Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

APPLICATION SPECIFICATION

ASSEMBLY INSTRUCTIONS FOR THE 130199 MAXLOC

1.0 SCOPE

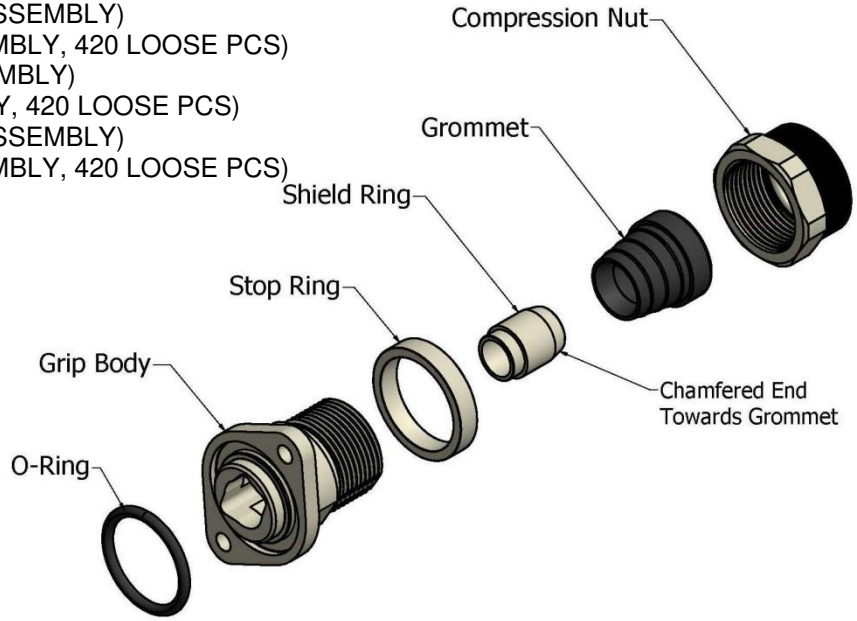
To ensure that all components are correctly assembled and the shielded cable is correctly terminated

2.0 PRODUCT DESCRIPTION

PART NO.	DESCRIPTION
1301990030	1 AWG GRIP ASSEMBLY, HNBR (SINGLE ASSEMBLY)
1301990130	1 AWG GRIP ASSEMBLY, HNBR (KIT ASSEMBLY, 420 LOOSE PCS)
1301990230	1 AWG GRIP ASSEMBLY, SILICONE (SINGLE ASSEMBLY)
1301990330	1 AWG GRIP ASSEMBLY, SILICONE (KIT ASSEMBLY, 420 LOOSE PCS)
1301990020	1/0 AWG GRIP ASSEMBLY, HNBR (SINGLE ASSEMBLY)
1301990120	1/0 AWG GRIP ASSEMBLY, HNBR (KIT ASSEMBLY, 420 LOOSE PCS)
1301990220	1/0 AWG GRIP ASSEMBLY, SILICONE (SINGLE ASSEMBLY)
1301990320	1/0 AWG GRIP ASSEMBLY, SILICONE (KIT ASSEMBLY, 420 LOOSE PCS)
1301990025	2/0 AWG GRIP ASSEMBLY, HNBR (SINGLE ASSEMBLY)
1301990125	2/0 AWG GRIP ASSEMBLY, HNBR (KIT ASSEMBLY, 420 LOOSE PCS)
1301990225	2/0 AWG GRIP ASSEMBLY, SILICONE (SINGLE ASSEMBLY)
1301990325	2/0 AWG GRIP ASSEMBLY, SILICONE (KIT ASSEMBLY, 420 LOOSE PCS)

3.0 REFERENCE DOCUMENTS

- PK-130199-001
- PS-130199-001
- SD-130199-001
- MAXLOC is designed to accept the Molex 1AWG, 1/0AWG & 2/0AWG Battery Cable Lugs. Reference SD-19221-010 and SD-19221-011.



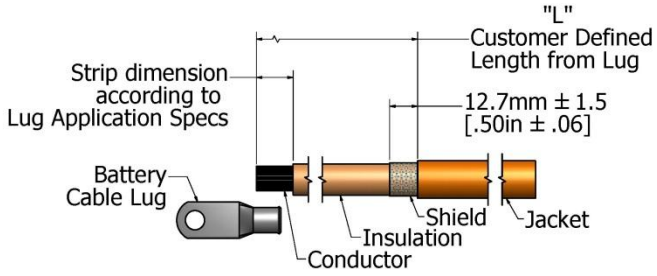
REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
J	EC No: **IPG2016-0883** DATE: **2016 / 2 / 15**	**ASSEMBLY INSTRUCTIONS FOR THE 130199 MAXLOC 1AWG, 1/0AWG, 2/0AWG**	**1** of **2**

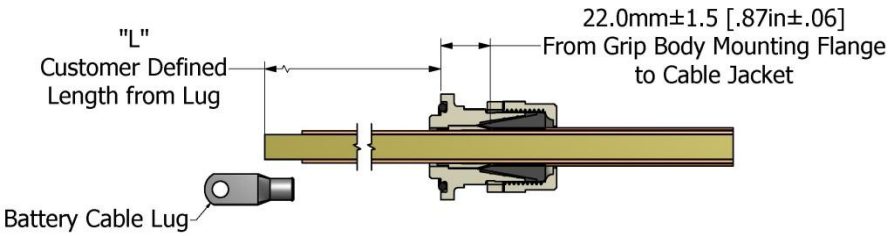
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-130199-001	**WLEUNG**	**GSUDHINI**	**BWOODMAN**

APPLICATION SPECIFICATION

4.0 ASSEMBLY INSTRUCTIONS

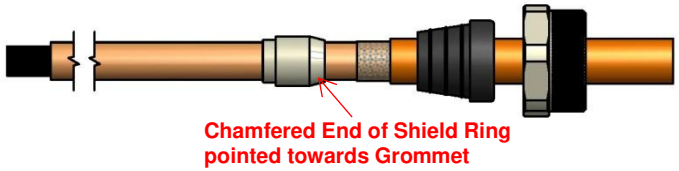
a) Strip the Cable according to the dimensions below:



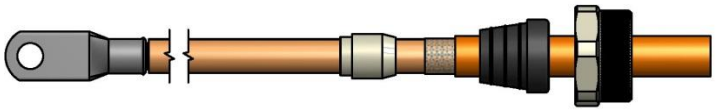


b) Slide the Compression Nut and Grommet onto the Cable Jacket

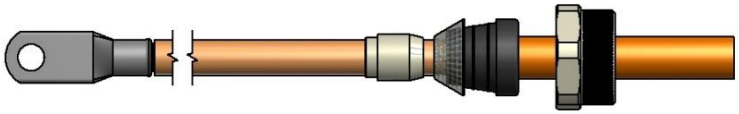
c) Slide the Shield Ring onto the Cable Insulation *(before crimping the Battery Cable Lug)*



d) Crimp the Battery Cable Lug onto the Conductor



e) Fold the exposed Cable Shield back around the Grommet

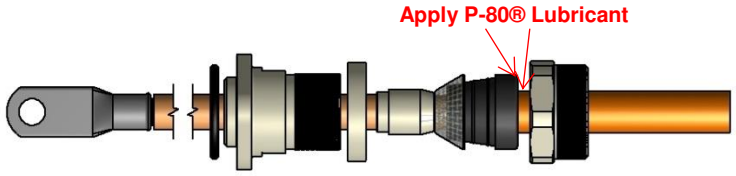


f) Slide the Stop Ring and Grip Body onto the Cable

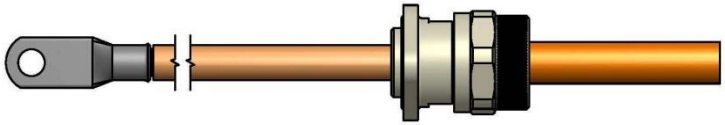
g) Apply P-80® lubricant or equivalent to O-Ring.

h) Press the O-Ring into the O-Ring Groove of the Grip Body.

i) Apply P-80® Lubricant to the Top of the Grommet and between the Cable Jacket and the Grommet



j) Tighten the Compression Nut to the Stop Ring.
Then apply the recommended torque to Compression Nut.
Recommended Torque: 24 ft-lbf (32.5 N-m) ±20%
Maximum Torque: 30 ft-lbf (40.7 N-m)



REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
J	EC No: **IPG2016-0883** DATE: **2016 / 2 / 15**	**ASSEMBLY INSTRUCTIONS FOR THE 130199 MAXLOC 1AWG, 1/0AWG, 2/0AWG**	**2** of **2**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-130199-001	**WLEUNG**	**GSUDHINI**	**BWOODMAN**