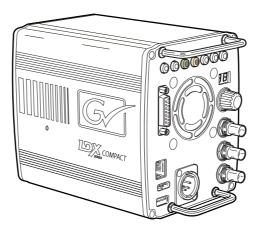


Maintenance Manual

3922 496 32181 November 2014 v2.0



LDX Compact Series

Software Upgradable Camera Platform

Declaration of Conformity

We, Grass Valley Nederland B.V., Kapittelweg 10, 4827 HG Breda, The Netherlands, declare under our sole responsibility that this product is in compliance with the following standards:

- EN60065 : Safety

- EN55103-1: EMC (Emission)

- EN55103-2: EMC (Immunity)

following the provisions of:

a. the Low Voltage directive 2006/95/EC

b. the EMC directive 2004/108/EC

FCC CLASS A Statement

This product generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause interference to radio communications.

It has been tested and found to comply with the limits for a CLASS A digital device pursuant to part 15 of the FCC rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment.

Operation of this product in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

Copyright

Copyright Grass Valley Nederland B.V. 2014. Copying of this document and giving it to others, and the use or communication of the contents thereof, are forbidden without express authority. Offenders are liable to the payment of damages. All rights are reserved in the event of the grant of a patent or the registration of a utility model or design. Liable to technical alterations in the course of further development.

Trademarks

Grass Valley, LDX Series and derivatives are trademarks of Belden Inc. or Grass Valley. All other tradenames referenced are service marks, trademarks, or registered trademarks of their respective companies.

Website

Visit the Grass Valley public website to download the latest user's guide updates and additional information about your broadcast product:

www.grassvalley.com

End-of-life product recycling



Grass Valley's innovation and excellence in product design also extends to the programs we've established to manage the recycling of our products. Grass Valley has developed a comprehensive end-of-life product take back program for recycle or disposal of end-of-life products. Our program meets the requirements of the European Union's WEEE Directive and in the United States from the Environmental Protection Agency, individual state or local agencies.

Grass Valley's end-of-life product take back program assures proper disposal by use of Best Available Technology. This program accepts any Grass Valley branded equipment. Upon request, a Certificate of Recycling or a Certificate of Destruction, depending on the ultimate disposition of the product, can be sent to the requester. Grass Valley will be responsible for all costs associated with recycling and disposal, including freight, however you are responsible for the removal of the equipment from your facility and packing the equipment ready for pickup.

For further information on the Grass Valley product take back system please contact Grass Valley at + 800 80 80 20 20 or +33 1 48 25 20 20 from most other countries. In the US and Canada please call 800-547-8949 or 530-478-4148. Ask to be connected to the EH&S Department. In on, information concerning Grass Valley's environmental policy can be found at:

www.grassvalley.com/about/environmental-policy

Grass Valley website

Visit the Grass Valley public website to download the latest user's guide updates and additional information about your broadcast product:

www.grassvalley.com

Important information

This information is intended as a guide for trained and qualified personnel who are aware of the dangers involved in handling potentially hazardous electrical / electronic equipment. It is not intended to contain a complete list of all safety precautions which should be observed by personnel in using this or other electronic equipment.

The installation, maintenance and service of this equipment involves risks both to personnel and equipment and must be preformed only by qualified personnel exercising due care.

Personnel engaged in the installation, operation, maintenance or servicing of this equipment are urged to become familiar with First Aid theory and practises.

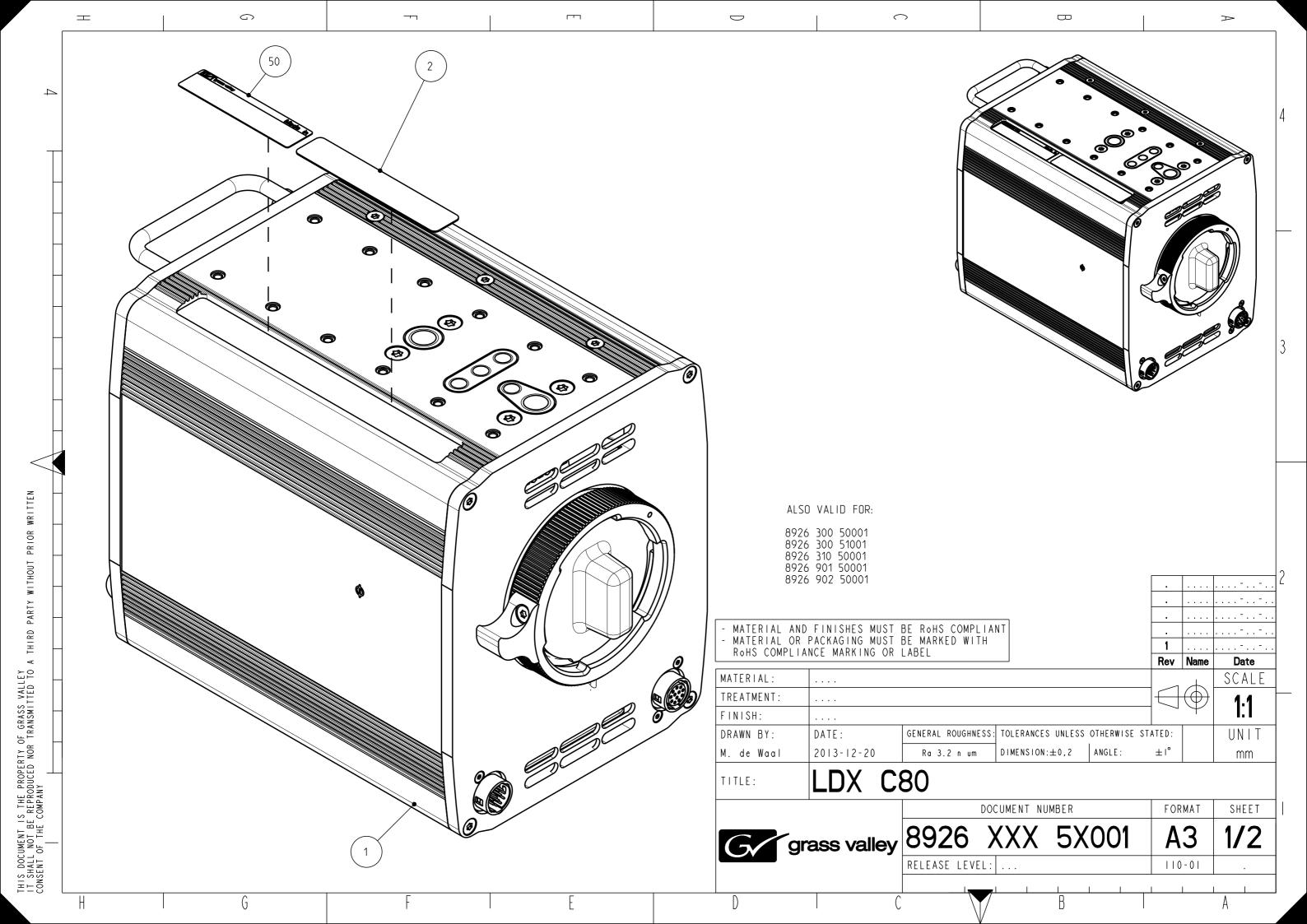
During installation and operation of this equipment, local building safety and fire protection standards must be observed.

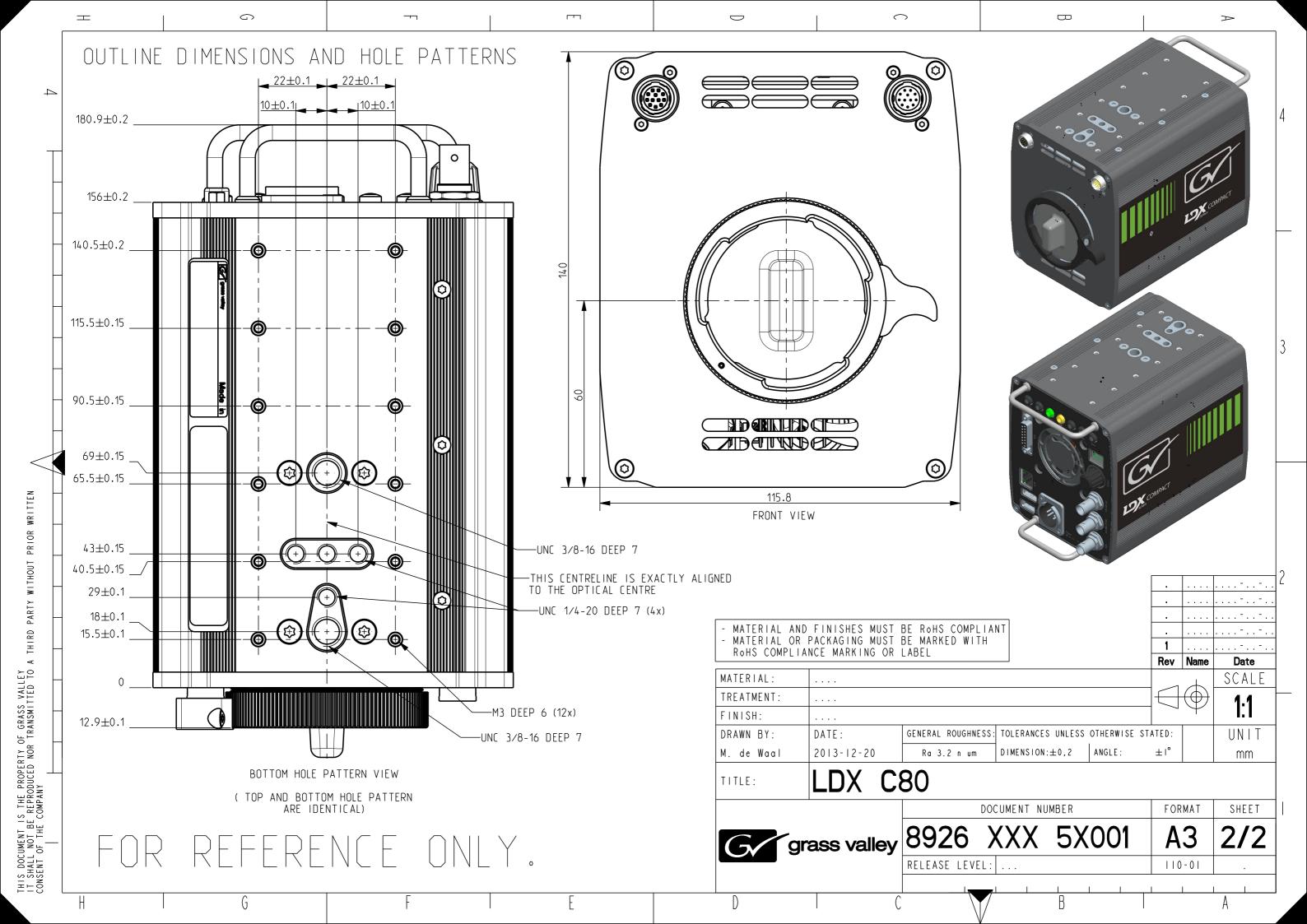
Whenever it is likely that safe operation is impaired, the apparatus must be made inoperative and secured against any unintended operation. The appropriate servicing authority must then be informed. For example, safety is likely to be impaired if the apparatus fails to perform intended function or shows visible damage.

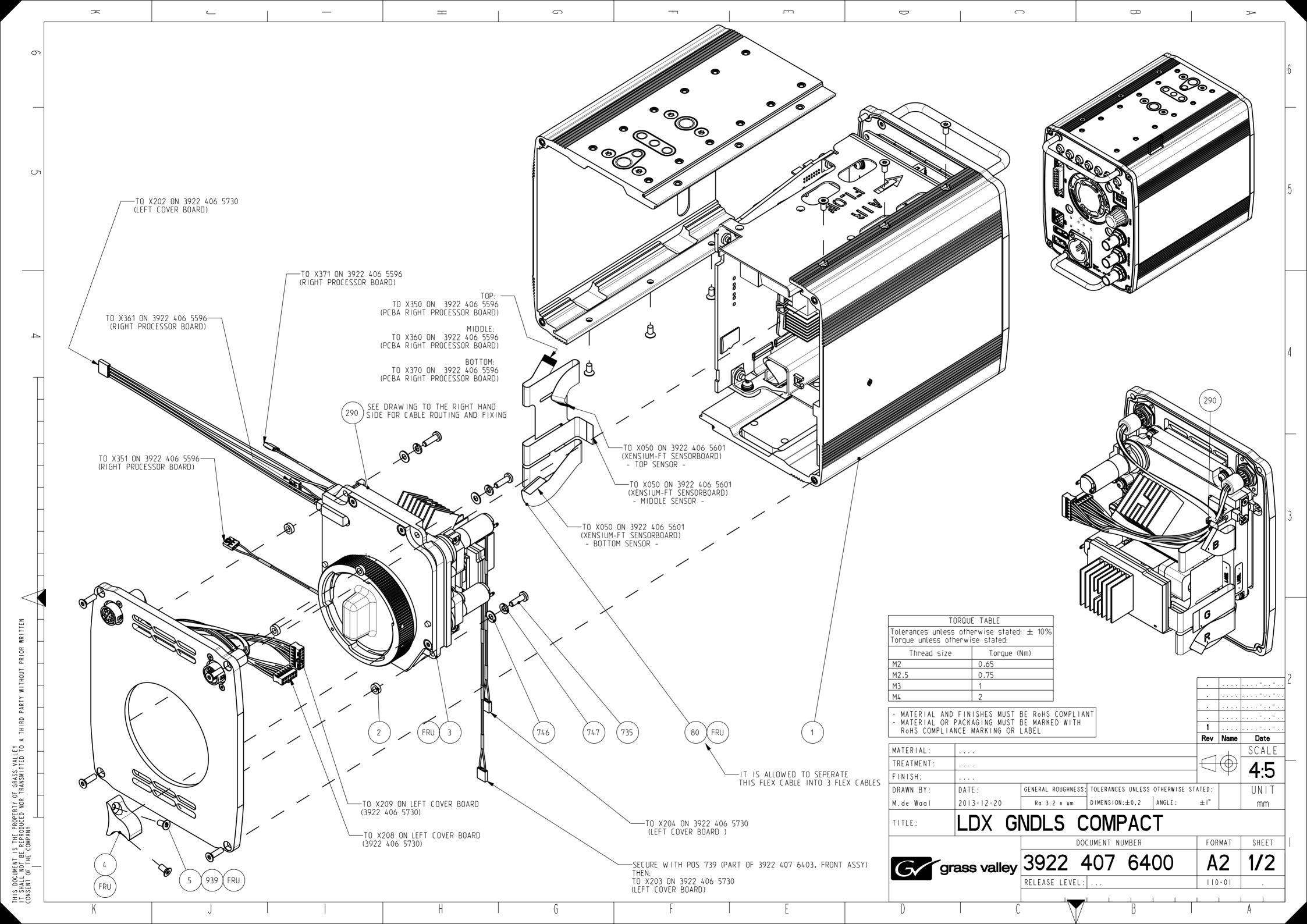
Warnings

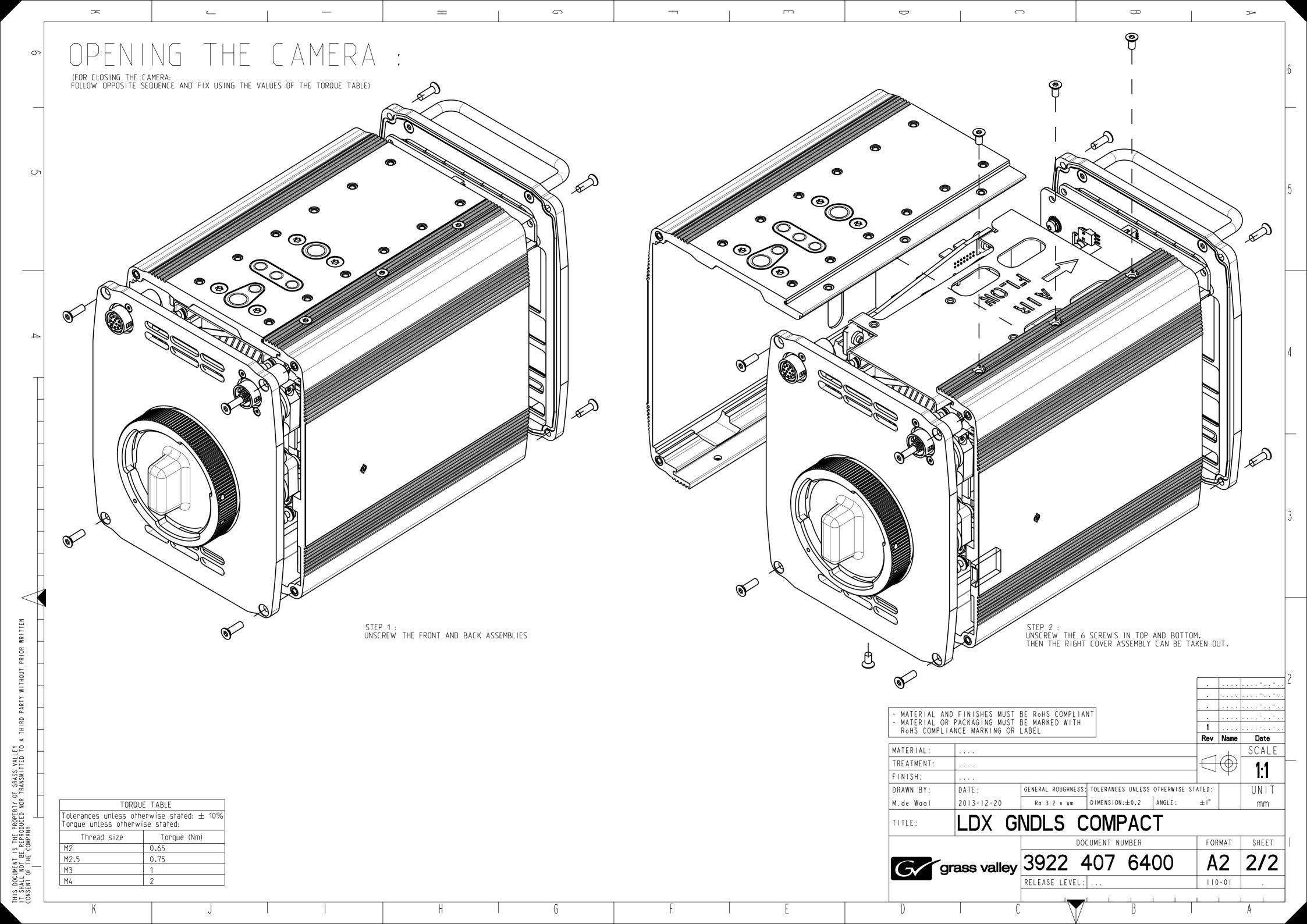
When preforming service, be sure to read and comply with the warning notices appearing in the manuals. Warnings indicate danger that requires correct procedures or practices to prevent death or injury to personnel.

- THE CURRENTS AND VOLTAGES PRESENT IN THIS EQUIPMENT ARE DANGEROUS. ALL PERSONNEL MUST AT ALL TIMES FOLLOW THE SAFETY REGULATIONS.
- ALWAYS DISCONNECT POWER BEFORE REMOVING COVERS OR PANELS.
- NEVER MAKE INTERNAL ADJUSTMENTS, PERFORM MAINTENANCE OR SERVICE WHEN ALONE OR WHEN FATIGUED.
- IN CASE OF AN EMERGENCY ENSURE THAT THE POWER IS DISCONNECTED.





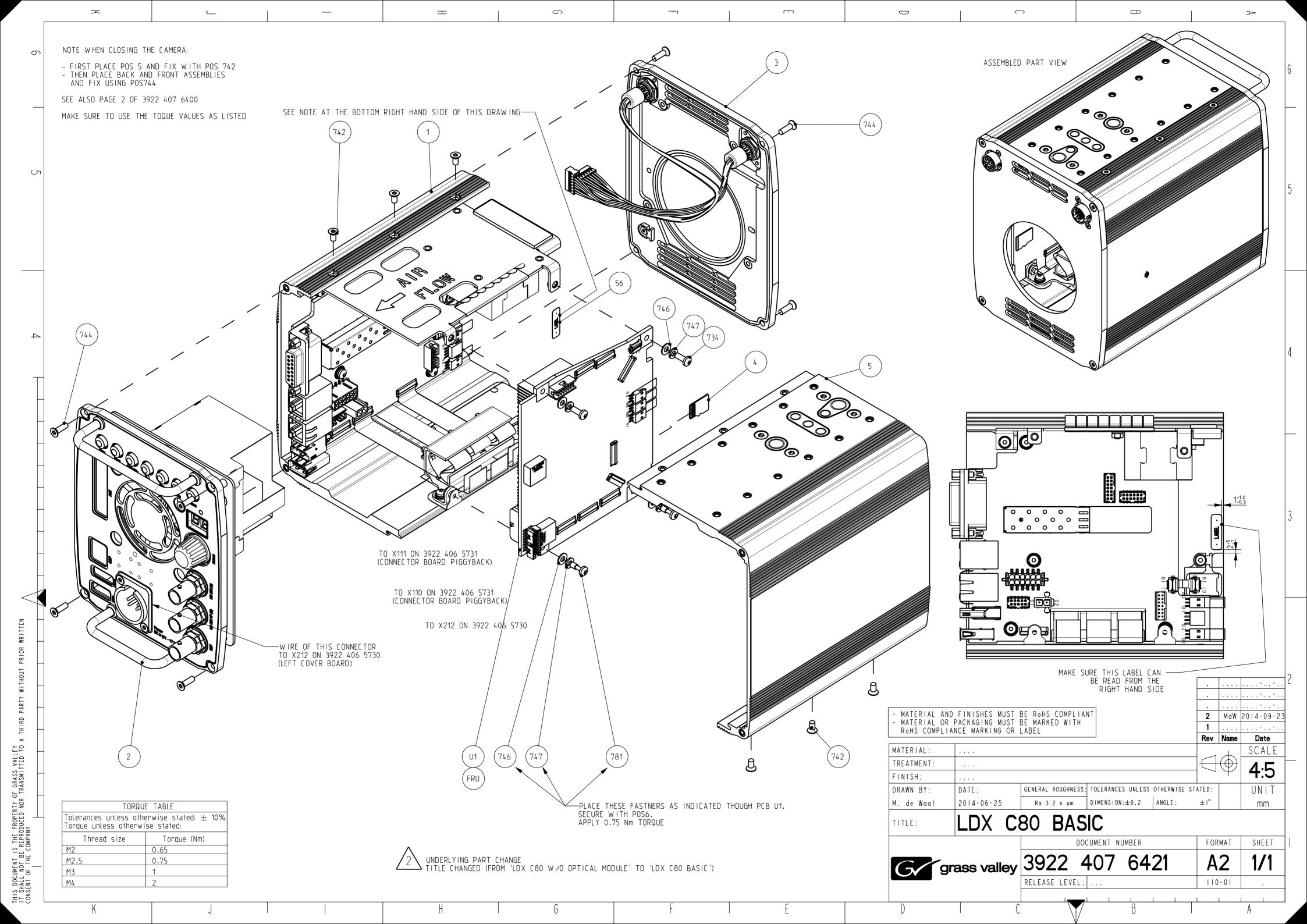




3922 407 64001 LDX GNDLS COMPACT

List of Field Replacable Units (FRUs):

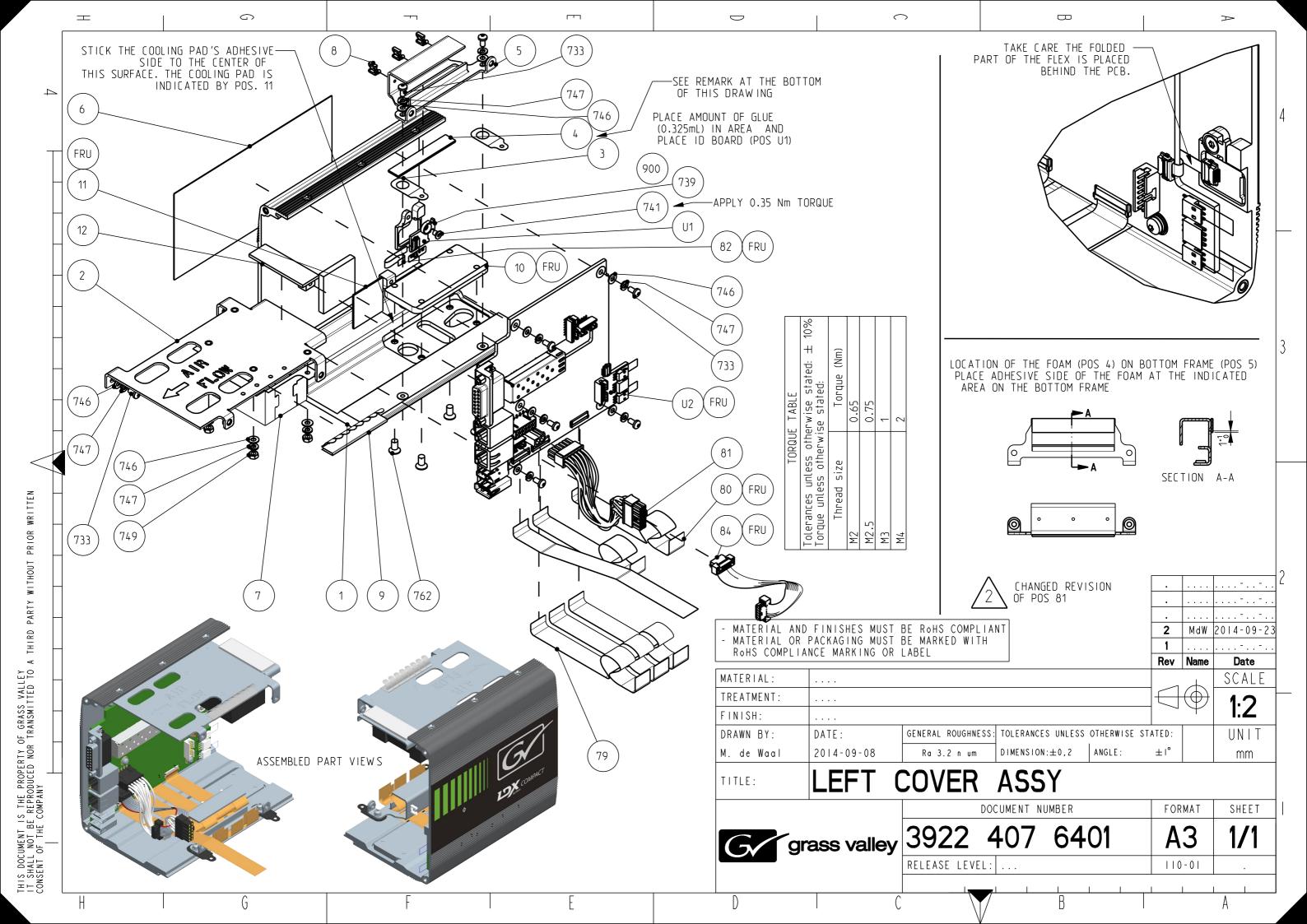
Pos	Part Number	Description
4	3922 404 44031	BAJONET RING GRIP
5	8322 299 71887	CSK SCR STL ST M3X6 BLACK
80	3922 411 57025	PCB F SPIDERFLEX SENSIUM FT
746	2522 600 27017	WASH STL ST 3,2X7
747	2522 613 12005	SPR WASH STL ST 3,1X5,7



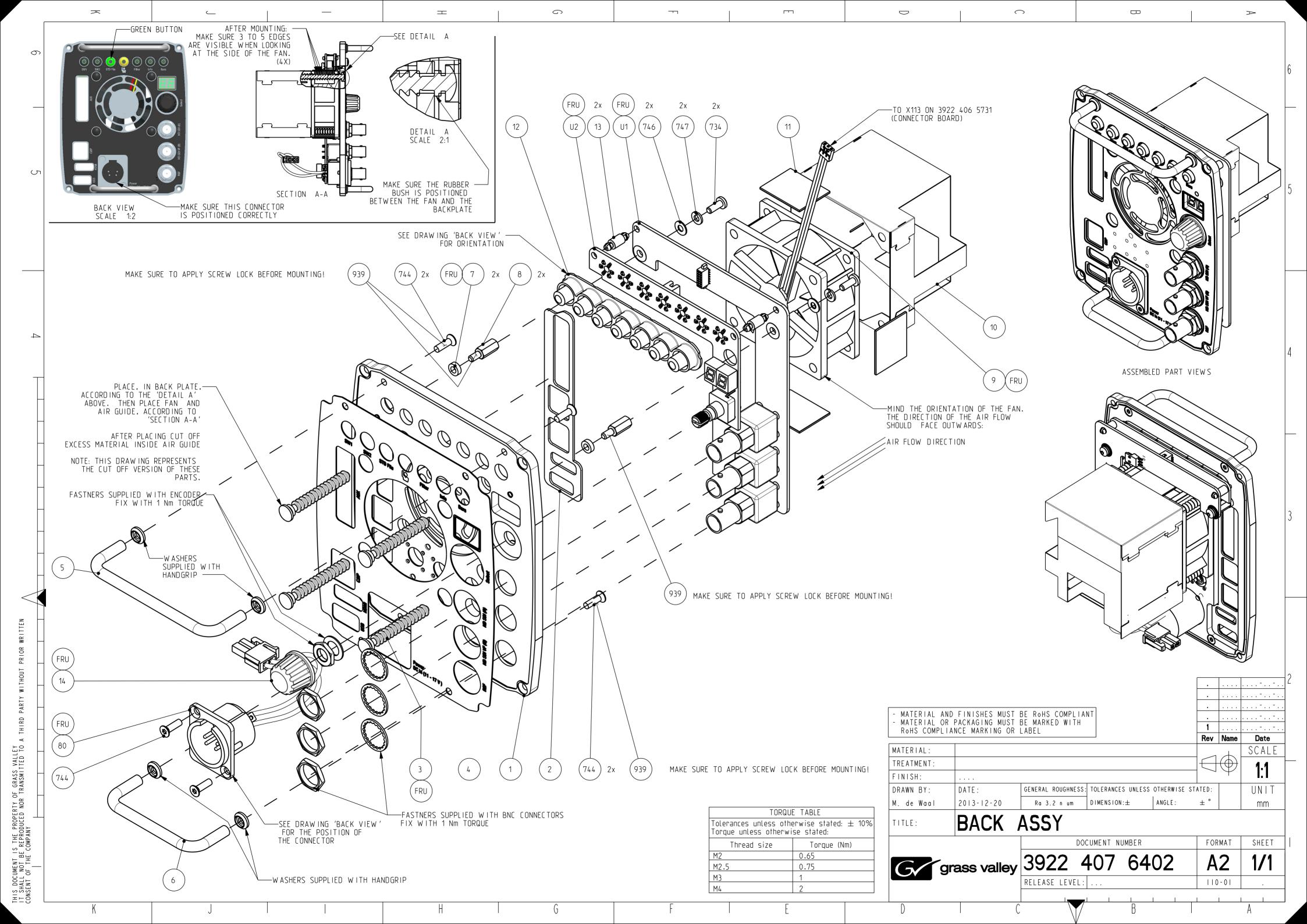
3922 407 64212 LDX C80 BASIC

List of Field Replacable Units (FRUs):

Pos	Part Number	Description
1	3922 407 64012	LEFT COVER ASSY +
2	3922 407 64021	BACK ASSEMBLY +
3	3922 407 64031	FRONT ASSY +
5	3922 407 64041	RIGHT COVER ASSY +
734	2522 201 08032	PAN SCR STL ST M3X8
742	2522 203 04023	CSK SCR STL ST M3X6
744	2522 203 04025	CSK SCR STL ST M3X10
746	2522 600 27017	WASH STL ST 3,2X7
747	2522 613 12005	SPR WASH STL ST 3,1X5,7
781	2522 200 03024	PAN CAP SCR STL.ST M3x10
U1	3922 406 55961	PCBA RIGHT PROCESSOR BOARD



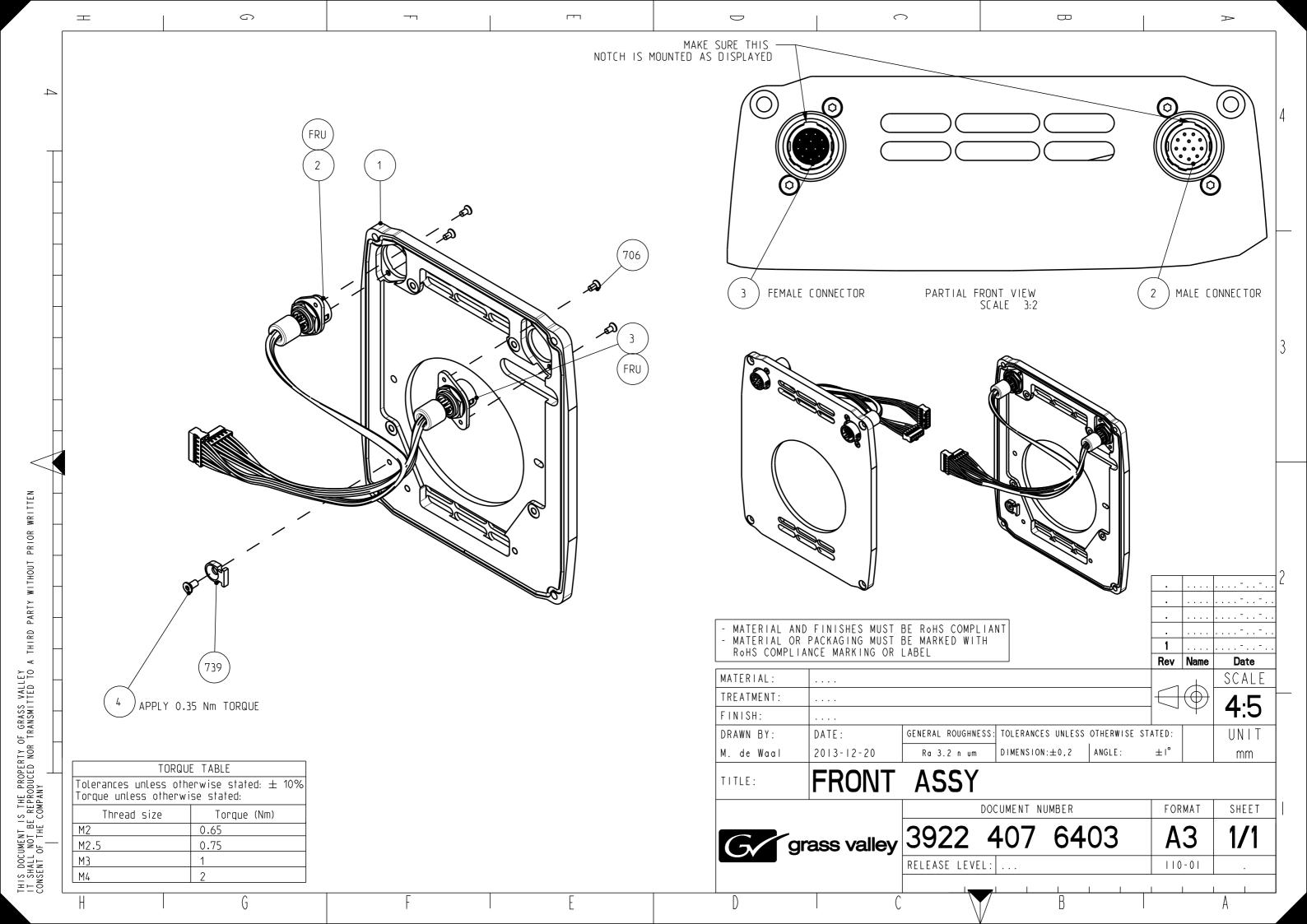
	3922 407 64012	LEFT COVER ASSY
Pos	Part Number	
F U 3	rait Nullibei	Description
3	518-00002-02	HINGE
9	3922 407 62301	EMC MATERIAL CLIP-ON
10	3922 404 44603	MOUNTING BLOCK
11	3922 405 09101	COOLING PAD 1MM
80	3922 411 56801	PCB F FPC 45P 0.3MM TL=160MM
82	3922 205 00005	CLB FLEX 10P FFC 0.5 SUMICARD
84	3922 407 64302	RIBBON CABLE ASSY 10P
733	2522 201 08031	TORX PAN HEAD SCREW M3X6
739	2422 016 05002	MTG PLATE FOR WIRE TIES 10X8
746	2522 600 27017	WASH STL ST 3,2X7
747	2522 613 12005	SPR WASH STL ST 3,1X5,7
749	2522 401 09008	HEX NUT STL ST M3
U2	3922 406 57301	PCBA LEFT COVER BOARD



3922 407 64021 BACK ASSEMBLY

List of Field Replacable Units (FRUs):

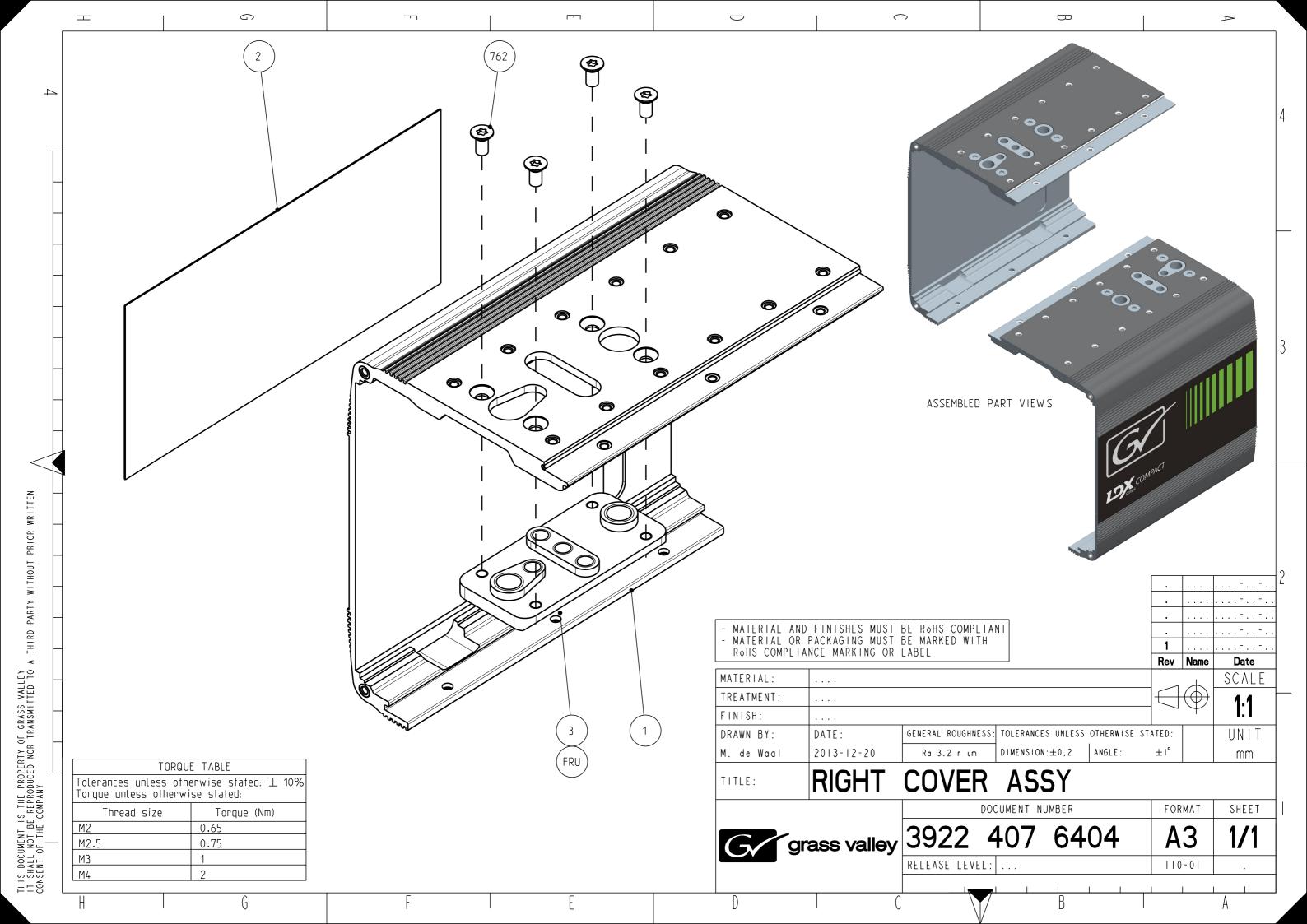
Refdes	Part Number	Description
3	3922 203 00321	FAN MOUNT RUBBER
9	3922 407 57891	FAN ASSY HDDT ADAPTOR
14	3922 400 11651	ROTARY KNOB
80	3922 407 64291	NEUTRIK CABLE ASSY
734	2522 201 08032	PAN SCR STL ST M3X8
744	2522 203 04025	CSK SCR STL ST M3X10
746	2522 600 28017	WASH PF-CP SH 3,2X7
747	2522 613 12005	SPR WASH STL ST 3,1X5,7
U1	3922 406 57311	PCBA CONNECTOR BOARD
U2	3922 406 57331	CONNECTOR BOARD PIGGYBACK



3922 407 64031 FRONT ASSY

List of Field Replacable Units (FRUs):

Pos	Part Number	Description
2	3922 407 64222	LENS CONNECTOR ASSY MALE
3	3922 407 64232	LENS CONNECTOR ASSY FEMALE

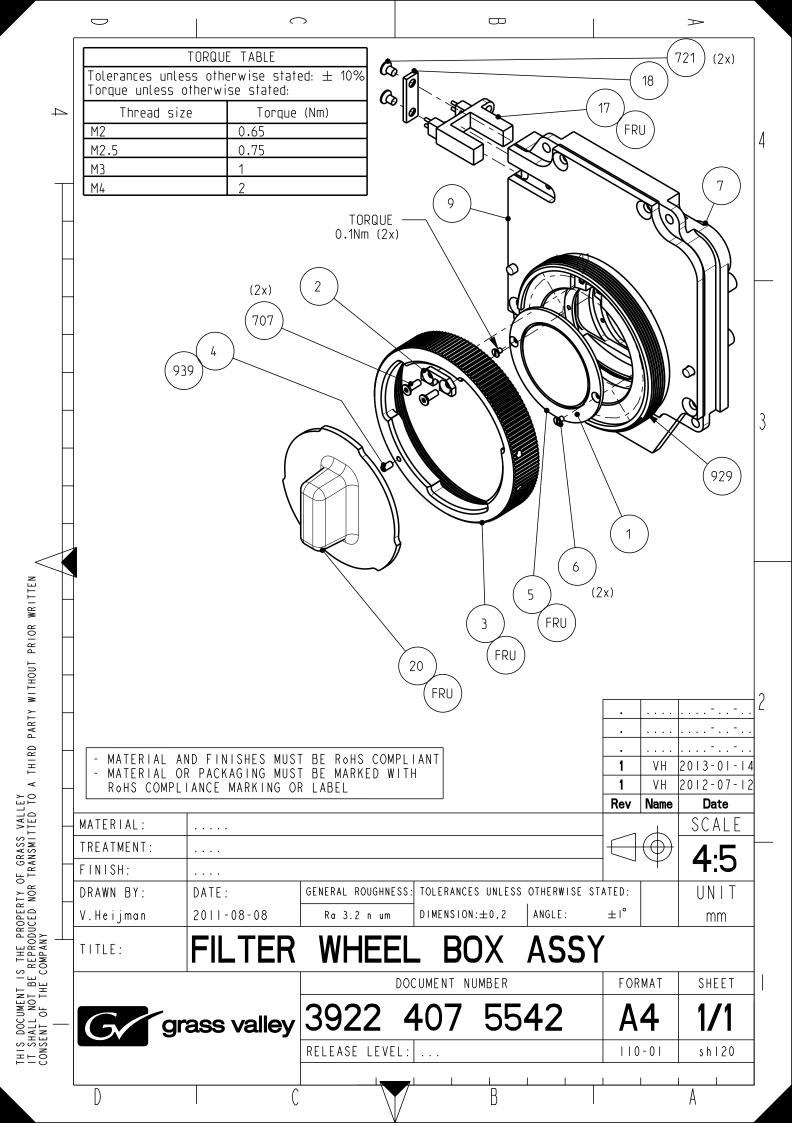


3922 407 64041 RIGHT COVER ASSY

List of Field Replacable Units (FRUs):

Pos Part Number Description

3 3922 404 44603 MOUNTING BLOCK



3922 407 55421 FILTER WHEEL BOX ASSY

List of Field Replacable Units (FRUs):

Pos	Part Number	Description
4	2522 043 02017	SET SCREW HEX ST BLK M2X4
5	3922 407 51581	FILTER ASSY
6	2522 187 21002	CSK SCHR STLST M 1,6X2,5
7	3922 407 55442	MOUNTING PLATE ASSY
17	3922 407 61232	OPTICAL SWITCH ASSY
18	3922 404 43531	OPT SWITCH MOUNT STRIP
20	3922 400 07891	DUSTCAP
23	2522 187 21003	CSK SCR STL ST M1,6X3
721	2522 203 04011	CSK SCR STL ST M2,5x4
3	3922 404 23633	BAJONET RING
726	2522 600 27137	WASH STL ST 2,7X6,5
727	2522 613 12063	SPR WASH STL ST 2,6X5,1