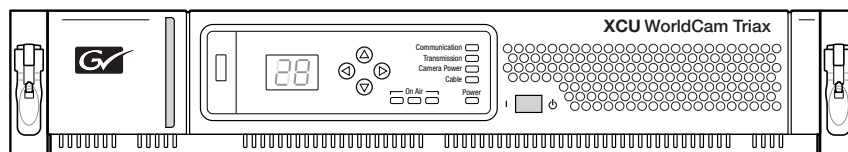


Maintenance Manual

3922 496 31471 June 2017 v4.0



XCU 4200

eXchangable Camera Unit

Declaration of Conformity

We, Grass Valley Nederland B.V., Bergschot 69, 4817 PA 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. 2014-2017. 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

Recycling

Visit www.grassvalley.com for recycling information.

Website

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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 performed 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 performing 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.



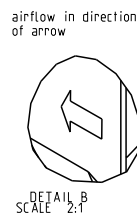
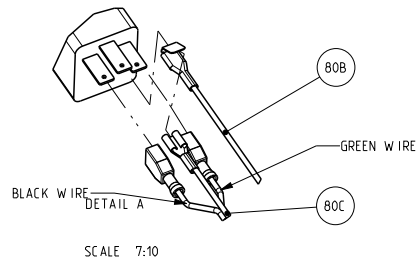
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8926 420 00001 XCU WORLDCAM TRIAX,FISCHER

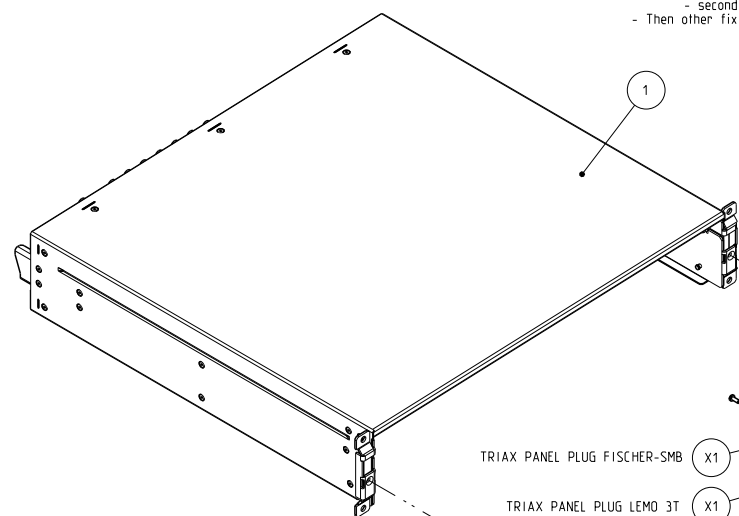
List of Field Replacable Units (FRUs):

Pos	Part Number	Description
	2 3922 407 56971	POWER SUPPLY 300V HDDT
	5 3922 407 63091	FAN ASSY
80A	3922 407 62813	COAX ASSY TRIAX
80C	3922 407 58743	INLET CABLE ASSY
80D	3922 407 58842	CABLE ASSY POWER BS
80E	3922 407 58872	CABLE ASSY POWER BS
80F	3922 407 62761	RIBBON CABLE ASSY 10P
80G	3922 407 62781	RIBBON CABLE ASSY 20P
80H	3922 407 62791	RIBBON CABLE ASSY 22P
80I	2422 015 18546	CLB FLEX 30P FFC 0.5 SUMICARD TL=81MM 30V
80J	3922 205 00005	CLB FLEX 10P FFC 0.5 SUMICARD TL=46MM 30V
80K	3922 407 62771	RIBBON CABLE ASSY 16P
	42 3922 405 08641	AIR FILTER FOAM LEFT
	43 3922 405 08651	AIR FILTER FOAM RIGHT
	792 326-00006-01	COMBI SCR PAN STL ST M3X8
	793 326-00007-01	COMBI SCR PAN STL ST M3X10
U2	3922 406 57241	PCBA HS GENERIC BOARD
U3	3922 406 57071	POWER DETECTION 3G BS
U4	3922 406 56591	PCBA USER INTERFACE BOARD
U6	3922 406 56601	PCBA 3G TRIAX TRANSMISSION BOARD
U7	3922 406 56611	3G TRIAX POWER FILTER BOARD
X1	3922 040 03061	TRIAX PANEL REC. ARD-SMB
X1	3922 040 03071	TRIAX PANEL PLUG FISCHER-SMB
X1	3922 040 03081	TRIAX PANEL REC.4A-SMB
X1	3922 040 03091	TRIAX PANEL REC.3T-SMB
X1	3922 040 03101	TRIAX PANEL PLUG 4M-SMB
X1	3922 040 03111	TRIAX PANEL PLUG 4E-SMB
	8 3922 407 63331	EAR LEFT
	9 3922 407 63341	EAR RIGHT
	11 3922 407 63321	LOCKING HANDLE

Maintenance Manual



U2 Assembly:
- first screw A
- second screw B
- Then other fixing parts



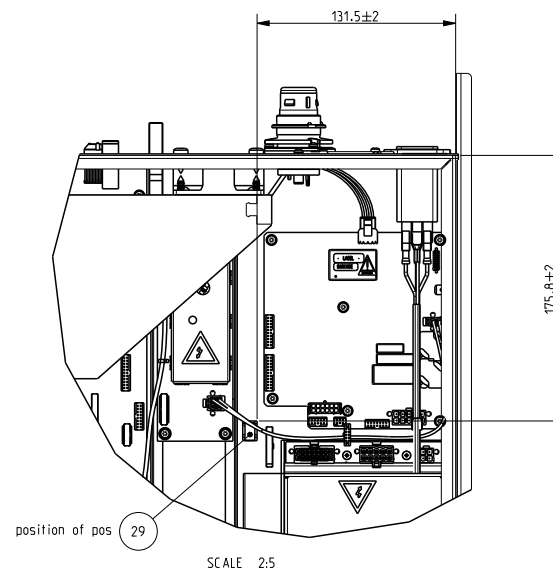
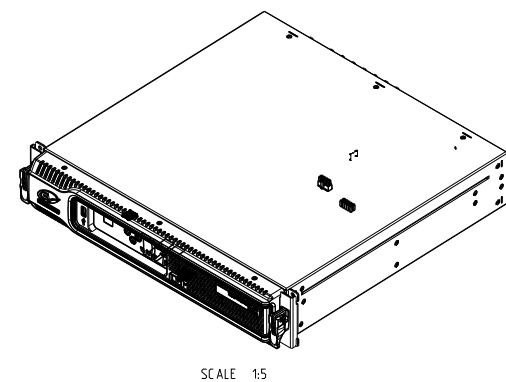
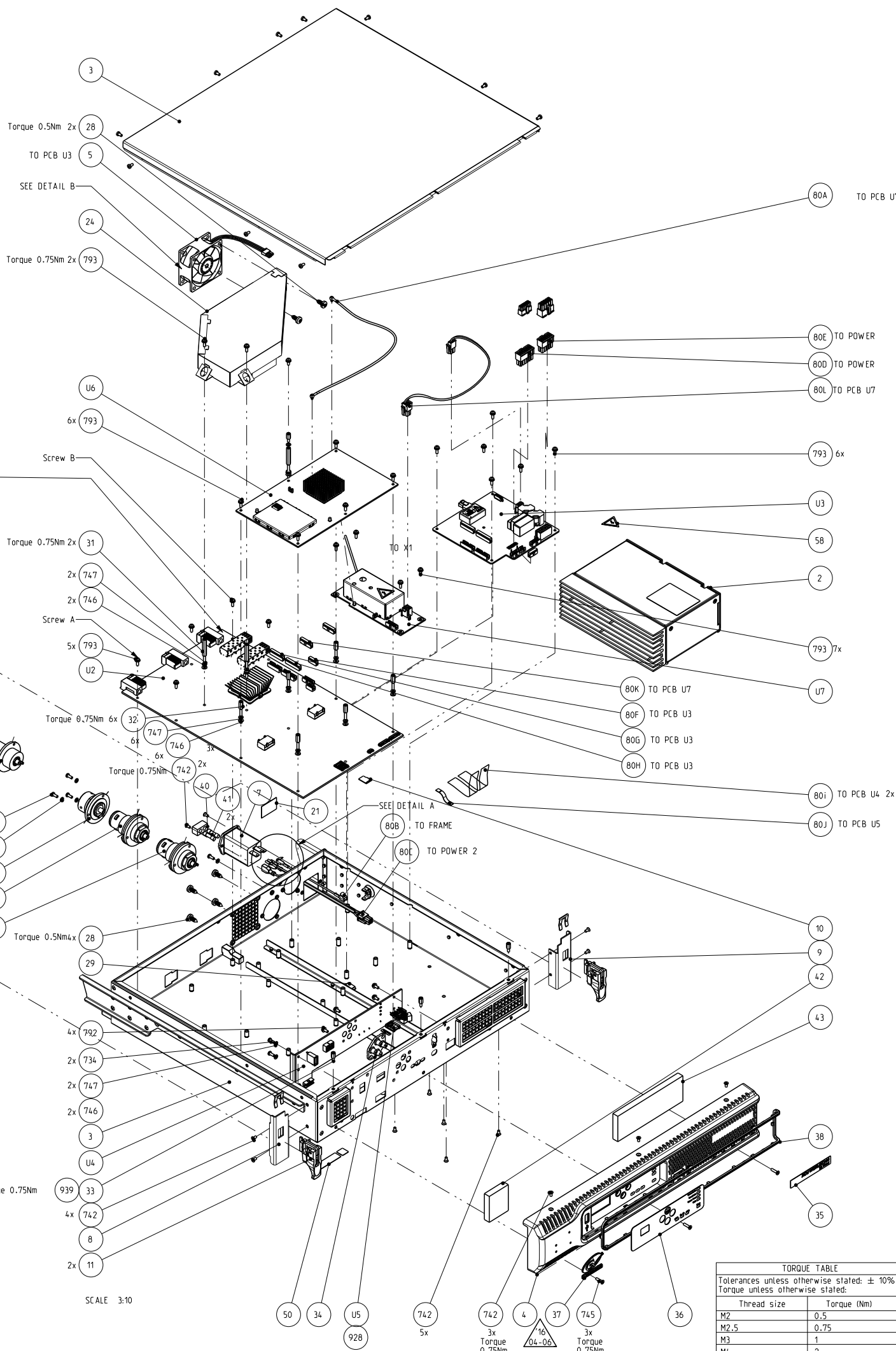
TRIAx PANEL PLUG FISHER-SMB X1
TRIAx PANEL PLUG LEMO 3T X1
TRIAx PANEL PLUG TRILOCK X1

TRIAx PANEL PLUG ARD X1
TRIAx PANEL PLUG LEMO 4E X1
TRIAx PANEL PLUG BBC LEMO X1



Torque 0.75Nm

SCALE 3:10



THIS DRAWING IS VALID FOR:
8926 420 0XX01 XCU WORLDCAM TRIAX
8926 425 0XX01 XCU ELITE TRIAX

16 04-06 ZHEFRONT CHANGED (POS 4.35.36.37.38.745)

MATERIAL AND FINISHES MUST BE RoHS COMPLIANT				Rev:	Name:	Date:
				1	CHP	2016-04-06
				1	CHP	2015-06-12
DOCUMENT NUMBER: SHEET:043-01				1	CHP	2015-10-07
8926 420 0XX0				1	CHP	2015-10-07
DESCRIPTION: XCU WORLDCAM / ELITE TRIAX				CH. PONCIN		
GENERAL ROUGHNESS: Ra 3.2 um		IF TOLERANCE AND TOLERANCE TABLE ARE ABSENT THEN APPLY DIM ±0.2 ANGLE ±1°		UNIT: mm	SCALE: 3:50	FORMAT: A1
						SHEET: 1/1

TORQUE TABLE	
Tolerances unless otherwise stated: ± 10%	
Torque unless otherwise stated:	
Thread size	Torque (Nm)
M2	0.5
M2.5	0.75
M3	1
M4	2

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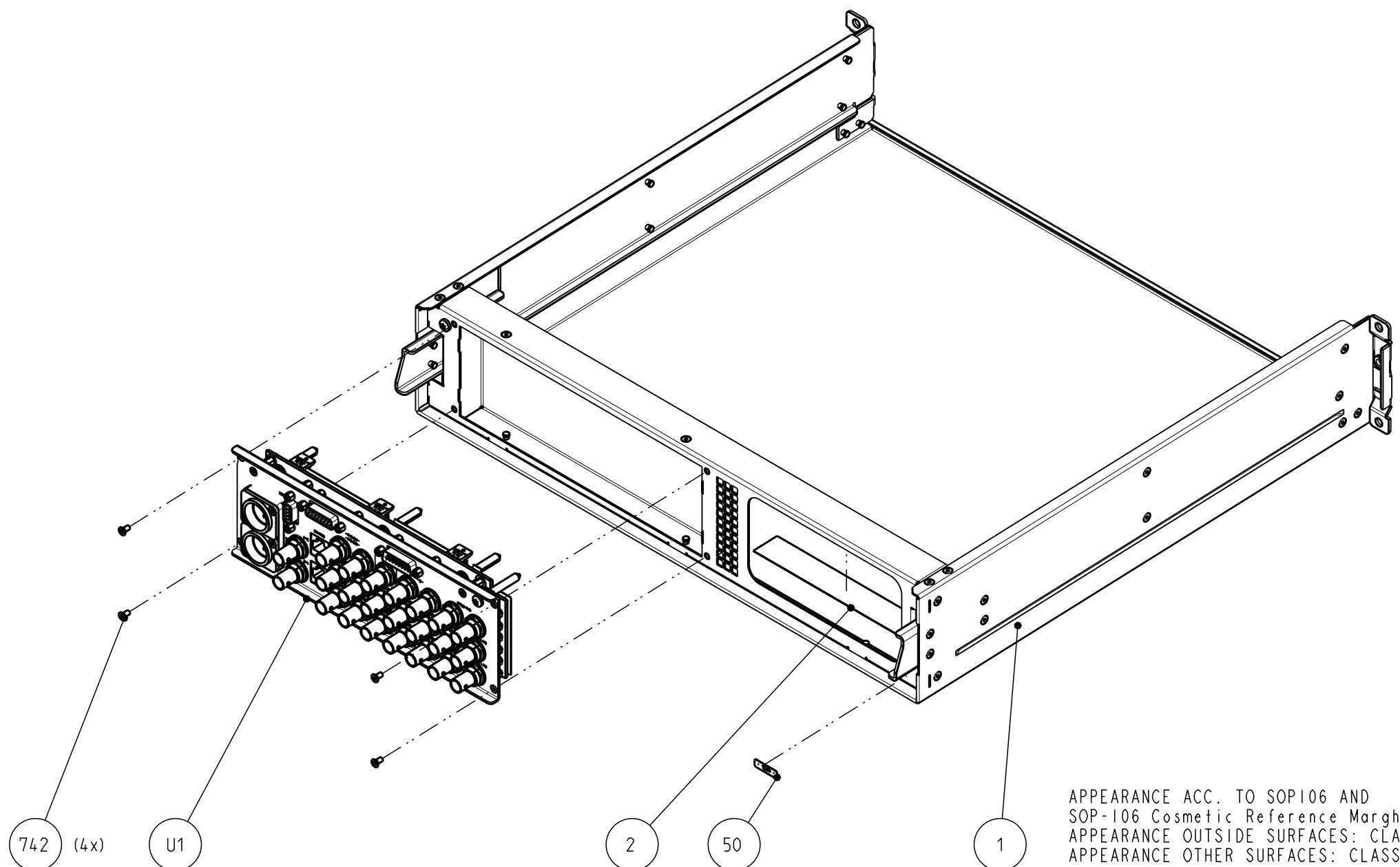
3922 407 63071 19 INCH BS CRADLE

List of Field Replacable Units (FRUs):

Pos	Part Number	Description
1	3922 407 63233	CRADLE MECHANICS
U1	3922 406 56581	PCBA CONNECTOR BOARD

Maintenance Manual

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APPEARANCE ACC. TO SOP106 AND
SOP-106 Cosmetic Reference Margherita Sheet Metal.pptx
APPEARANCE OUTSIDE SURFACES: CLASS C
APPEARANCE OTHER SURFACES: CLASS D

- MATERIAL AND FINISHES MUST BE RoHS COMPLIANT
- MATERIAL OR PACKAGING MUST BE MARKED WITH
RoHS COMPLIANCE MARKING OR LABEL

'15
09-09 guide pin removed
'15
05-28 pos U1 changed and pos 50 added

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1	CHP	2015-09-09
1	CHP	2015-05-28
1	CHP	2015-04-08
1	CHP	2013-09-20

Rev	Name	Date
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MATERIAL:	See Partslist					SCALE
TREATMENT:					1:10
FINISH:					
DRAWN BY:	DATE:	GENERAL ROUGHNESS:	TOLERANCES UNLESS OTHERWISE STATED:			UNIT
D. Reinieren	2012-11-23	Ra 3.2 n um	DIMENSION:±0,2	ANGLE: ±1°		mm

TITLE:	19 INCH BS CRADLE
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	DOCUMENT NUMBER		FORMAT	SHEET
	3922 407 6307		A3	1/1
	RELEASE LEVEL:	...	110-01	.