Crimp Terminal Lugs for TurboFlex®

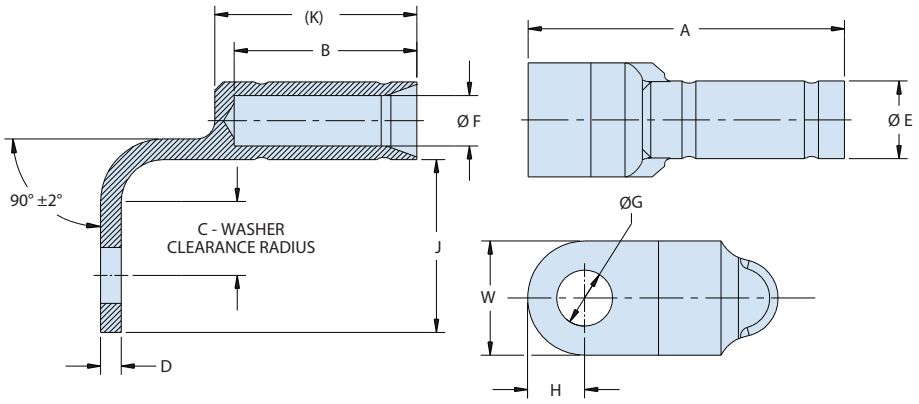
851-010 90° lug

GENERAL-DUTY • ALUMINUM CORE

MATERIAL SPECIFICATIONS

Lug material: High-conductivity copper alloy
Finish: Nickel plate per AMS2403, AMS 2404, or AMS2424

HOW TO ORDER					
Sample Part Number		**851-010**	**C**	**164**	**-1**
Basic Part Number	Crimp Terminal Lugs for TurboFlex cable				
AWG Code / Size	See Size Code table				
Nominal Stud Size Dash No.	See Dimensions table				
Autoshrink Option	Add dash no. to include Autoshrink (See Tables). Omit for lug only.				



AUTOSHRINK DASH NO.	
Code	**Color**
-0	Black
-1	Brown
-2	Red
-3	Orange
-4	Yellow
-5	Green
-6	Blue
-7	Violet
-8	Gray
-9	White

AUTOSHRINK BASE PART NUMBER		
Terminal Base		**Base P/N (Ref.)**
12-10	12	777-035-0080-1
	10	777-035-0125-1
8		777-035-0156-1.5
6		777-035-0156-1.5
4		777-035-0250-2
2		777-035-0250-2
0		777-004-02-2
00		777-004-02-2
000		777-004-02-3
0000		777-004-02-3

COPPER TERMINAL CRIMP TOOL AND DIE SET				
Lug Size	**AS5259/1 Crimping Head* Die Set**	**AS5259/4 Crimping Head* Die Set**	**AS5259/3 Crimping Tool Die Set**	**AS5259/5 Crimping Tool Die Set**
12-10	See note below**			
8	MS90485-8	M5259/7-001	MS90485-8	M5259/7-001
6	MS90485-6	M5259/7-002	MS90485-6	M5259/7-002
4	MS90485-4	M5259/7-003	MS90485-4	M5259/7-003
2	MS90485-2	M5259/7-004	MS90485-2	M5259/7-004
0	MS90485-01	M5259/7-006	MS90485-01	M5259/7-006
00	MS90485-02	M5259/7-007	MS90485-02	M5259/7-007
000	MS90485-03	N/A	N/A	N/A
0000	MS90485-04	N/A	N/A	N/A

*Requires Pump per AS5259/2.
Removal or cutting off of flash after crimping will result in exposed base metal. Glenair Autoshrink may be applied over the crimp barrel and wire, to environmentally protect exposed area. (see How to Order for Autoshrink option)
**Crimp size 12-10 lugs using tool M22520/38-01, cavity c, yellow (12 or 10awg wire).

SIZE CODE									
Terminal Size	**12-10**	**8**	**6**	**4**	**2**	**0**	**00**	**000**	**0000**
AWG Code	B	C	D	E	F	G	H	I	J

WIRE STRIP LENGH									
Terminal Size	**12-10**	**8**	**6**	**4**	**2**	**0**	**00**	**000**	**0000**
Strip Length	.51 (12.95)	.70 (17.78)	.75 (19.05)	.87 (22.10)	1.03 (26.16)	1.09 (27.69)	1.21 (30.73)	1.42 (36.07)	1.62 (41.15)

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Dimensions in Inches (millimeters) are subject to change without notice.

Crimp Terminal Lugs for TurboFlex®

851-010 90° lug

DIMENSIONS																
Stud Size Dash No.	Wire Size	Stud Size	A Max	B Min	C Min Rad	D		Ø E O.D.	Ø F I.D.	G		W & H*		(K)	J
						Max	Min			Max	Min	Max	Min		
164	8	8 (.164)	1.187 (30.15)	.633 (16.08)	.234 (5.94)	.084 (2.13)	.064 (1.63)	.285 (7.24)	.183 (4.65); .173 (4.39)	.178 (4.52)	.168 (4.27)	.429 (10.90)	.386 (9.80)	(.72)	.618 (15.70)
190	8	10 (.190)	1.187 (30.15)	.633 (16.08)	.234 (5.94)	.084 (2.13)	.064 (1.63)	.285 (7.24)	.183 (4.65); .173 (4.39)	.203 (5.16)	.193 (4.90)	.429 (10.90)	.386 (9.80)	(.72)	.618 (15.70)
250	8	1/4 (.250)	1.189 (30.20)	.633 (16.08)	.265 (6.73)	.084 (2.13)	.064 (1.63)	.285 (7.24)	.183 (4.65); .173 (4.39)	.275 (6.99)	.260 (6.60)	.478 (12.14)	.435 (11.05)	(.72)	.673 (17.09)
375	8	3/8 (.375)	1.189 (30.20)	.633 (16.08)	.328 (8.33)	.084 (2.13)	.064 (1.63)	.285 (7.24)	.183 (4.65); .173 (4.39)	.400 (10.16)	.385 (9.78)	.590 (14.99)	.547 (13.89)	(.72)	.793 (20.14)
250	6	1/4 (.250)	1.329 (33.76)	.680 (17.27)	.265 (6.73)	.084 (2.13)	.064 (1.63)	.334 (8.48)	.225 (5.72); .215 (5.46)	.275 (6.99)	.260 (6.60)	.503 (12.78)	.460 (11.68)	(.80)	.686 (17.42)
375	6	3/8 (.375)	1.338 (33.99)	.680 (17.27)	.328 (8.33)	.084 (2.13)	.064 (1.63)	.334 (8.48)	.225 (5.72); .215 (5.46)	.400 (10.16)	.385 (9.78)	.623 (15.82)	.580 (14.73)	(.80)	.809 (20.55)
190	4	10 (.190)	1.493 (37.92)	.800 (20.32)	.276 (7.01)	.096 (2.44)	.076 (1.93)	.395 (10.03)	.297 (7.54); .287 (7.29)	.203 (5.16)	.193 (4.90)	.628 (15.95)	.580 (14.73)	(.95)	.759 (19.28)
250	4	1/4 (.250)	1.493 (37.92)	.800 (20.32)	.276 (7.01)	.096 (2.44)	.076 (1.93)	.395 (10.03)	.297 (7.54); .287 (7.29)	.275 (6.99)	.260 (6.60)	.628 (15.95)	.580 (14.73)	(.95)	.759 (19.28)
312	4	5/16 (.312)	1.493 (37.92)	.800 (20.32)	.308 (7.82)	.096 (2.44)	.076 (1.93)	.395 (10.03)	.297 (7.54); .287 (7.29)	.338 (8.59)	.323 (8.20)	.648 (16.46)	.605 (15.37)	(.95)	.803 (20.40)
375	4	3/8 (.375)	1.493 (37.92)	.800 (20.32)	.328 (8.33)	.096 (2.44)	.076 (1.93)	.395 (10.03)	.297 (7.54); .287 (7.29)	.400 (10.16)	.385 (9.78)	.648 (16.46)	.605 (15.37)	(.95)	.823 (20.90)
312	2	5/16 (.312)	1.783 (45.29)	.960 (24.38)	.343 (8.71)	.109 (2.77)	.089 (2.26)	.489 (12.42)	.371 (9.42); .361 (9.17)	.338 (8.59)	.323 (8.20)	.711 (18.06)	.668 (16.97)	(1.13)	.970 (24.64)
375	2	3/8 (.375)	1.783 (45.29)	.960 (24.38)	.343 (8.71)	.109 (2.77)	.089 (2.26)	.489 (12.42)	.371 (9.42); .361 (9.17)	.400 (10.16)	.385 (9.78)	.711 (18.06)	.668 (16.97)	(1.13)	.970 (24.64)
437	2	7/16 (.437)	1.783 (45.29)	.960 (24.38)	.453 (11.51)	.109 (2.77)	.089 (2.26)	.489 (12.42)	.371 (9.42); .361 (9.17)	.463 (11.76)	.448 (11.38)	.804 (20.42)	.740 (18.80)	(1.13)	1.120 (28.45)
375	0	3/8 (.375)	1.858 (47.19)	1.018 (25.86)	.418 (10.62)	.125 (3.18)	.105 (2.67)	.595 (15.11)	.466 (11.84); .456 (11.58)	.400 (10.16)	.385 (9.78)	.853 (21.67)	.810 (20.57)	(1.19)	1.115 (28.32)
437	0	7/16 (.437)	1.858 (47.19)	1.018 (25.86)	.453 (11.51)	.125 (3.18)	.105 (2.67)	.595 (15.11)	.466 (11.84); .456 (11.58)	.463 (11.76)	.448 (11.38)	.903 (22.94)	.860 (21.84)	(1.19)	1.175 (29.85)
500	0	1/2 (.500)	1.858 (47.19)	1.018 (25.86)	.453 (11.51)	.125 (3.18)	.105 (2.67)	.595 (15.11)	.466 (11.84); .456 (11.58)	.525 (13.34)	.510 (12.95)	.903 (22.94)	.860 (21.84)	(1.19)	1.175 (29.85)
375	00	3/8 (.375)	1.985 (50.42)	1.141 (28.98)	.473 (12.01)	.129 (3.28)	.109 (2.77)	.647 (16.43)	.523 (13.28); .513 (13.03)	.400 (10.16)	.385 (9.78)	.956 (24.28)	.913 (23.19)	(1.31)	1.221 (31.01)
437	00	7/16 (.437)	1.985 (50.42)	1.141 (28.98)	.473 (12.01)	.129 (3.28)	.109 (2.77)	.647 (16.43)	.523 (13.28); .513 (13.03)	.463 (11.76)	.448 (11.38)	.956 (24.28)	.913 (23.19)	(1.31)	1.221 (31.01)
500	00	1/2 (.500)	1.985 (50.42)	1.141 (28.98)	.473 (12.01)	.129 (3.28)	.109 (2.77)	.647 (16.43)	.523 (13.28); .513 (13.03)	.525 (13.34)	.510 (12.95)	.956 (24.28)	.913 (23.19)	(1.31)	1.221 (31.01)
375	000	3/8 (.375)	2.223 (56.46)	1.348 (34.24)	.513 (13.03)	.140 (3.56)	.120 (3.05)	.721 (18.31)	.588 (14.94); .578 (14.68)	.400 (10.16)	.385 (9.78)	1.053 (26.75)	1.010 (25.65)	(1.54)	1.312 (33.32)
437	000	7/16 (.437)	2.223 (56.46)	1.348 (34.24)	.513 (13.03)	.140 (3.56)	.120 (3.05)	.721 (18.31)	.588 (14.94); .578 (14.68)	.463 (11.76)	.448 (11.38)	1.053 (26.75)	1.010 (25.65)	(1.54)	1.312 (33.32)
500	000	1/2 (.500)	2.223 (56.46)	1.348 (34.24)	.513 (13.03)	.140 (3.56)	.120 (3.05)	.721 (18.31)	.588 (14.94); .578 (14.68)	.525 (13.34)	.510 (12.95)	1.053 (26.75)	1.010 (25.65)	(1.54)	1.312 (33.32)
375	0000	3/8 (.375)	2.442 (62.03)	1.547 (39.29)	.560 (14.22)	.150 (3.81)	.130 (3.30)	.791 (20.09)	.656 (16.66); .646 (16.41)	.400 (10.16)	.385 (9.78)	1.148 (29.16)	1.095 (27.81)	(1.75)	1.401 (35.59)
437	0000	7/16 (.437)	2.442 (62.03)	1.547 (39.29)	.560 (14.22)	.150 (3.81)	.130 (3.30)	.791 (20.09)	.656 (16.66); .646 (16.41)	.463 (11.76)	.448 (11.38)	1.148 (29.16)	1.095 (27.81)	(1.75)	1.401 (35.59)
500	0000	1/2 (.500)	2.442 (62.03)	1.547 (39.29)	.560 (14.22)	.150 (3.81)	.130 (3.30)	.791 (20.09)	.656 (16.66); .646 (16.41)	.525 (13.34)	.510 (12.95)	1.148 (29.16)	1.095 (27.81)	(1.75)	1.401 (35.59)

*H Max and Min dimensions shall be one half of the W Max and Min dimensions, respectively.

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