035-1†
Dual	Natural	**.650** 16.51	**1.750** 44.45	105°C	360025-1†
Dual	Black	**.650** 16.51	**1.750** 44.45	150°C	360025-2†

†ULFile E66717
600 V Max

Receptacle (Low Insertion Force)

Series	Wire Size Circular Mils [mm²]	Dimensions W Nom.	Dimensions L Max.	Terminal Insulation Color	Wire Insulation Diameter Max.	Recept. Matl.	Stock Thk.	Fits Tab Thk.	Part Numbers Loose Piece	Part Numbers Tape Mounted	Part Numbers Strip Form
.250 Low Insertion	22-18 509-1,900 [0.26-0.96]	**.300** 7.62	**.900** 22.86	Red	**.145** 3.68	Brass	**.016** .406	**.032** .813	184262-1	184262-2	184261-1
.250 Low Insertion	16-14 2,050-5,180 [1.04-2.62]	**.300** 7.62	**.900** 22.86	Blue	**.173** 4.39	Brass	**.016** .406	**.032** .813	184265-1	184265-2	184264-1
.187 Low Insertion	22-18 509-1,900 [0.26-0.96]	**.230** 5.84	**.800** 22.86	Red	**.145** 3.68	Brass	**.016** .406	**.032** .813	184268-1	184268-2	184267-1
.187 Low Insertion	16-14 2,050-5,180 [1.04-2.62]	**.300** 7.62	**.900** 22.86	Blue	**.173** 4.39	Brass	**.016** .406	**.032** .813	184235-1	184235-2	184234-1