

# Contents

CLICK ON ANY LINE TO GO DIRECTLY TO THE INDICATED PAGE	
Navigation Guide	2
Specifications and interface dimensions	3
Cable Connectors	
Straight Plugs for Flexible Cable	4
Receptacles	
Panel Jack Receptacles	4
Adapters	
Within-Series Adapters	5
Technical Information	
Cable Groups	6
Mounting Figures	7
Ordering and Warranty	7

(978) 927-1060 • FAX (978) 922-6430 • www.DeltaRF.com P.O. Box 53 • 416 Cabot St. • Beverly, MA 01915

# **Online Catalog Navigation Guide**

DELTA ELECTRONICS MANUFACTURING

We have configured this online catalog to take advantage of Acrobat navigation shortcuts (links). However, these links are not visible on the pages— making them visible would compromise the page's readability.

- Clicking on any entry in the Table of Contents will take you to the indicated page.
- Shown below are the "hot spots" on all of the product pages that will take you to background information on various connector characteristics.
- After you use a link to jump to another page, you can use the "back" arrow in Acrobat's menu bar to return to the page you jumped from.
- Configure Acrobat Reader to show bookmarks for a table of contents by specific characteristic (for example, cable plugs broken out by cable attachment method).
- To find a specific part number, use Acrobat's search feature.

In addition, the pages are formatted to fit within the margins of standard laser or inkjet printers no need to use the "shrink to fit" option when printing pages from Acrobat.

#### Click here to go to the Table of Contents



DELTA ELECTRONICS MANUFACTURING

### **General Description**

Delta LC and LT series connectors (which are similar in size, but not intermateable), are large, high-voltage,  $50\Omega$  impedance connectors with  $1^{1}/4-18$  threaded mating.

They are best suited for use with cables with diameters from .73" to 1.2", such as RG-17 and 117/U, and RG-18 and 118/U.

Because of the variety of designs and assembly methods within these series, we suggest that you call us to verify the compatibility of specific connector pairs prior to ordering.

As with all other Delta connector series, we welcome your specifications for special configurations.



### **LC/LT Connectors**

DELTA ELECTRONICS MANUFACTURING





\*\*\*Contact factory for cable assembly instructions.

(C) in contact plating column indicates captive contact.

Note: Not all LC series plugs and jacks are intermateable.

Contact factory for compatibility information on specific plug/jack combinations.

(978) 927-1060 • FAX (978) 922-6430 • www.deltarf.com

## **LC/LT Adapters**

L DELTA ELECTRONICS MANUFACTURING

**LC Series Adapters B** hex **B** hex В 1.5 hex Α A **Figure 1 Figure 3** (Straight jack-jack; (Straight LC jack-large LC plug; connects one LC plug connects two plugs) Α Figure 2 and one large LC jack) (Right angle plug-jack; connects one plug and one jack) **Dimensions** Plating **Figure Delta P/N** Α В **Body** Contact 1 2.50 1.875 Nickel Silver (C) UG-157B/U 2.72 Nickel Silver (C) UG-216B/U 2 2.60 3 2.22 2.09 Nickel Silver (C) UG-220B/U



(C) in contact plating column indicates captive contact.

Note: Not all LC series plugs and jacks are intermateable. Contact factory for compatibility information on specific plug/jack combinations.

(978) 927-1060 • FAX (978) 922-6430 • www.deltarf.com

5

#### DELTA ELECTRONICS MANUFACTURING

# **Cable Groups**

Cable Group Finder				
Cable	Group	Cable	Group	
RG-5, 5A, B	1A	RG-225	3C	
RG-6, 6A	1B	RG-228A	20	
RG-8, 8A	2A	RG-302	22	
RG-9, 9A, B	3A	RG-303	23	
RG-10	15	RG-304	24	
RG-11, 11A	2B	RG-316	9A	
RG-12	15	RG-316DS	10	
RG-13A	3B	RG-393	4	
RG-14A	16	RG-400	6A	
RG-17A	17	RG-401	12	
RG-18A	18	RG-402	13	
RG-21, 21A	1A	RG-405	14	
RG-22, 22A, B	28	M17/2	1B	
RG-55, 55B	6B	M17/6	2B	
RG-55A	6A	M17/15	28	
RG-58, 58A, C	5	M17/28	5	
RG-59, 59A, B	7A	M17/29	7A	
RG-62, 62A, B, C	7A	M17/30	7A	
RG-71, 71A, B	7B	M17/45	27	
RG-108, 108A	27	M17/73	1A	
RG-115A	19	M17/162	1A	
RG-118A	20	M17/112	1C	
RG-122	8A	M17/74	2A	
RG-126	21	M17/75	3A	
RG-141, 141A	5	M17/127	3C	
RG-142, 142A	6A	M17/77	3B	
RG-142B	6B	M17/60	6A	
RG-143, 143A	1C	M18/84	6A	
RG-174	9A	M17/128	6A	
RG-174DS	10	M17/97	7A	
RG-178, 178A, B	11	M17/54	8A	
RG-179A, 179B	9B	M17/95	8B	
RG-180, 180A, B	8B	M17/137	8B	
RG-187, 187A	9B	M17/152	9A	
RG-188, 188A	9A	M17/93	11	
RG-195	8B	M17/129	12	
RG-196, 196A	11	M17/130	13	
RG-210	7A	M17/133	14	
RG-212	1C	M17/78	16	
RG-213	2A	M17/165	16	
RG-214	3A	M17/176	30	
RG-215	15	AT&T 735A	31	
RG-217	16	Belden 8281	26	
RG-218	17	Belden 9207	29	
RG-219	18	Dearborn 6207	29	
RG-222	1C	IBM 7362211	29	
RG-223	6A			

Delta Cable Groups					
Gro	oup	Cables			
	1A	RG-5, 5A, 5B, 21, 21A; M17/73, /162			
1	1B	RG-6, 6A; M17/2			
	1C	RG-143, 143A, 212, 222; M17/73, /112, /162			
	2A	RG-8, 8A, 213; M17/74			
2	2B	RG-11, 11A; M17/6			
	3A	RG-9, 9A, 9B, 214; M17/75			
3	3B	RG-13A, 216; M17/77			
	3C	RG-225; M17/127			
4		RG-393; M17/127			
5		RG-58, 58A, 58C, 141, 141A; M17/28, /111			
	6A	RG-55A, 142, 142A, 223, 400; M17/60, /84, /128			
6	6B	RG-55, 55B, 142B; M17/60, /84			
7	7A	RG-59, 59A, 59B, 62, 62A, 62B, 62C, 210; M17/29, /30, /97			
7	7B	RG-71, 71A, 71B; M17/90			
0	8A	RG-122; M17/54			
8	8B	RG-180, 180A, 180B, 195; M17/95, /137			
0	9A	RG-174, 188, 188A, 316; M17/152			
9	9B	RG-179A, 179B, 187, 187A; M17/94, /136			
1	0	Double-Shielded RG-174, 316; M17/152			
1	1	RG-178, 178A, 178B, 196, 196A; M17/93			
1	2	.250" semi-rigid; RG-401; M17/129			
1	3	.141" semi-rigid; RG-402; M17/130			
1	4	.085" semi-rigid; RG-405; M17/133			
1	5	RG-10, 12, 215; M17/6, /74			
1	6	RG-14A, 217; M17/78, /165			
17		RG-17A, 218			
1	8	RG-18A, 219			
1	9	RG-115A			
2	0	RG-118A, 228A			
2	1	RG-126			
2	2	RG-302			
2	3	RG-303			
2	4	RG-304			
25		Special 8X cable; contact factory for details.			
26		Belden 8281			
27		RG-108, 108A; M17/45			
28		RG-22, 22A, 22B; M17/15			
29		Belden 9207; Dearborn 6207; IBM 7362211			
30		M17/176			
3	1	AT&T 735A			

(978) 927-1060 • FAX (978) 922-6430 • www.deltarf.com



### **Ordering and Warranty Information**

**Warranty:** We warrant our parts to be free from defects in materials and workmanship for one year from date of purchase. During that time, we will repair or replace (at our option) any parts found to be defective.

This warranty does not apply to parts which have been modified, used in conditions exceeding Delta or military specifications, or disassembled. We will not, under any circumstances, be responsible for consequential or incidental damages or installation costs.

No other warranties apply, and no other liability may be assumed or extended by representatives or distributors.

**Returns:** Returns will be accepted only with a Return Authorization number issued by Delta, and are subject to inspection and acceptance upon arrival. Restocking charges will be determined prior to issuance of Return Authorization.

All claims for shortages must be made within 30 days of receipt by customer.

**Ordering Information:** Orders are subject to the terms and conditions on our order acknowledgement, which may only be modified by written agreement prior to sale. Order changes, cancellation, or termination will be accepted only with written approval from Delta Electronics Manufacturing.

**Copyright, Trademarks, and Patents:** Entire contents copyright 2003, Delta Electronics Manufacturing Corporation. Reproduction rights are hereby granted for, and specifically limited to, printing or other reproduction of drawings and specifications for inclusion in specification or source control drawings, or for purchasing procedures, by Delta customers only.

Heli-Grip, PressMount, and the New England Craftsmanship logo are

trademarks. The Heli-Grip design is covered by U.S. and foreign patents.

**Delta Electronics Manufacturing Corporation** 

416 Cabot Street, P.O. Box 53 Beverly, MA 01915

FSCM/CAGE 00795

Catalog # LC/LTpdf 1.2 7/09