

**IMPORTANT:** All results mentioned in this Preliminary document/report are PRELIMINARY results subject to changes or to confirmation in the FINAL document/report. You shall therefore NOT RELY on this PRELIMINARY report as an official confirmation of such results.

**Preliminary Report** No.: TAOEC24009359505      **Date:** Feb 14, 2025      Page 1 of 22

Client Name: QINGDAO MICROSENSE INTELLIGENT TECHNOLOGY CO.,LTD.  
Client Address: REGISTERED ADDRESS: ROOM 803, FLOOR 8, BUILDING F, INNOVATION PARK II,  
NO. 1, KEYUAN WEI 1ST ROAD, LAOSHAN DISTRICT, QINGDAO, SHANDONG,CHINA

Sample Name: 3D TOF CAMERA  
Tested Basic Model No.: NYX650  
Tested Extended Model No.: NYX660/DS86/DS87

The above sample(s) and information were provided by the client.

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SGS Job No.: QDP24-005656  
Sample Receiving Date: Dec 27, 2024  
Testing Period: Dec 27, 2024 ~ Jan 03, 2025  
Test Requested: Select test(s) as requested by the client.  
Test Method(s): Please refer to next page(s).  
Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
Entry 20 of Regulation (EU) No 276/2010 amending Annex XVII of REACH Regulation (EC) No 1907/2006 -Total Tin Screening for Organostannic compounds	See Result
Entry 20 of Regulation (EU) No 276/2010 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Organostannic compounds	Pass

Signed for and on behalf of  
SGS Standards Technical Services (Qingdao) Co., Ltd.

Sapphire Wang  
Approved Signatory

Test Result(s):

Photo of Submitted Sample





SGS authenticate the photo on original report only

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A2	TAO24-0093595-0001.C002	Blue plastic
SN2	A3	TAO24-0093595-0001.C003	Black coating
SN3	A4	TAO24-0093595-0001.C004	Transparent plastic

SN ID	Sample No.	SGS Sample ID	Description
SN4	A5	TAO24-0093595-0001.C005	Black double-faced adhesive tape
SN5	A6	TAO24-0093595-0001.C006	Black rubber
SN6	A8	TAO24-0093595-0001.C008	Gray coating
SN7	A10	TAO24-0093595-0001.C010	Gray solid
SN8	A11	TAO24-0093595-0001.C011	Black rubber
SN9	A17	TAO24-0093595-0001.C017	Black rubber
SN10	A20	TAO24-0093595-0001.C020	Black PCB
SN11	A21	TAO24-0093595-0001.C021	Brown FPC
SN12	A25	TAO24-0093595-0001.C025	Black FPC
SN13	A43	TAO24-0093595-0001.C043	Black PCB
SN14	A54	TAO24-0093595-0001.C054	Beige plastic
SN15	A55	TAO24-0093595-0001.C055	Black plastic
SN16	A57	TAO24-0093595-0001.C057	Black PCB
SN17	A58	TAO24-0093595-0001.C058	Dark gray plastic
SN18	A59	TAO24-0093595-0001.C059	Black plastic
SN19	A60	TAO24-0093595-0001.C060	Black PCB
SN20	A70	TAO24-0093595-0001.C070	Black PCB
SN21	A71	TAO24-0093595-0001.C071	Dark gray plastic
SN22	A86	TAO24-0093595-0001.C086	Black plastic
SN23	A87	TAO24-0093595-0001.C087	Black FPC
SN24	A88	TAO24-0093595-0001.C088	Brown FPC
SN25	A97	TAO24-0093595-0001.C097	Black plastic
SN26	A98	TAO24-0093595-0001.C098	Transparent plastic
SN27	A99	TAO24-0093595-0001.C099	Black plastic(jacket)
SN28	A102	TAO24-0093595-0001.C102	White/brown plastic(jacket)
SN29	A103	TAO24-0093595-0001.C103	Brown plastic(jacket)
SN30	A104	TAO24-0093595-0001.C104	White/green plastic(jacket)
SN31	A105	TAO24-0093595-0001.C105	Green plastic(jacket)
SN32	A106	TAO24-0093595-0001.C106	Orange plastic(jacket)
SN33	A107	TAO24-0093595-0001.C107	White/orange plastic(jacket)
SN34	A108	TAO24-0093595-0001.C108	White/blue plastic(jacket)
SN35	A109	TAO24-0093595-0001.C109	Blue plastic(jacket)
SN36	A112	TAO24-0093595-0001.C112	Black plastic
SN37	A113	TAO24-0093595-0001.C113	Black plastic(jacket)
SN38	A115	TAO24-0093595-0001.C115	Black plastic
SN39	A117	TAO24-0093595-0001.C117	White plastic
SN40	A121	TAO24-0093595-0001.C121	Black plastic(jacket)
SN41	A122	TAO24-0093595-0001.C122	Black plastic(jacket)
SN42	A123	TAO24-0093595-0001.C123	Blue plastic(jacket)
SN43	A124	TAO24-0093595-0001.C124	Yellow plastic(jacket)
SN44	A125	TAO24-0093595-0001.C125	Pink plastic(jacket)
SN45	A126	TAO24-0093595-0001.C126	White plastic(jacket)
SN46	A127	TAO24-0093595-0001.C127	Brown plastic(jacket)
SN47	A128	TAO24-0093595-0001.C128	Green plastic(jacket)
SN48	B1	TAO24-0093595-0002.C001	Brown FPC
SN49	B3	TAO24-0093595-0002.C003	Black PCB
SN50	B8	TAO24-0093595-0002.C008	Red adhesive
SN51	B26	TAO24-0093595-0002.C026	Black PCB
SN52	B36	TAO24-0093595-0002.C036	Black PCB

SN ID	Sample No.	SGS Sample ID	Description
SN53	B55	TAO24-0093595-0002.C055	Black plastic
SN54	B70	TAO24-0093595-0002.C070	Black plastic(jacket)
SN55	B71	TAO24-0093595-0002.C071	Black plastic
SN56	B73	TAO24-0093595-0002.C073	Transparent plastic
SN57	B77	TAO24-0093595-0002.C077	White plastic
SN58	B78	TAO24-0093595-0002.C078	White plastic
SN59	B80	TAO24-0093595-0002.C080	Transparent plastic
SN60	B82	TAO24-0093595-0002.C082	Orange plastic(jacket)
SN61	B83	TAO24-0093595-0002.C083	White/orange plastic(jacket)
SN62	B84	TAO24-0093595-0002.C084	Green plastic(jacket)
SN63	B85	TAO24-0093595-0002.C085	White/green plastic(jacket)
SN64	B87	TAO24-0093595-0002.C087	White/blue plastic(jacket)
SN65	B88	TAO24-0093595-0002.C088	Blue plastic(jacket)
SN66	B89	TAO24-0093595-0002.C089	White/brown plastic(jacket)
SN67	B90	TAO24-0093595-0002.C090	Brown plastic(jacket)
SN68	C1	TAO24-0093595-0003.C001	Red coating
SN69	D1	TAO24-0093595-0004.C001	Red coating

## Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

**Entry 20 of Regulation (EU) No 276/2010 amending Annex XVII of REACH Regulation (EC) No 1907/2006 -Total Tin Screening for Organostannic compounds**

**Test Method:** SGS In-house method, analysis was performed by EDXRF.

Test Item(s)	Unit(s)	MDL	A2	A3	A4
Tin (Sn)	mg/kg	700	<700	<700	<700
<b>Conclusion</b>			<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Test Item(s)	Unit(s)	MDL	A5	A6	A8
Tin (Sn)	mg/kg	700	<700	<700	<700
<b>Conclusion</b>			<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Test Item(s)	Unit(s)	MDL	A10	A11	A17
Tin (Sn)	mg/kg	700	<700	<700	<700
<b>Conclusion</b>			<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Test Item(s)	Unit(s)	MDL	A20	A21	A25
Tin (Sn)	mg/kg	700	<700	<700	<700
<b>Conclusion</b>			<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Test Item(s)	Unit(s)	MDL	A43	A54	A55
Tin (Sn)	mg/kg	700	>700 <sup>#</sup>	<700	>700 <sup>#</sup>
<b>Conclusion</b>			<b>See Result</b>	<b>Pass</b>	<b>See Result</b>

Test Item(s)	Unit(s)	MDL	A57	A58	A59
Tin (Sn)	mg/kg	700	>700 <sup>#</sup>	<700	<700
Conclusion			See Result	Pass	Pass

Test Item(s)	Unit(s)	MDL	A60	A70	A71
Tin (Sn)	mg/kg	700	>700 <sup>#</sup>	<700	<700
Conclusion			See Result	Pass	Pass

Test Item(s)	Unit(s)	MDL	A86	A87	A88
Tin (Sn)	mg/kg	700	<700	<700	<700
Conclusion			Pass	Pass	Pass

Test Item(s)	Unit(s)	MDL	A97	A98	A99
Tin (Sn)	mg/kg	700	<700	<700	<700
Conclusion			Pass	Pass	Pass

Test Item(s)	Unit(s)	MDL	A102	A103	A104
Tin (Sn)	mg/kg	700	<700	<700	<700
Conclusion			Pass	Pass	Pass

Test Item(s)	Unit(s)	MDL	A105	A106	A107
Tin (Sn)	mg/kg	700	<700	<700	<700
Conclusion			Pass	Pass	Pass

Test Item(s)	Unit(s)	MDL	A108	A109	A112
Tin (Sn)	mg/kg	700	<700	<700	<700
Conclusion			Pass	Pass	Pass

Test Item(s)	Unit(s)	MDL	A113	A115	A117
Tin (Sn)	mg/kg	700	<700	<700	<700
Conclusion			Pass	Pass	Pass

Test Item(s)	Unit(s)	MDL	A121	A122	A123
Tin (Sn)	mg/kg	700	<700	<700	<700
Conclusion			Pass	Pass	Pass

Test Item(s)	Unit(s)	MDL	A124	A125	A126
Tin (Sn)	mg/kg	700	<700	<700	<700
Conclusion			Pass	Pass	Pass

Test Item(s)	Unit(s)	MDL	A127	A128	B1
Tin (Sn)	mg/kg	700	<700	<700	<700
Conclusion			Pass	Pass	Pass

Test Item(s)	Unit(s)	MDL	B3	B8	B26
Tin (Sn)	mg/kg	700	<700	<700	>700 <sup>#</sup>

Test Item(s)	Unit(s)	MDL	B3	B8	B26
<b>Conclusion</b>			<b>Pass</b>	<b>Pass</b>	<b>See Result</b>

Test Item(s)	Unit(s)	MDL	B36	B55	B70
Tin (Sn)	mg/kg	700	<700	<700	<700
<b>Conclusion</b>			<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Test Item(s)	Unit(s)	MDL	B71	B73	B77
Tin (Sn)	mg/kg	700	<700	<700	<700
<b>Conclusion</b>			<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Test Item(s)	Unit(s)	MDL	B78	B80	B82
Tin (Sn)	mg/kg	700	<700	<700	<700
<b>Conclusion</b>			<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Test Item(s)	Unit(s)	MDL	B83	B84	B85
Tin (Sn)	mg/kg	700	<700	<700	<700
<b>Conclusion</b>			<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Test Item(s)	Unit(s)	MDL	B87	B88	B89
Tin (Sn)	mg/kg	700	<700	<700	<700
<b>Conclusion</b>			<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Test Item(s)	Unit(s)	MDL	B90	C1	D1
Tin (Sn)	mg/kg	700	<700	<700	<700
<b>Conclusion</b>			<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

**Notes:**

- (1) Confirmation test of organic tin is not required in case of Total Tin, after conversion, does not exceed the Organotin by weight of Tin requirement as specified in Entry 20 of Annex XVII.
- (2) If the Total Tin content is over 700 mg/kg, it is strongly recommended to perform further Organotin test to check the compliance with Entry 20 of REACH ANNEX XVII.
- (3) # = Exceed the limit.

**Entry 20 of Regulation (EU) No 276/2010 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Organostannic compounds**

**Test Method:** With reference to ISO 17353:2004, analysis was performed by GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A43	A55	A57
Tributyltin (TBT) by Weight of Tin	-	%	0.01	ND	ND	ND
Tricyclohexyltin (TCyT) by Weight of Tin	-	%	0.01	ND	ND	ND
Trimethyltin (TMT) by Weight of Tin	-	%	0.01	ND	ND	ND
Trioctyltin (TOT) by Weight of Tin	-	%	0.01	ND	ND	ND



Test Item(s)	Limit	Unit(s)	MDL	A43	A55	A57
Triphenyltin(TPhT) by Weight of Tin	-	%	0.01	ND	ND	ND
Tripropyltin (TPT) by weight of Tin	-	%	0.01	ND	ND	ND
Σ of Tri substituted organotin compounds by Weight of Tin	0.1	%	-	ND	ND	ND
Diocetyltn(DOT) by Weight of Tin	0.1	%	0.01	ND	ND	ND
Dibutyltin(DBT) by Weight of Tin	0.1	%	0.01	ND	ND	ND
<b>Conclusion</b>				<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

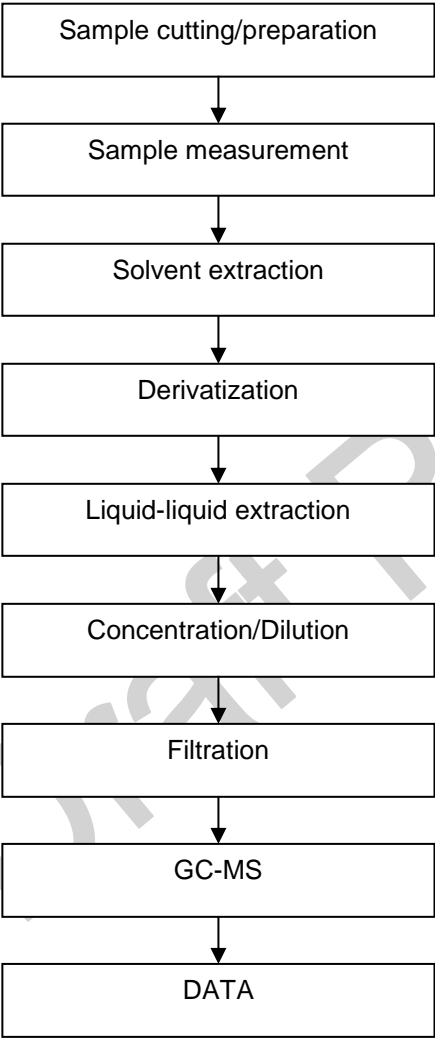
Test Item(s)	Limit	Unit(s)	MDL	A60	B26
Tributyltin(TBT) by Weight of Tin	-	%	0.01	ND	ND
Tricyclohexyltin(TCyT) by Weight of Tin	-	%	0.01	ND	ND
Trimethyltin(TMT) by Weight of Tin	-	%	0.01	ND	ND
Triocetyltn(TOT) by Weight of Tin	-	%	0.01	ND	ND
Triphenyltin(TPhT) by Weight of Tin	-	%	0.01	ND	ND
Tripropyltin (TPT) by weight of Tin	-	%	0.01	ND	ND
Σ of Tri substituted organotin compounds by Weight of Tin	0.1	%	-	ND	ND
Diocetyltn(DOT) by Weight of Tin	0.1	%	0.01	ND	ND
Dibutyltin(DBT) by Weight of Tin	0.1	%	0.01	ND	ND
<b>Conclusion</b>				<b>Pass</b>	<b>Pass</b>

Based on the material risk assessment results, the selected parts in the sample photos were tested and conclusions were drawn.







Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ( $w=0$ ) stated in ILAC-G8:09/2019.

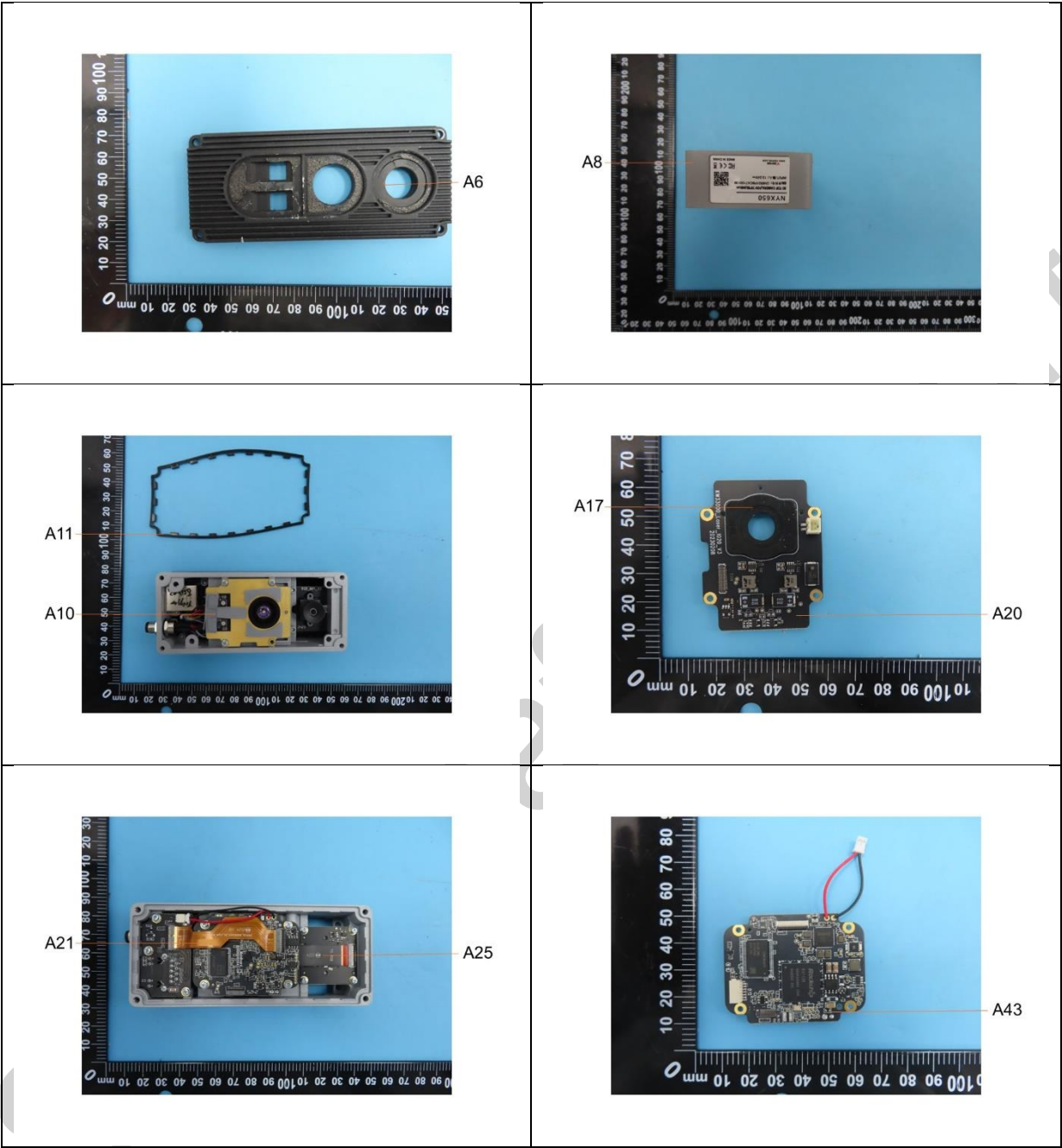


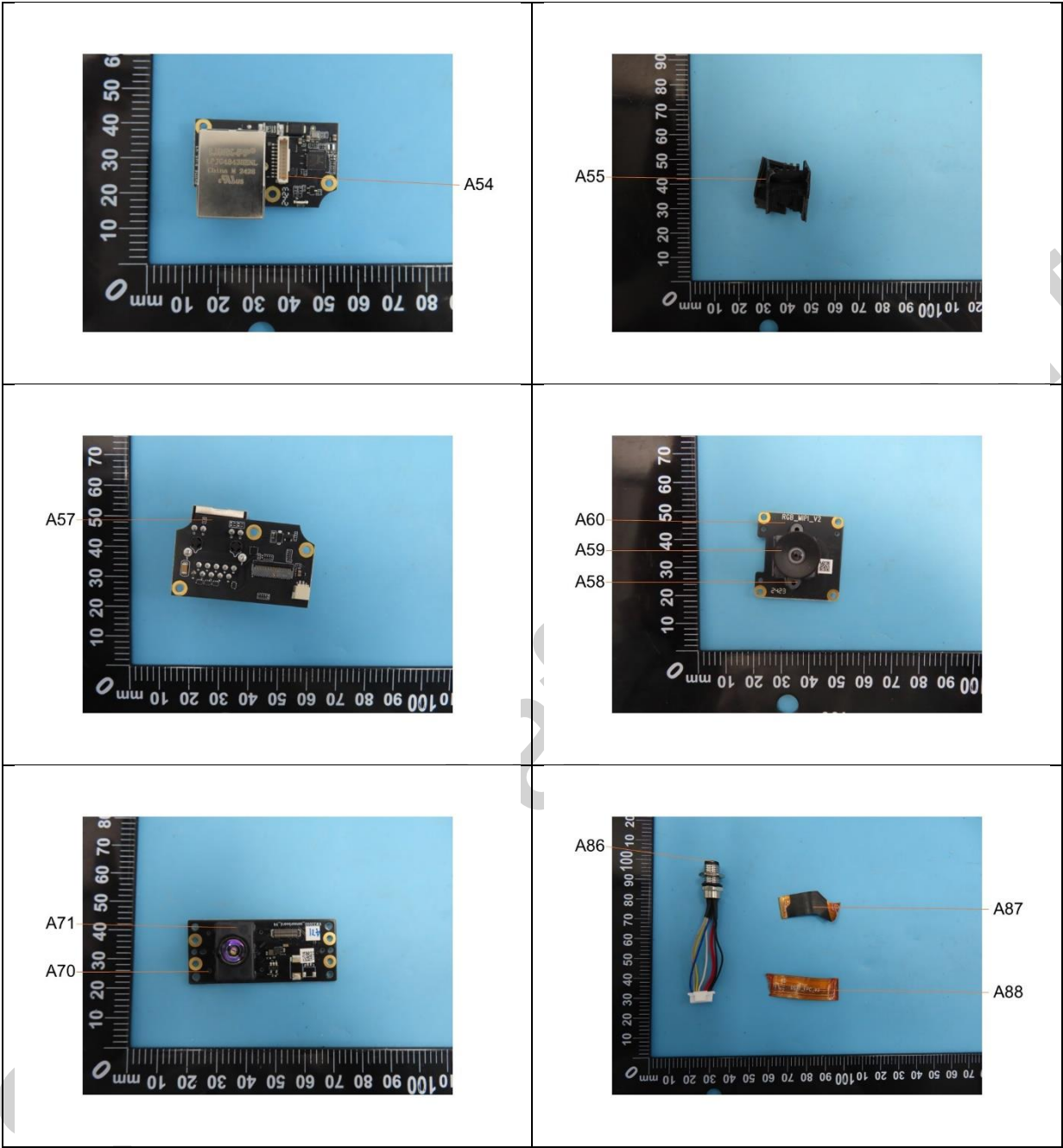
Organotin Testing Flow Chart

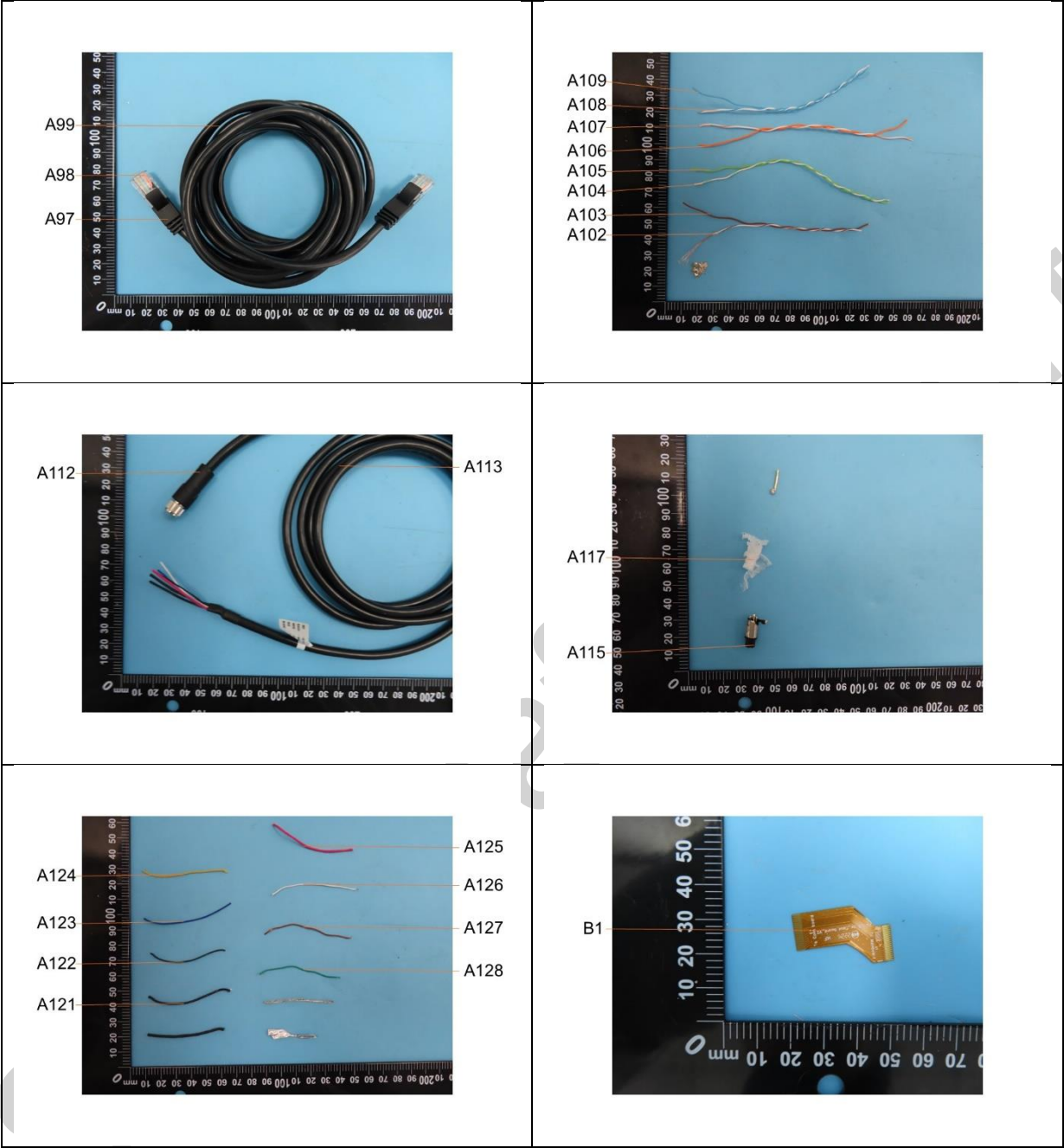


Sample photos:

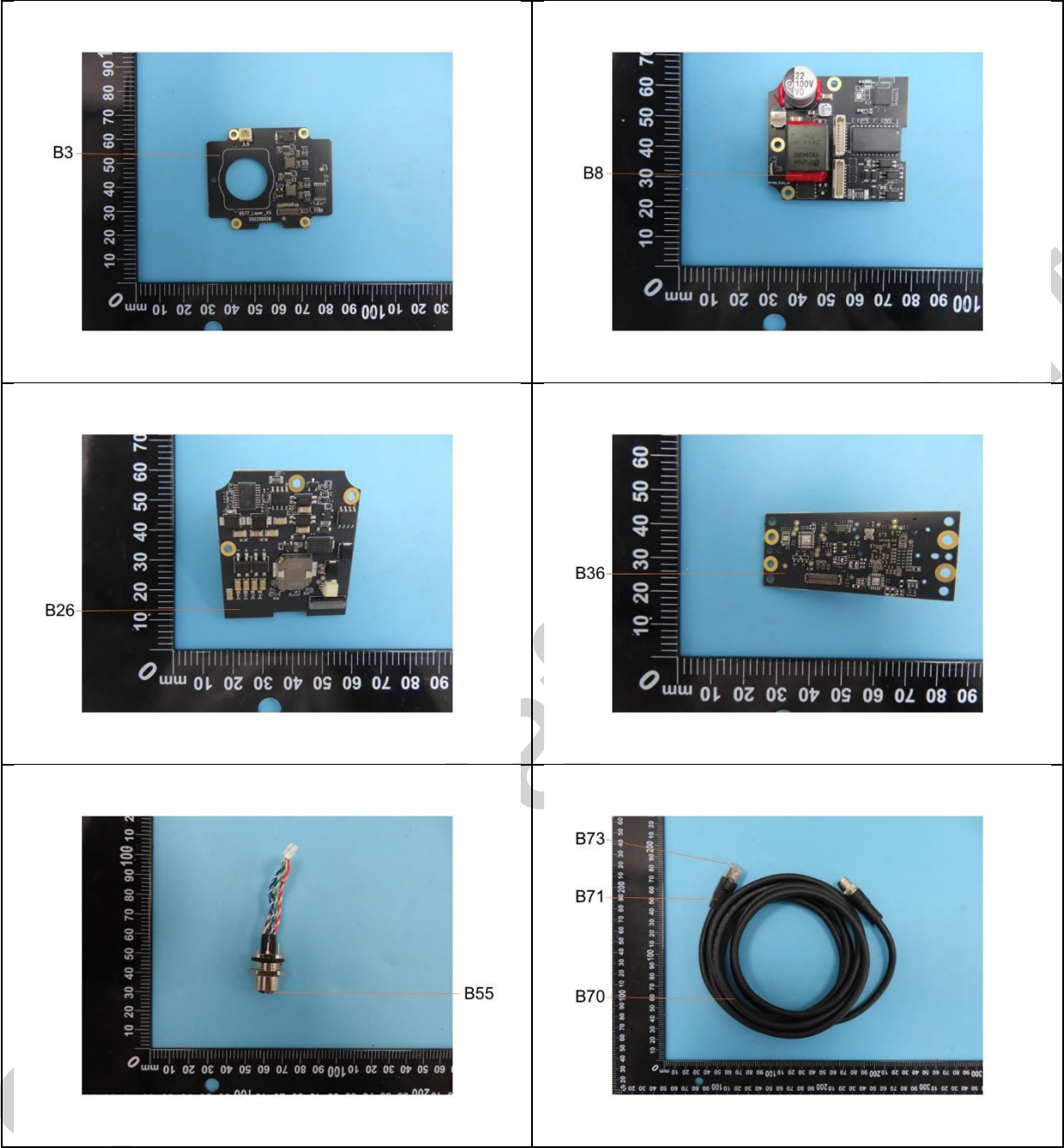
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 <p>DS86</p>	 <p>DS87</p>
 <p>A3 A2 A4</p>	 <p>A5</p>

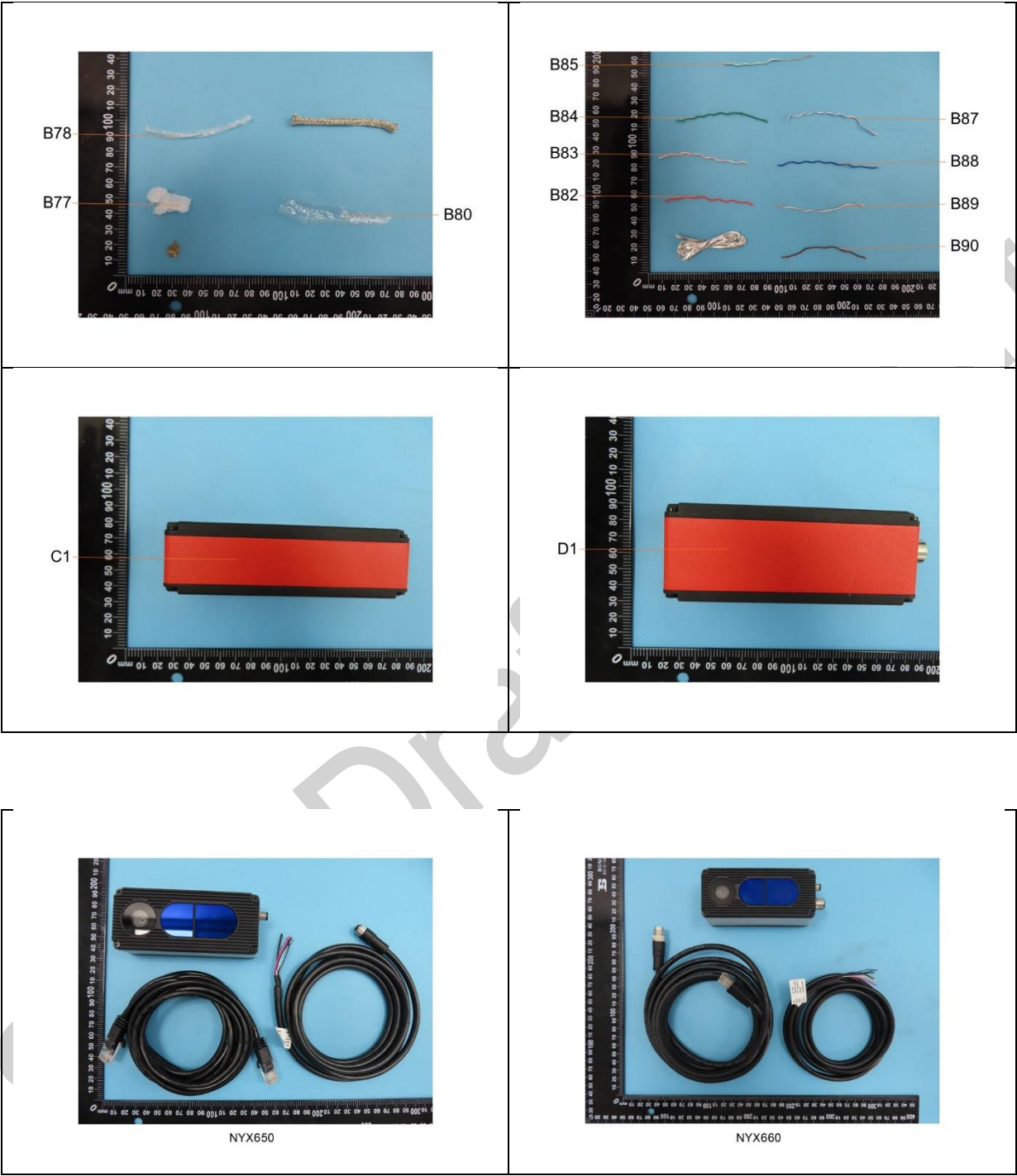




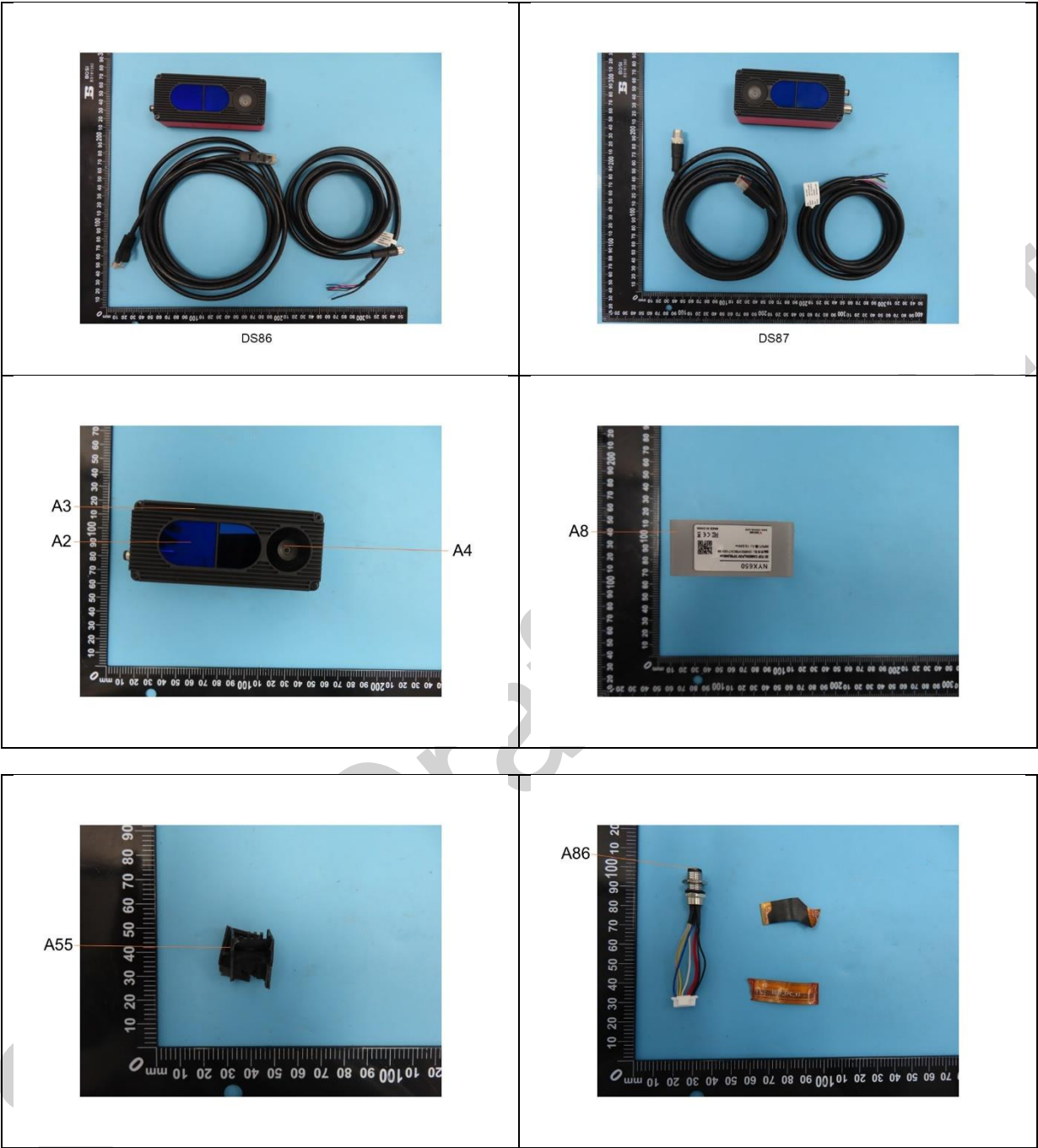


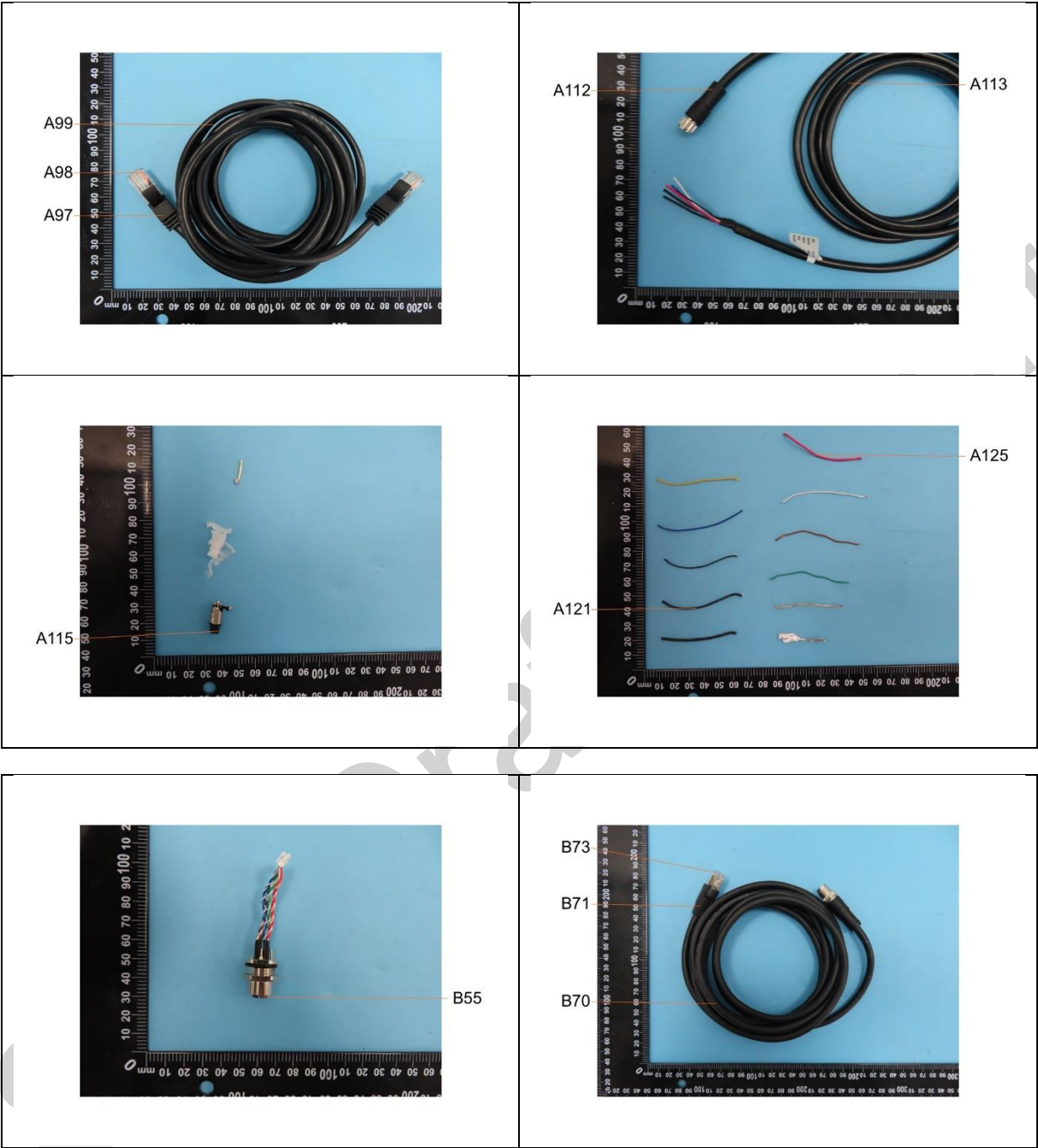


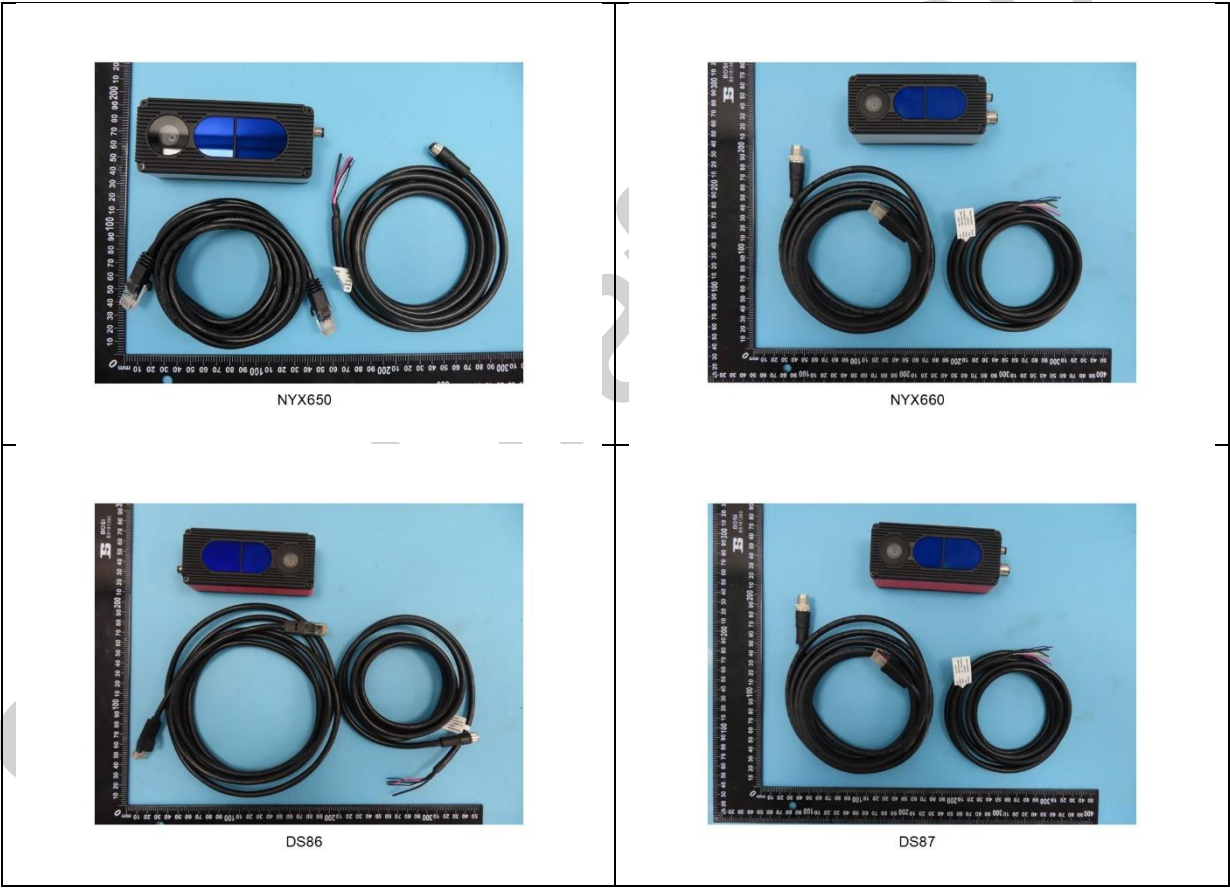
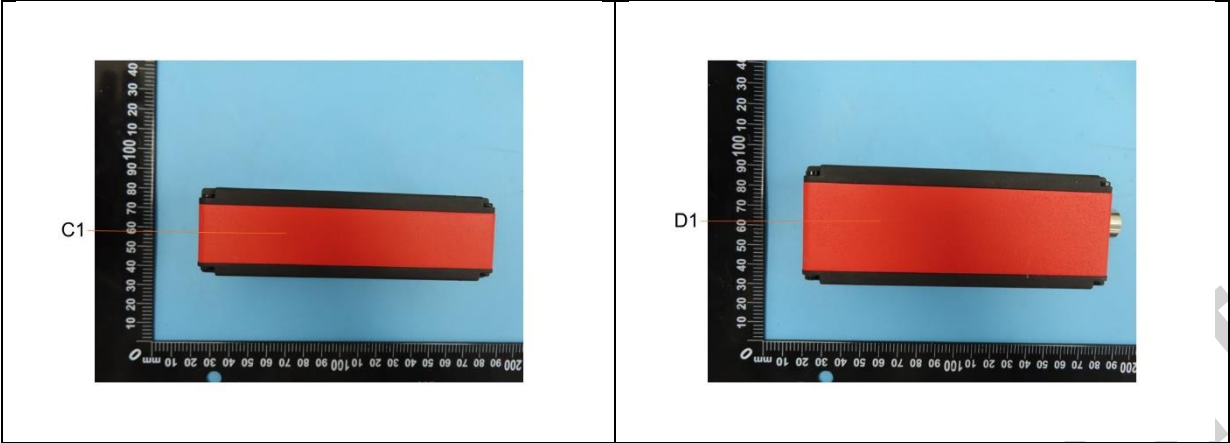


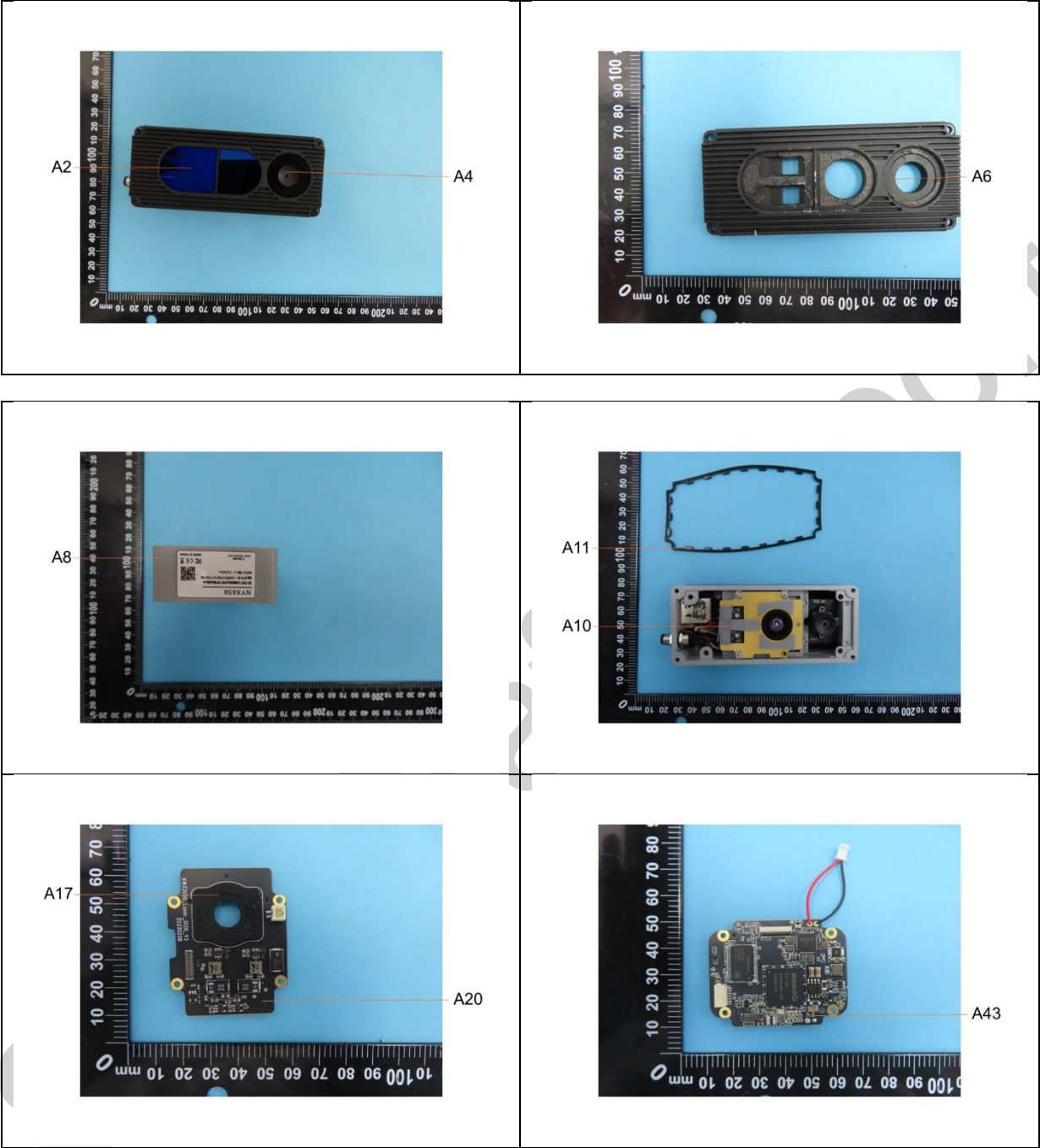




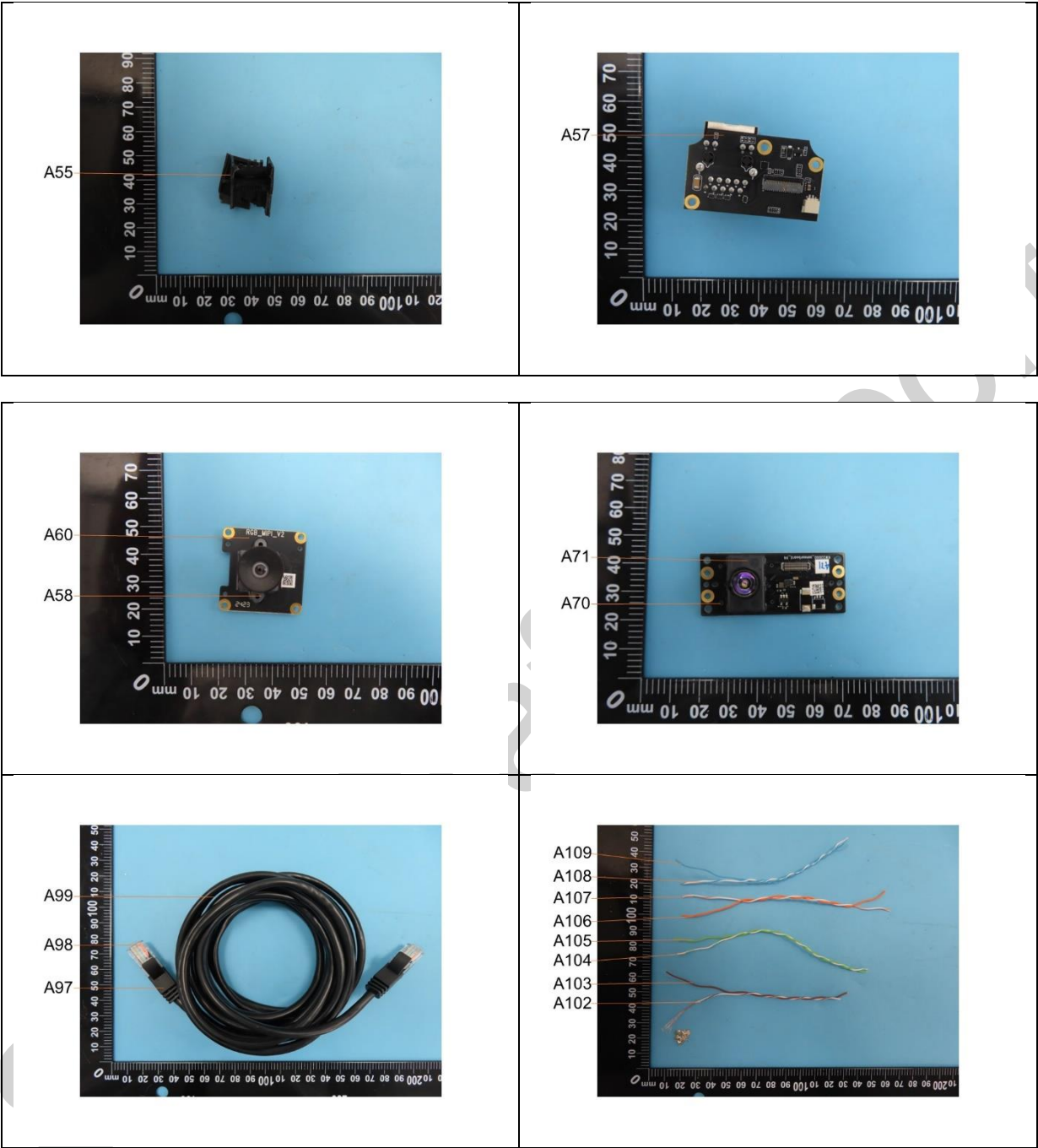


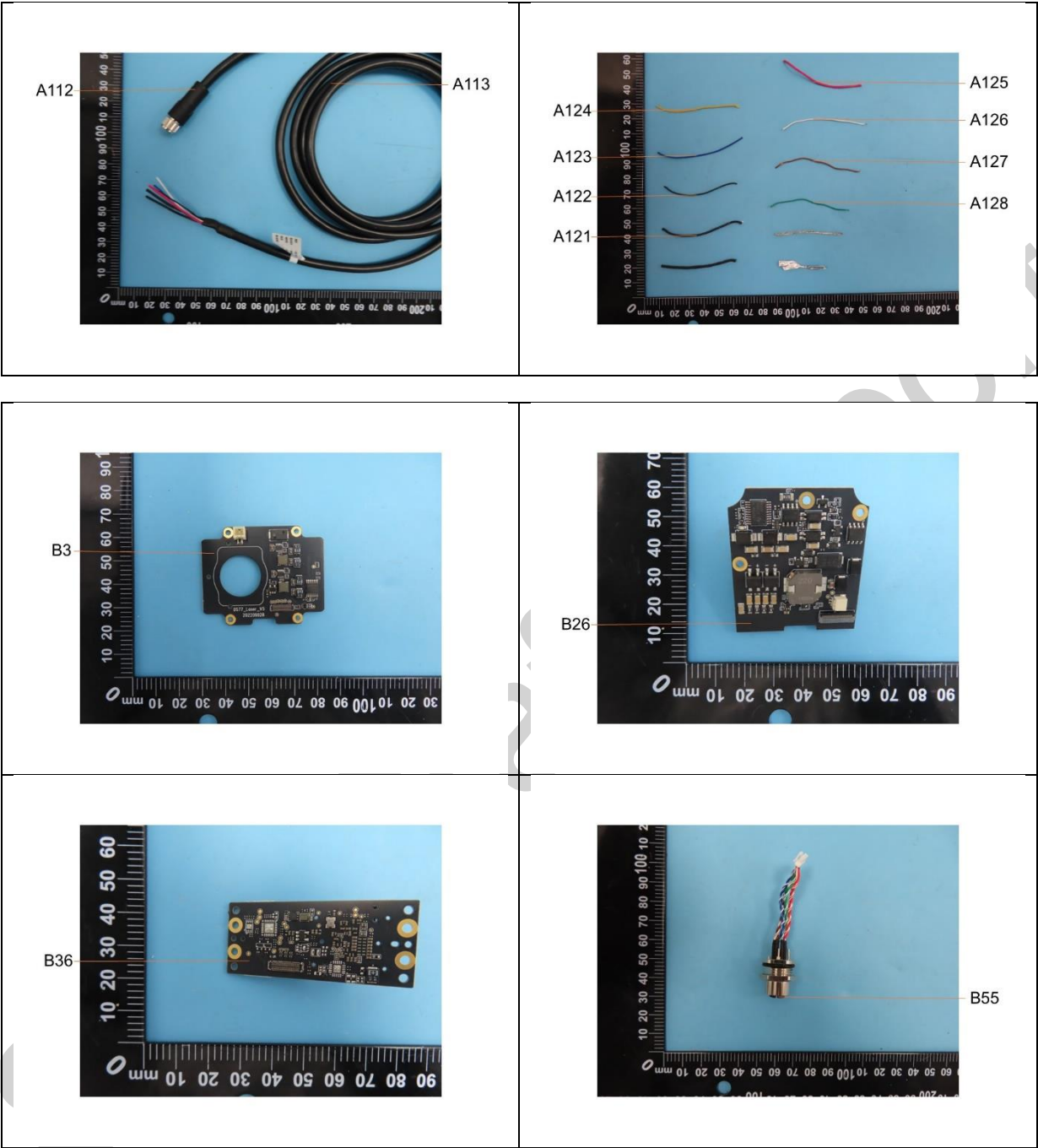


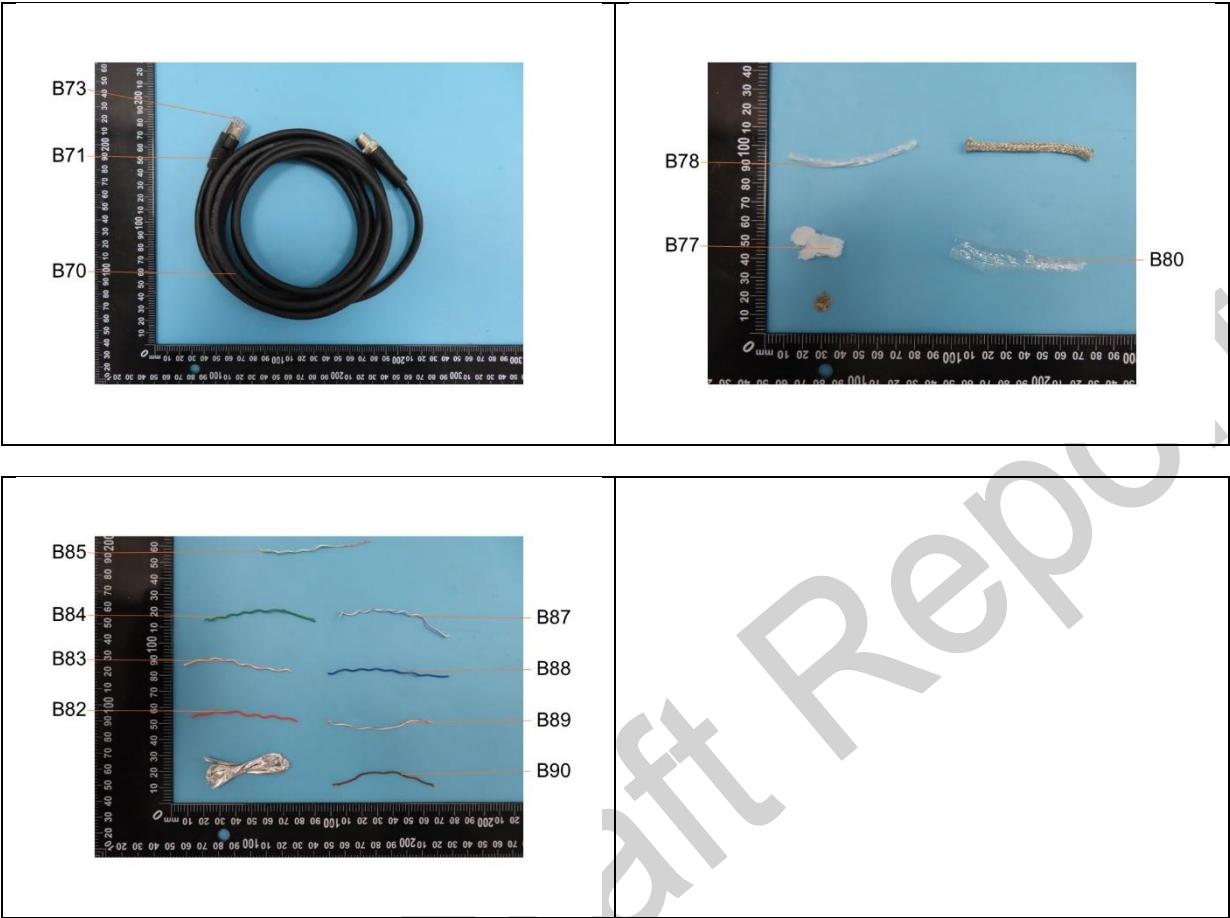












SGS authenticate the photo on original report only  
\*\*\* End of Report \*\*\*