

股票简称：中际旭创

股票代码：300308



中际旭创股份有限公司



上

其

30% 10%

50% 5,000
30%

2

1 80%

2 40%

3 20%

1-1-3

3

4

5

专 其

1

1 2017

2018 5 17 2017 2017
473,857,056 10

0.38 18,006,568.13

2017

2018 7 3 2017

2018 7 10 2018 7 11

2 2018

2019	5	15	2018	2018	
			509,833,844	10	
		1.23		62,709,562.81	
			10	4	
203,933,537			713,767,381		
	2019	5	28	2018	
		2019	6	3	
			2019	6	4
3	2019				
2020	4	22			
	2019				
713,165,136			10	0.84	
			59,905,871.42		
				2019	
	2020	6	23	2019	
		2020	7	1	
			2020	7	2
2					

	2019	2018	2017
	5,990.59	6,270.96	1,800.66
	51,348.72	62,311.60	16,150.54
	11.67%	10.06%	11.15%
	14,062.20		
	43,270.29		
	32.50%		

其

上

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2019 9 1

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2020 1

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15%

“ ”

1-1-8

“	”	2020	9	13%
13%				

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85%

7

AA

AA

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8

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.....	290

上

[illegible]

		2017 2018 2019 2020 1-9
		2017 12 31 2018 12 31 2019 12 31 2020 9 30

/		
SFP		SFP GBIC GBIC SFP “ mini-GBIC ”
XFP		850nm 1310nm 1550nm
CFP		40-100Gbps
QSFP		SFP QSFP
OSFP		SFP QSFP
IQC		
Burn in		
DCI		
AOC		
DWDM		
CWDM		16
ASON		
SDH		
MSTP		SDH SDH TDM ATM
EPON		PON

GPON		ITU-TG.984.x
OTN		
DOU		
BBU		
CU		
DU		
AAU		BBU AAU RRU
PAM4		
FTTH		FTTD
PCB		
Gbps		IEEE802.3 (1Gbps) 1000
PIN		P - -N
APD		
VCSEL		
FP-LD		
DFBLD		
EML		
GaAs/InP		
SiGe		Ge
CMOS		
CE		
CB		
RoHS		

WEEE		
FDA		
FCC		
UL		
TUV		
IPTV		

上

上

	ZHONGJI INNOLIGHT CO.,Ltd.
	300308
	2005 6 27
	71,316.51
	0535-8573360
	0535-8573360
	265705
	http://www.zj-innolight.com
	info@zhongji.cc

5G

上 其

1

“

”

2

300,000.00

1

$$I=B \times i$$

I

B

“ ” “ ”

i

2

7

8

1

$$\frac{P_1}{2} = \frac{P_0 + A \times k}{1 + n + k}$$

$$P_1 = P_0 / (1 + n)$$

$$P_1 = (P_0 + A \times k) / (1 + k)$$

$$P_1 = (P_0 + A \times k) / (1 + n + k)$$

$$P_1 = P_0 - D$$

$$P_1 = (P_0 - D + A \times k) / (1 + n + k)$$

$$P_1 = \frac{P_0 - D + A \times k}{1 + n + k}$$

/

/

9

$Q=V/P$

Q

P

V

10

1

85%

2

11

1

2

130% 130%

3,000

$IA=B \times i \times t/365$

IA

B

i

t

12

1

70%

2

$$IA=B \times i \times t/365$$

IA

B

i

t

13

14

15

16

1

2

3

4

10%

17

300,000.00

1		95,580.91	94,451.90
2		71,212.10	64,448.00
3		58,786.90	51,333.40
4		89,766.70	89,766.70
		315,346.61	300,000.00

18

19

20

其

“ AA ”

“ ”

“ AA ”

专

1

2

	T+1	
	T+2	
	T+3	
	T+4	

具

专

上

	0535-8573360
	0535-8573360

	618
	021-38031866
	021-38670666

专

--	--

	6 SK 28/31/33/36/37
	010-59572288
	010-65681022/1838

	()
	202 2 11
	021-23238888
	021-23238800

	8 401
	021-52402166
	021-62252086

具

	7008 3
	0755-82872897
	0755-82872897

不

	2012
	0755-88668888

	0535-8573360
--	--------------

	201222-28
	0755-21899999
	0755-21899000

20201130

254,7790.04%

443,02500.06%

专

上

上

专

2019	5	17	3,000
2019	9	1	

上

专

2020 1

专
上

15%

“ ” 2020 9 13%
13%

具

不
上

专 企

85%

其 企

具 企

不

AA

AA

/

上 其

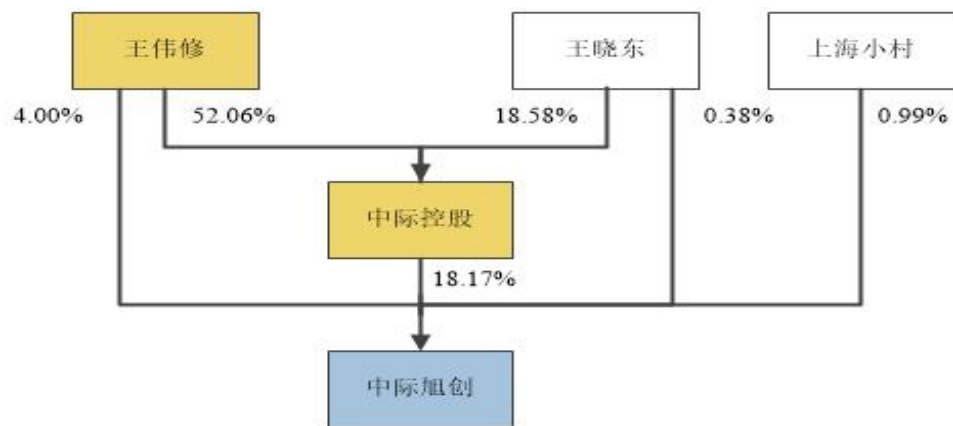
上 其

2020 9 30

713,165,136

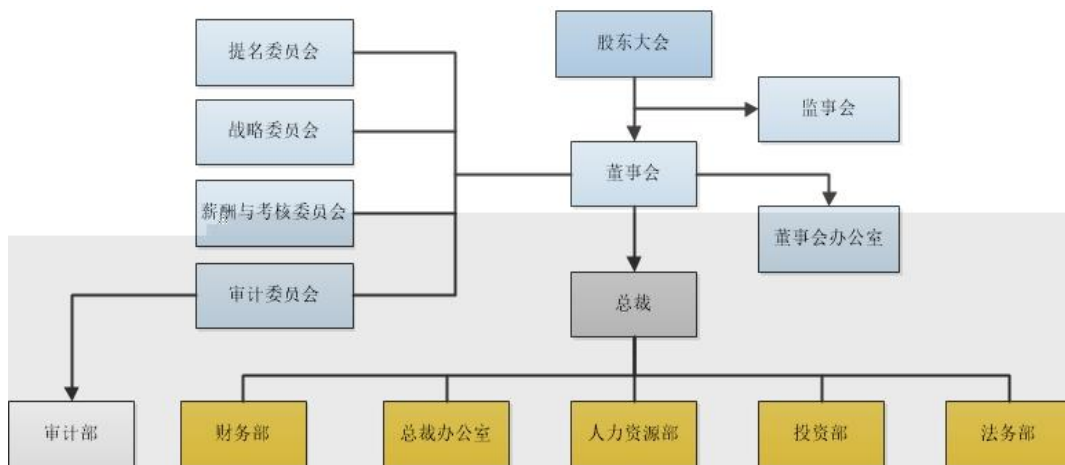
		%
	679,528,463	95.28
	33,636,673	4.72
	0	0.00
	33,454,673	4.69
	182,000	0.03
	713,165,136	100.00

2020 9



其

2020 9 30



专 其

1

2020 9 30

1

	2008 4 14
	197,258.46
	197,258.46
	8
	100%

--	--

		2020 9 30	2019 12 31
		981,387.86	813,106.35
		524,790.02	470,057.44
		2020 1-9	2019
		570,958.87	530,931.25
		51,212.89	617,16.06

2019 12 31 /2019
)
30 /2020
2
2020 0117 ;2020 9

	2017 11 28
	5,000
	5,000
	100%

2020 9 30

		2009-11-11	10,300	67.19%
		2017-10-25	118,539.7	100%
		2012-08-25	330	100%
		2018-09-21	1,500	100%
		2018-12-04	0.1	100%
		2019-08-26	1.49	99.99%
		2018-09-21	500	
Avance		2020-02-06	300	100%
		2019-03-04	10	100%
		2019-11-26	5,000	100%
		2019-12-04	5,000	100%
		2020-04-08	1,000	100%

2

	2019	/2019-12-31	60,323.08	25,479.66	52,872.62	1,871.10
	2020	1-9 /2020-09-30	67,589.99	26,657.03	21,438.76	1,475.64
	2019	/2019-12-31	120,985.52	49,279.72	53,026.18	4521.09
	2020	1-9 /2020-09-30	148,598.46	74,076.48	114,499.64	7,251.33
	2019	/2019-12-31	888.36	474.73	-336.87	-38.35
	2020	1-9 /2020-09-30	874.21	510.65	249.71	28.87
	2019	/2019-12-31	2,824.23	1,557.31	833.99	69.74
	2020	1-9 /2020-09-30	3,272.33	2,765.51	6,657.91	1,208.19
	2019	/2019-12-31	200.00	183.00		-17.00
	2020	1-9 /2020-09-30	200.00	183.00		
	2019	/2019-12-31	2,945.67	50.53	929.65	35.35
	2020	1-9 /2020-09-30	3,929.39	227.22	4,619.83	277.75
Avance	2019	/2019-12-31	-	-	-	-
	2020	1-9 /2020-09-30				

3

2020 9 30

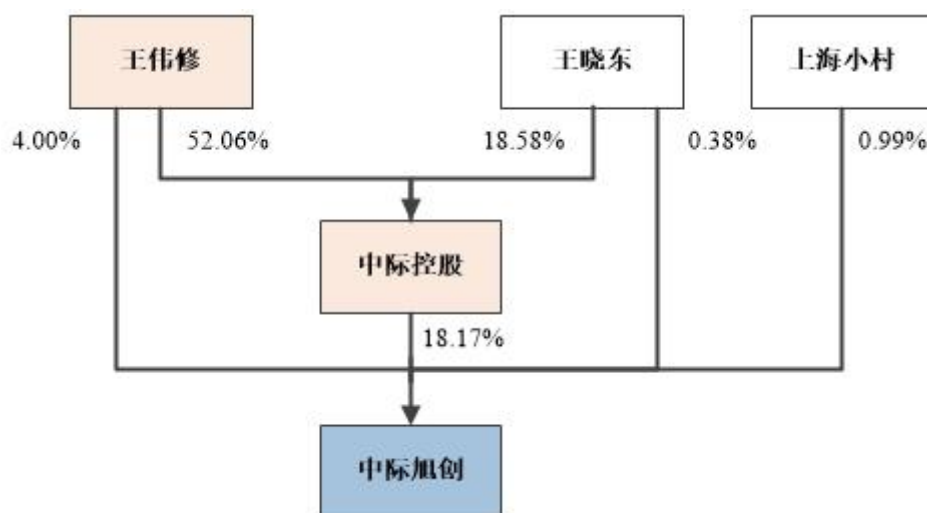
		2018-08-24	101,000	2.97%
		2020-01-21	100,000	3%
		2018-02-07	1,250	20%
		2009-09-30	901	5.66%
		2018-03-29	12,882.4	82.79%
		2019-09-05	609,1288	3.10%
		2018-08-29	68,200	1.47%

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1

2020 9 30



23.54%

2

	2,000		
	1999 01 18		
	91370681706399244W		
		2019 12 31	
		87,857.81	
		-32,137.22	
		2019	
		0.00	
		-4,326.08	

()

[2020] 17-00071

2020 9 30

1		10,412,875	52.06%
2		3,715,000	18.58%
3		787,125	3.94%
4		650,000	3.25%
5		600,000	3.00%
6		600,000	3.00%
7		550,000	2.75%
8		300,000	1.50%
9		215,000	1.08%
10		200,000	1.00%
11		200,000	1.00%
12		140,000	0.70%
13		170,000	0.85%
14		160,000	0.80%
15		150,000	0.75%
16		100,000	0.50%
17		100,000	0.50%
18		100,000	0.50%

19		100,000	0.50%
20		100,000	0.50%
21		90,000	0.45%
22		90,000	0.45%
23		80,000	0.40%
24		60,000	0.30%
25		50,000	0.25%
26		50,000	0.25%
27		50,000	0.25%
28		40,000	0.20%
29		40,000	0.20%
30		40,000	0.20%
31		30,000	0.15%
32		30,000	0.15%
		20,000,000	100%

3

202093052.06%

2,850.80

16,789.9723.54%

195011

20101020175

20175

2020 9 30

1		1999-01-08	2,000			52.06%

专

2020 9 30

其
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上

	- 1	- -				
			25%	2012 10	4	
			25%	2012 10	4	
			25%	2012 10	4	

			25%	2012 4 10		
			1 2 3 1 2 3 4 4 5 6	2012 4 10		

			7			
			8	,		

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2012 4
10

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				2012 4 10		
				2012 4 10		
				2012 4		

			/	10		
			/	2012 4 10		
			11	2012 4 10		
			11	2012 4 10		
				2018 6	2019 6	

				20	19	
			6	2018 11 9	2019 4 3	
			6	2019 5 3	2019 4 9	
			7,500 48.92 / 12 36 15,000	2019 6 6	2019 18 11	

				2019 7 23	2020 7 22	
				2019 11 09	2020 11 08	

5G

			2019 12 20			
			1 / / 2 / 3 / / / / / / 4 / / 5 /	2016 11 25		
			1 /	2016 11 25		

				2					

3

/

			/ 2 / / 3 / /			
			4 / / / /			
			1 2 3 4 5	2016 11 25		

	InnoLight Technology HK Limited ITC Innovation		1 / / 2 / 3 / / 4 / / 5 InnoLight Technology Corporation / / / / / /	2016 11 25		

6

/

/

10%

/

/

10%

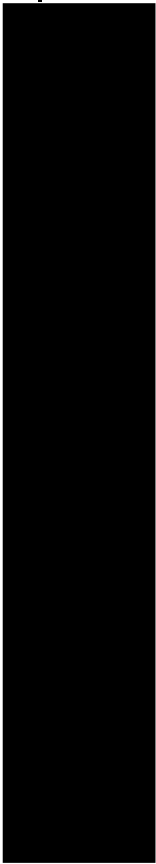
/

/

			1 36 2 3 4		2017 07 14 13	2020 7 13
	InnoLight Technology HK Limited ITC Innovation		1 36 2018 2 3		2017 07 14 13	2020 7 13

			1	60		
				60	2017 08 11	2022 8 10
			2	5%		
			12			
			60		2017 8 11	2022 8 10
				5		
				60		
				60	2017 08 11	2022 8 10
				/		

			60			



InnoLight
Technology
HK Limited
ITC
Innovation

/ /

2017 8
11

	Wei-long William Lee		1 Innolight USA, Inc. 3 Innolight USA, Inc. Innolight USA, Inc. 2 Innolight USA, Inc. Innolight USA, Inc. 2 Innolight USA, Inc. Innolight USA, Inc. 2 Innolight USA, Inc. Innolight USA, Inc. USA, Inc.	2017 8 11 10	2022 8 10	
			1	2017 8 11	2022 8 10	

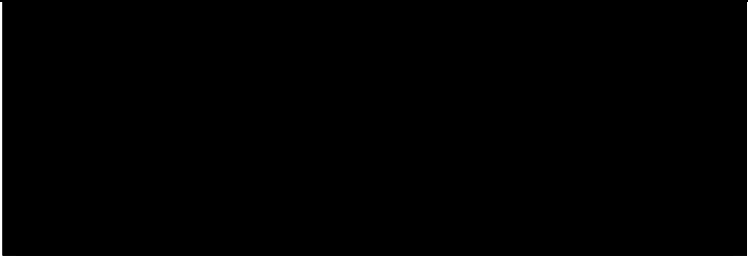
			3			
			2			
			2			

/ /

2017

			2 / / 3 / / 4 / /			

	- 1	- -				
			25%	2012 10	4	



2012 4
10

			25%	2012 10	4	

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2

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3

4

4

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			8	,		

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				2012 4 10		
			/	2012 4 10		

			/	2012 4 10		
			11	2012 4 10		
			11	2012 4 10		

2018 6 2019 6
20

				11	4	
			6	2019 5	3 2019 4	9
			7,500 48.92 / 12 36 15,000	2019 6	6 2019 18	11
				2019 23	7 2020 22	7
				2019 09	11 2020 08	11

			5G	2019 11 09	2020 11 08	
			2019 12 19 18 0.4812% 2019 12 20 3,434,852 “ ” 2019 12 12	2019 12 20	2020 12 19	

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7

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上

Osa Chou-ShungMok	

1

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”

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3

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1971 7

(TEEC)

Pine Photonics

Communications

Opnext Inc.

2008 5 2017 6

2016

5

2017 7

2017 10

2020 7

2017 8

1976 12

2015

3 2016 1

2016 1

2018 3

2017 11

2016 1

1955 4

1993 2 1995 5

1995 5 2000 9 Omni Vision

2000 5 2008 3

CTO 2008 3 2009 12 2017 9

1969 5

1994

1996 7

2019 2

1973 8

, 1996 7 1999 9

1999 10 2010 9

2009 9 2015 9

2015 2 2017 5

2011 9 2018 4

2020 12

1965 11

1987 7

. ;

2018 1

2010

2014 2019

2020

“ ” 2015 2020

1979 11

2005 8 2014 4

2014 4 2014 11 2014

11 2017 8

2018 3 2018 3

专 其

2019

			157.60
			206.33
			72.15
			6.00
			12.00
			12.00
			10.00
			-
			20.36
			17.03
			79.09
			130.60
			121.84
Osa Chou-Shung Mok			233.08
			6.00
			12.00
			2.00
			-
			41.55

1	2017	-2021	
2017	9	6	2017
<			2017 -2021
>			
2017-2021			
2017	9	13	
			2017
-2021			
2017	-2021		
2017	9	13	2017 -2021
		355	14,862,520
14,862,520			2017 9 20
			2017 9 25
2018	8	10	
2018	8	10	211 164.7
2018	9	3	
2			
2020	11		2020 11 16
			1,000
7,1316.5136		1.40%	900

7,1316.5136	1.26%	100	
7,1316.5136	0.14%		10.00%

2020	2020	12	14
------	------	----	----

148

899.90	2020	12	15
148	899.90		

其

2020	9	30
------	---	----

		-	
		CMC Holdings Limited	

具

2020 9 30

1		28,508,022
2		2,464,539
3		2,734,435
4		-
5		-
6		-
7		-
8		-
9		-
10		-
11		-
12	Osa Chou-Shung Mok	-
13		210,000
14		315,000

不

1

2016 12 31

7

1 2017 4 20

2 2017 5 31 2016

3 2017 8 22

2017 8 21

4 2017 9 6 2017

7 9

5 2018 6 12
2018 6 12

6 2018 7 9 2018

7 2019 2 16

8 2019

2 2017 8 22
2017 8 21

3 2017 9 6 2017

3

2016 12 31 6

1 2017 5 31

2 2017 8 21

3 2018 1 3
2018 1 2

4 2018 1 22

5 2018 1 23

6 2018 3 26

Osa

Chou-Shung Mok

7 2018 3 27

8 2020 6 10

具 其
上

“ C39

”

“ C76

”

1

2

1

		2020	
2020 3 4		2020	5G
“ 5G+ ” 512		2019	5G 5G “ 5G+ ”
		2018	“ ” “ ” “ ”
2018-2022		2017	25Gb/s DFB 200G 400G
		2017	2016-2018 “ ” 4

		2016	
		2015	
		2015	
“ 2015		2014	“
		2014	”
“		2014	“ ”
		2013	2015 20 Mbps 100Mbps 4Mbps 95%
“		2013	2015 2020
		2013	
“ ”		2012	2020 100Mbps 1,000Tbps
“ ”		2012	
		2012	“ ”

“ ”

2012

“

”

“

”

“

2009

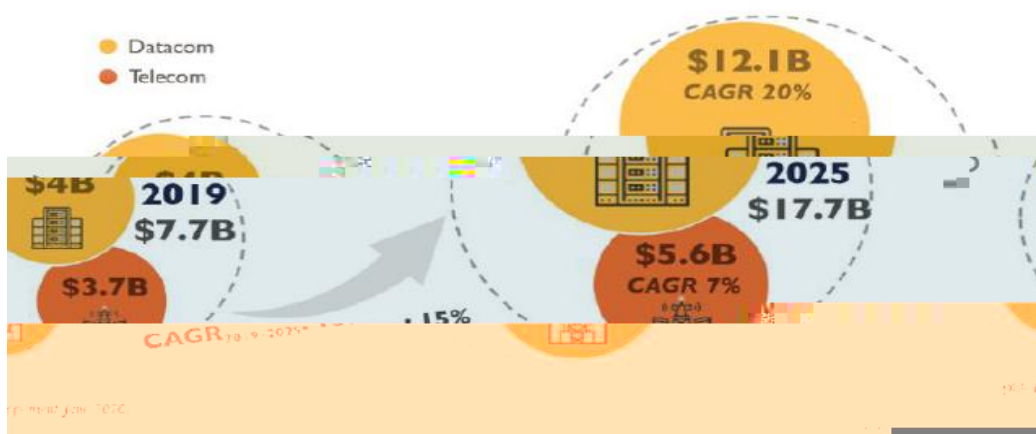
2011 “ ”

1

1

2018

63	Yole	2019	77
22.22%	2020		Omdia
ICP			100G 400G
	DCI	400G	AI
		AOC DWDM	
2020		83	7.79% 2025 Yole
	2019	77	177
2019-2025		15	2019
40	2025	121	20%



Yole

40/100G 100/400G 2020 400G

100G



Lightcounting 2020 400G 60 2021

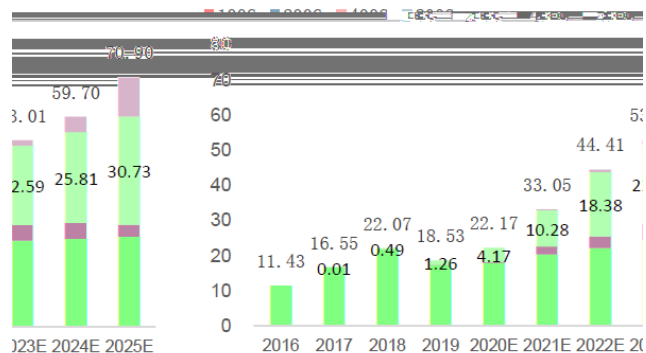
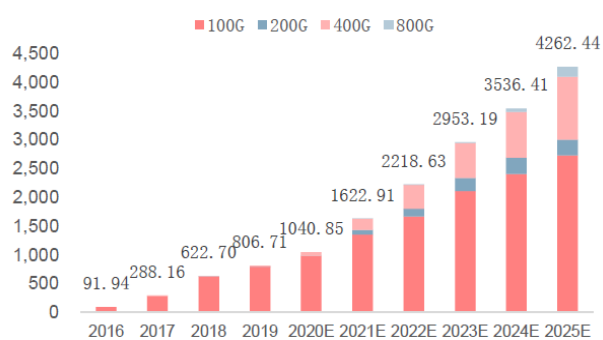
200 2021 400G 10 2020

140% 400G 100G 100G

100G 2020 14% 20

200G 2021 80

100G **100G**



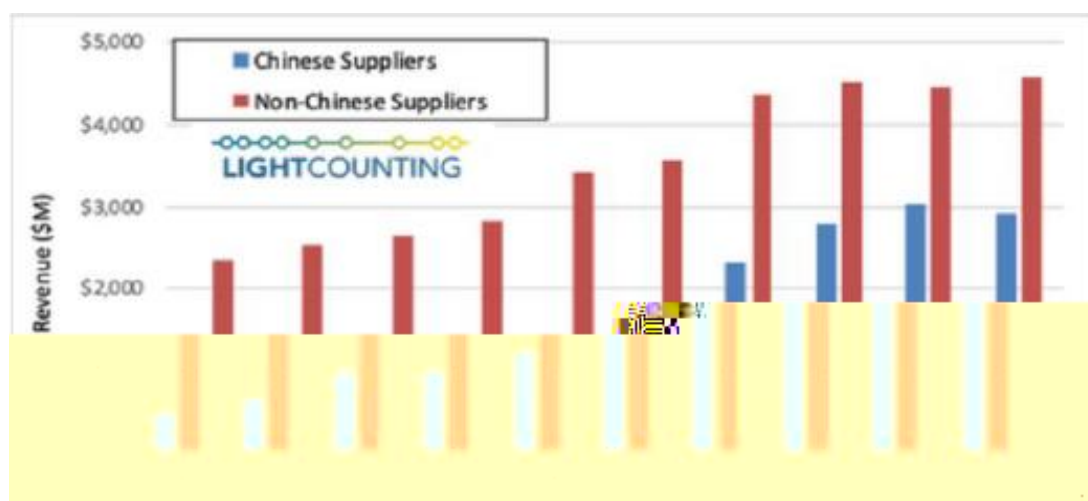
Lightcounting

2010 5 2018 30 2019 2020

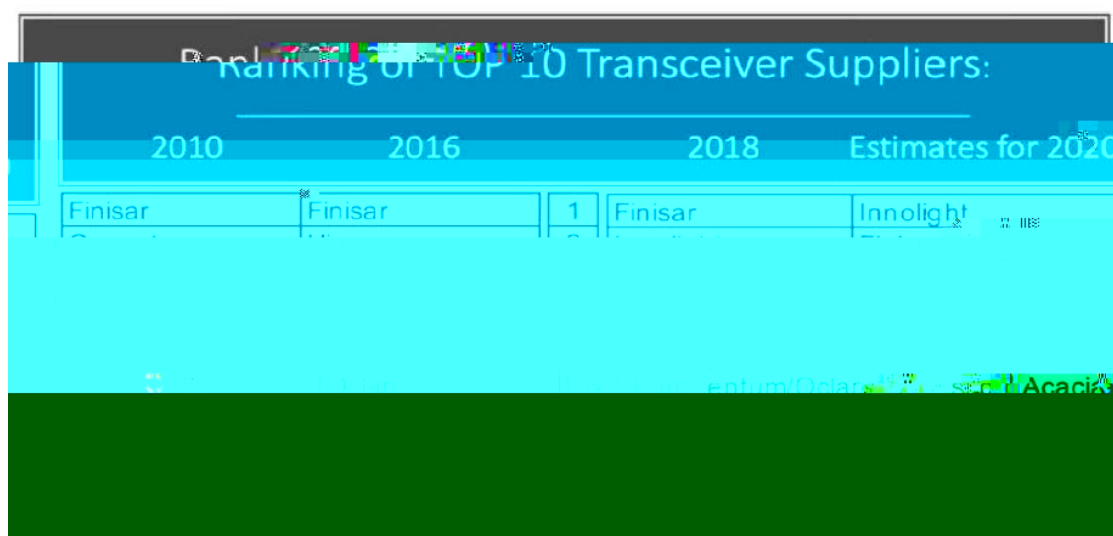
5G

Light Counting

2020



Light Counting



Light Counting

9%

Finisar

15%

7%

10Gb/s

50%

25Gb/s

25Gb/sPIN

/APD

25Gb/s

VCSEL

DFB

EML

25Gb/s

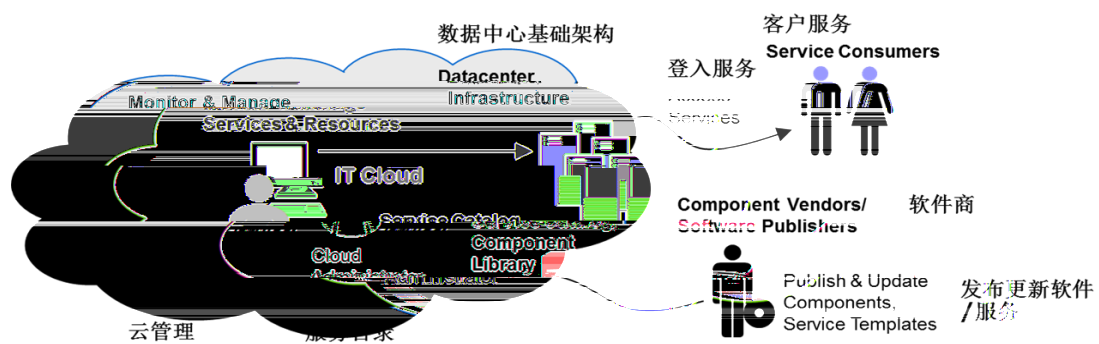
3

5G

AWS

Azure

IT



Workload

2016

83%

2021

94%

6

CAGR

-5%

6

CAGR

22%

71.5%

13.6%

Datacenter to

1-1-95

Datacenter

GCI2016-2021
2021

GCI2016-2021

IT

A.

	Amazon	110.63	136%
2020		100%	
	Microsoft	49.07	
45%			
Facebook			

Wind

2

-

-

1/10

1/10

10

1

2021

85%

71.5%

13.6%

Leaf-Spine

Wind

25/100G 50/200G/400G

	8.8	9.2	44 /48

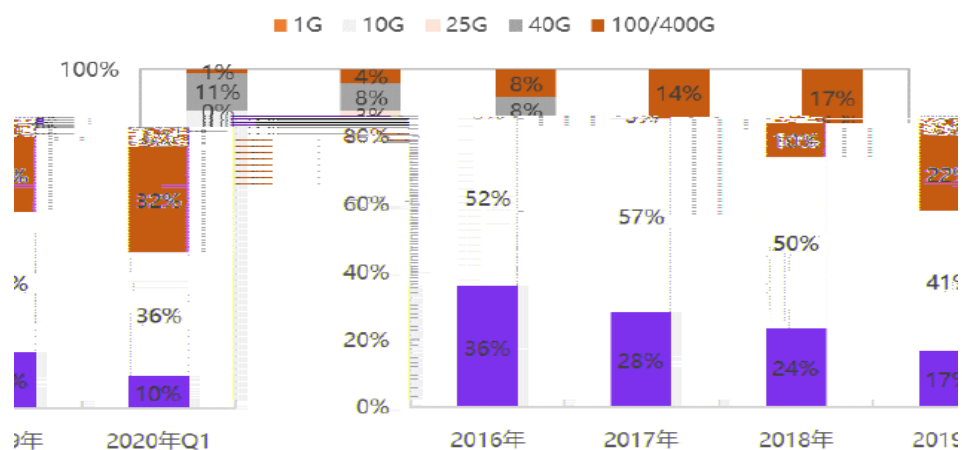
51CTO

C.

7% 2020

50%

2016 -2020 Q1



Gartner
100G/400G

40G

2020 -2023

100G

2023

33,766

30%

2018

8%

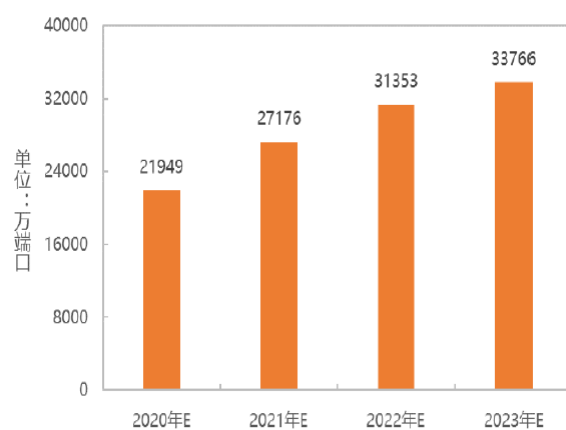
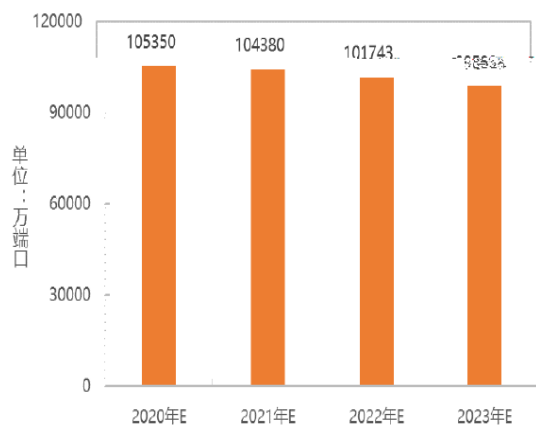
22

2-3

100G

100G

100G



Gartner

10Gbps

3m

1

100G

2

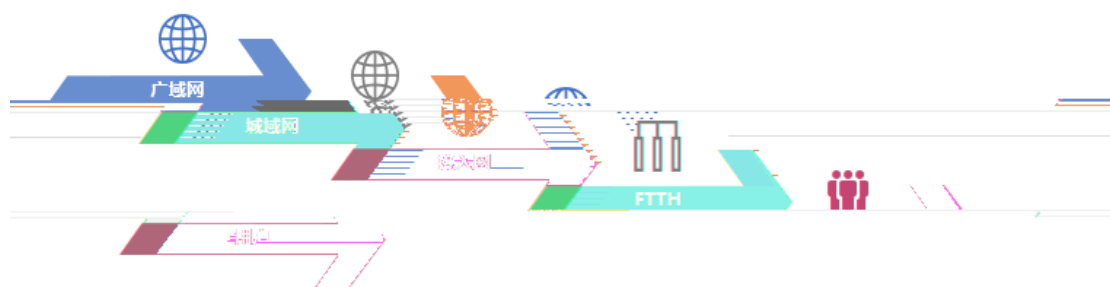
3

100G 200G 400G 800G

5G

A.

5G



IP ATM

“ ”

	- -	DWDM ASON
		SDH MSTP
		EPON GPON

100G OTN

2014 100GOTN 25%

100GOTN 100G

100G 2020 4

200G

200GOTN

200G

B. 5G

2020 5G 5G

“ ” 2020

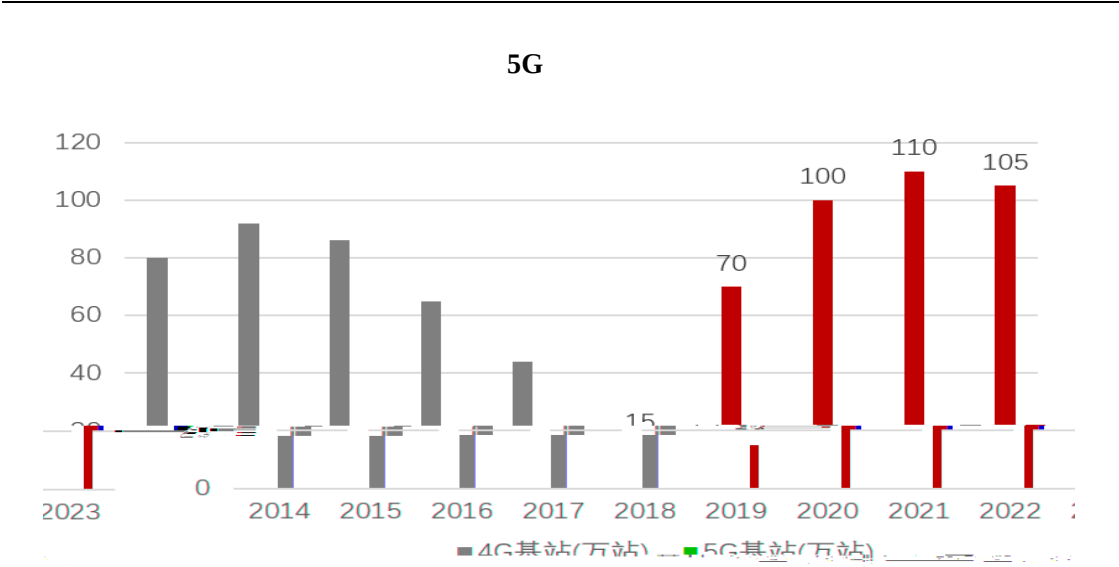
5G 5G

2020

5G

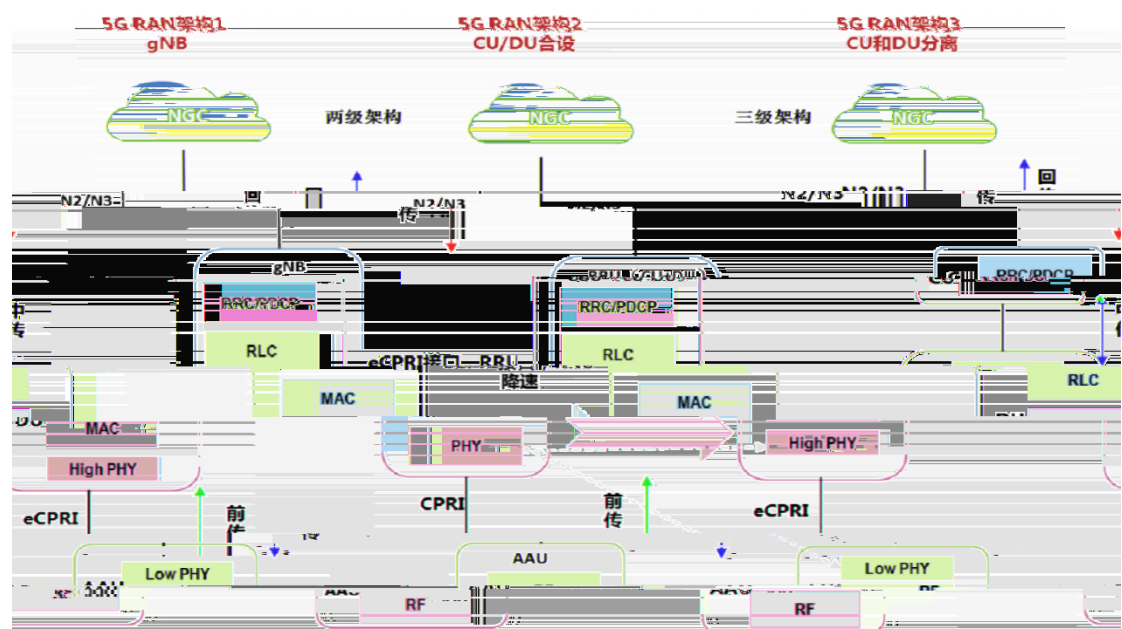
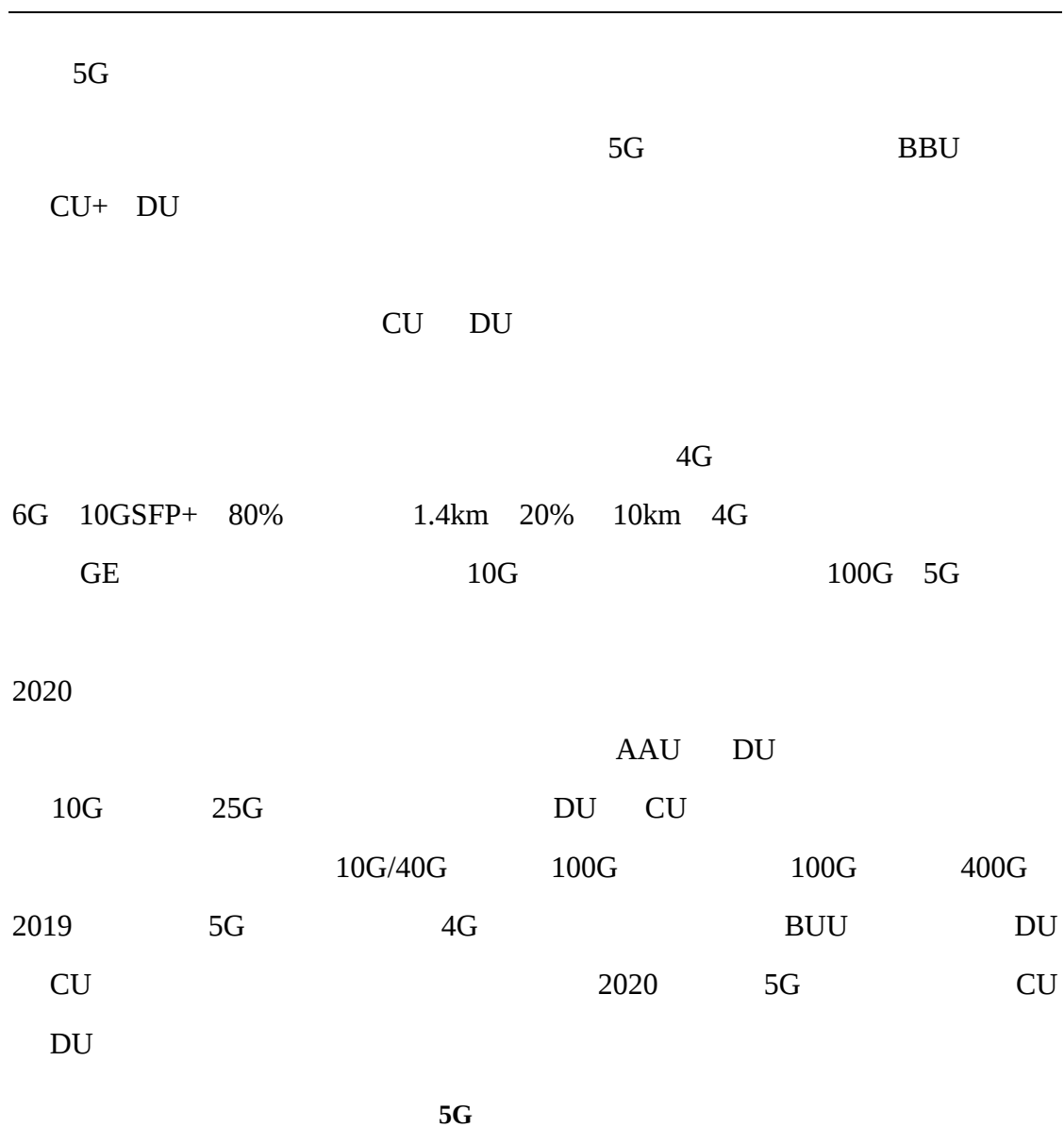
2019-2023 5G

400 5G 2,600



5G	10			
	5G	DOU	60GB	5G
2019	4	5,938TB/	2020	
132,057TB/	10	22.24	4G	
1/4 2020	2	5G	DOU	25.22GB
5G	4G	2.72	2020	2
DOU	8.88GB	5G/4G	5G	
20GB				





50G

400G

7,000

359.2

2019

455

A.

VCSEL FPLD DFBLD EML

PIN APD

B.

X-Y-Z

IC

GaAs/InP

SiGe

C.

100G 400G

D.

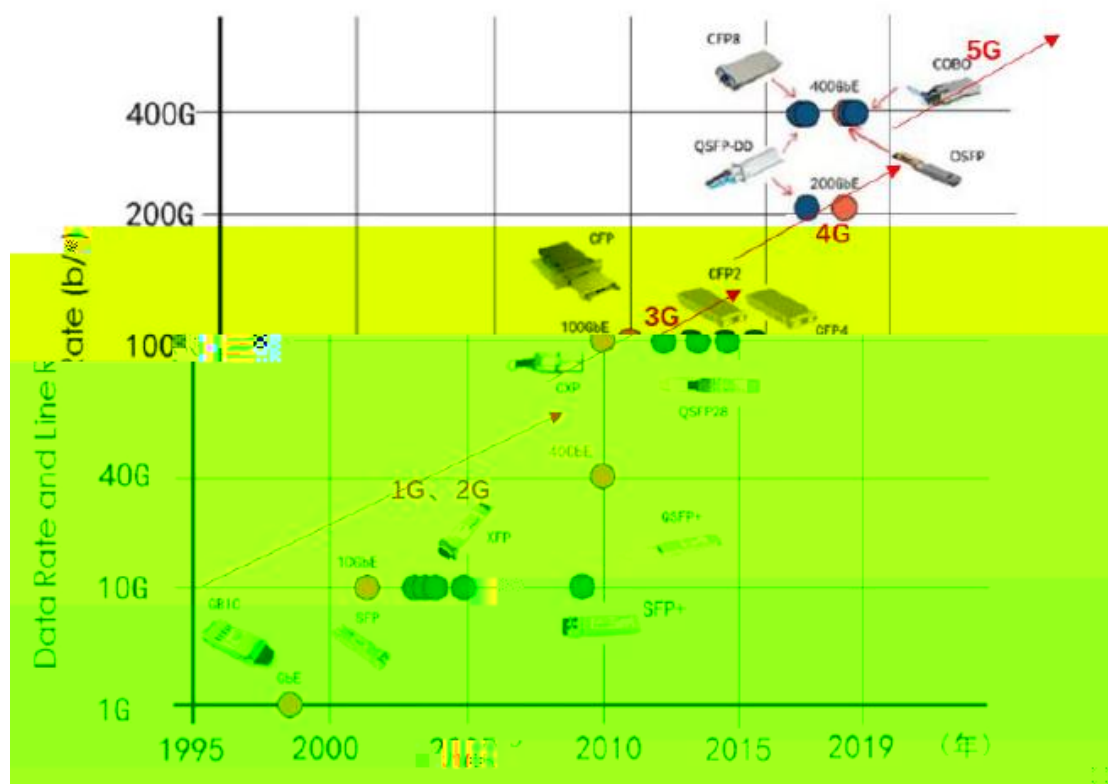
100

1550

(

1530

1565nm)



100G

400G/800G

CMOS

/

400G

PAM4

DRIVER MUX

400G

Luxtera

Intel

400G

Intel

100G

InP

400GQSFP-DDDR4

DR4

400G

1 4 Breakout

100GDR1/FR1

400G

WDM

Yole

2018 -2024

44.5%

2018

4.55

2024 40

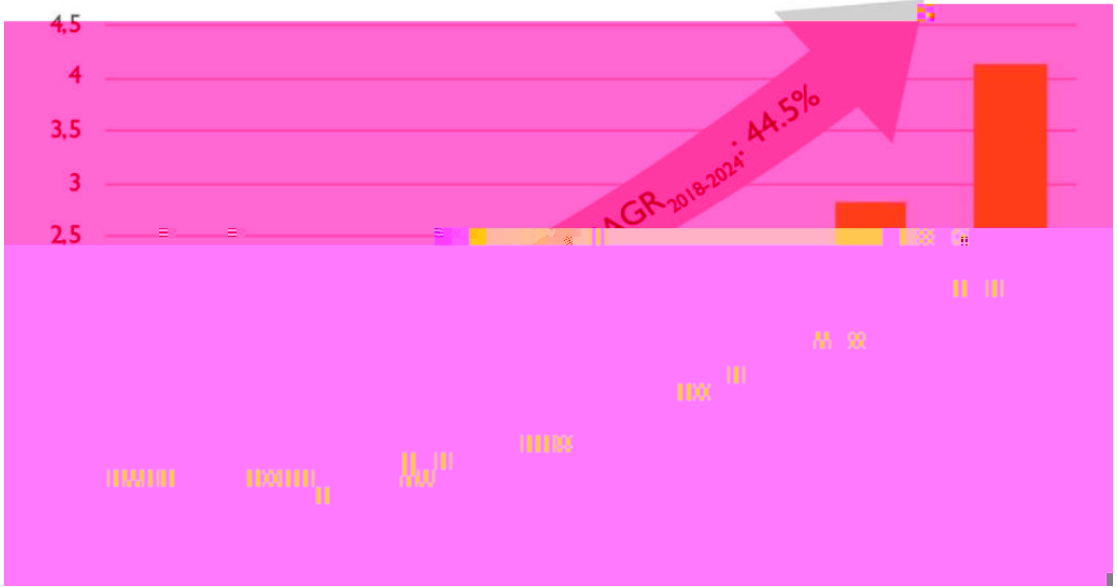
21%

2018

10

DCI

2018-2024



Yole

2

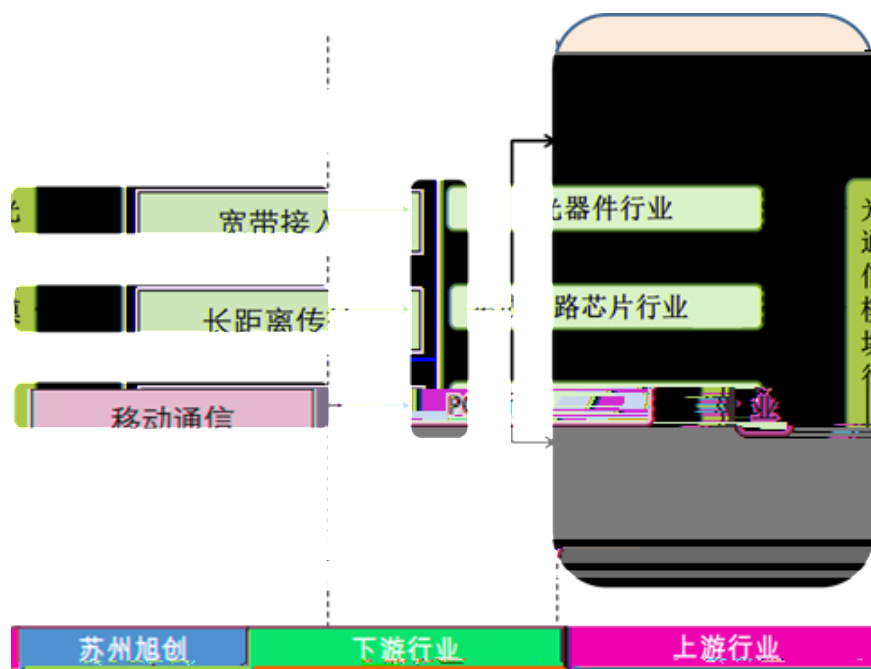
1

2

专

1

PCB



1

PCB

PCB

2

5G

2

1

2

85%

1

1

2

CE CB

RoHS/WEEE

FDA FCC

UL

3

4

2

1

2

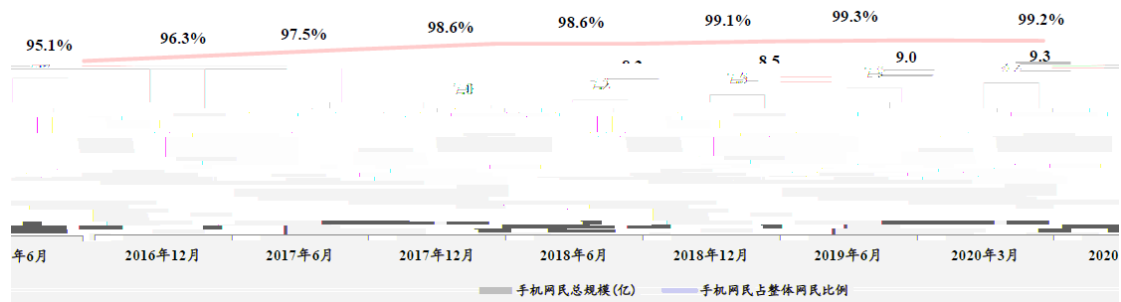
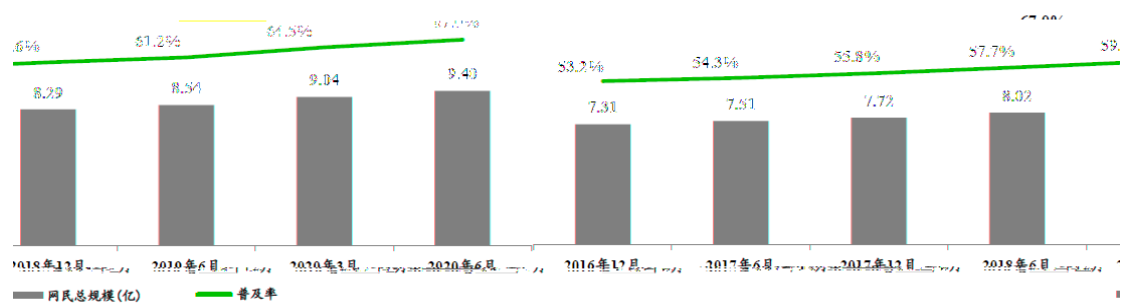
3

4

1

1

FTTH 4G/5G



CNNIC

IPTV

100G/400Gbps

DWDM

5G

A.

B.

100G	40G	25G	10G
Finsar	AAOI	Source	

2

1

2012-2020

2

具 其

1

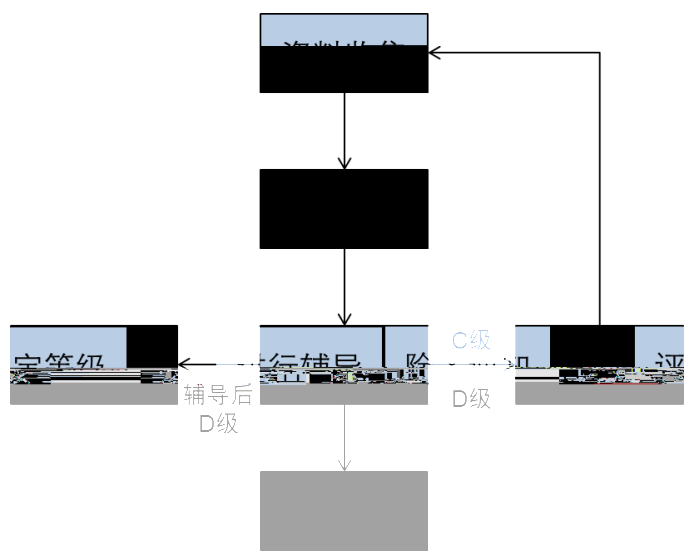
1

A.

B.

D

C



C.

IQC

10G/25G/40G/100G/400G

“

”

A.

B.

C.

/

2

A.

“ ”

B.

C.

2-3

45

D.

“

”

“

1-1-120

”	“	”	“	”	“
		”	“	”	“
”					

3-6

2

1

PCB

PCB

2

不

1

1

2017
Finisar
Lumentum Oclaro 2018 Lumentum Oclaro II-VI
Finisar

		/	
2016.02		Almae	InP
2018.02	Lumentum	Oclaro	InP

2018.04

C. Source Photonics

Source Photonics 2000

D.

E. 002281.SZ

2001

2009 8

2012 12

WTD

F. 000988.SZ

G. 300502.SZ

2008

FTTx LTE

ICT

2

ES

A.

B.

C.

5G

100G/400G

5G

10G/25G/40G/100G/400G

a.

b.

40G

Chip-to-chip

chip-to-board board-to-chip

chip-to-chip

c.

100G/400G

d.

ATS

4

D.

E.

40/100/400G

F.

G.

ISO9001:2015

TL9000 H6.0/R5.5

ISO14001:2015

ISO45001:2018

H.

2

“ ”

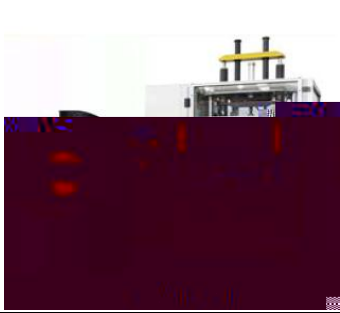
1/5 1/2

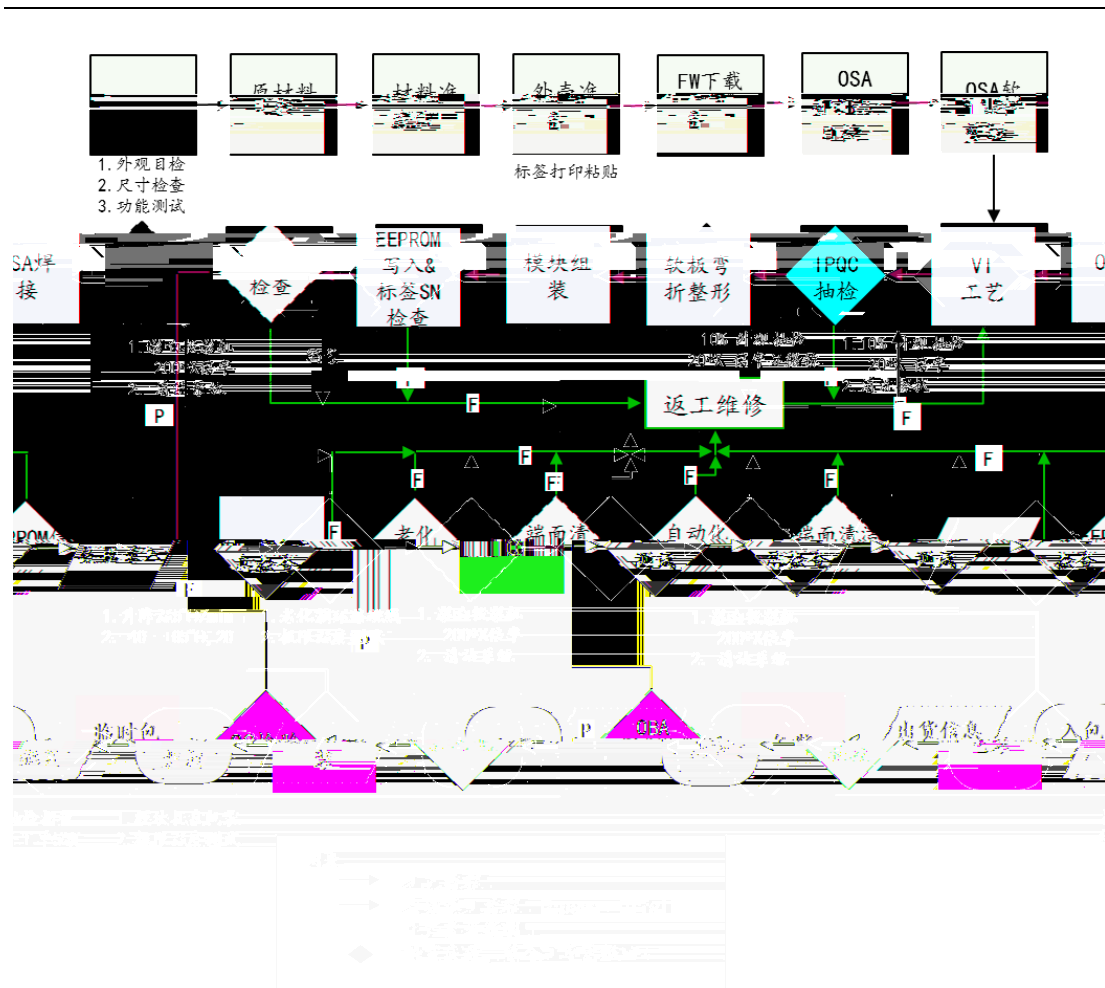
不 其

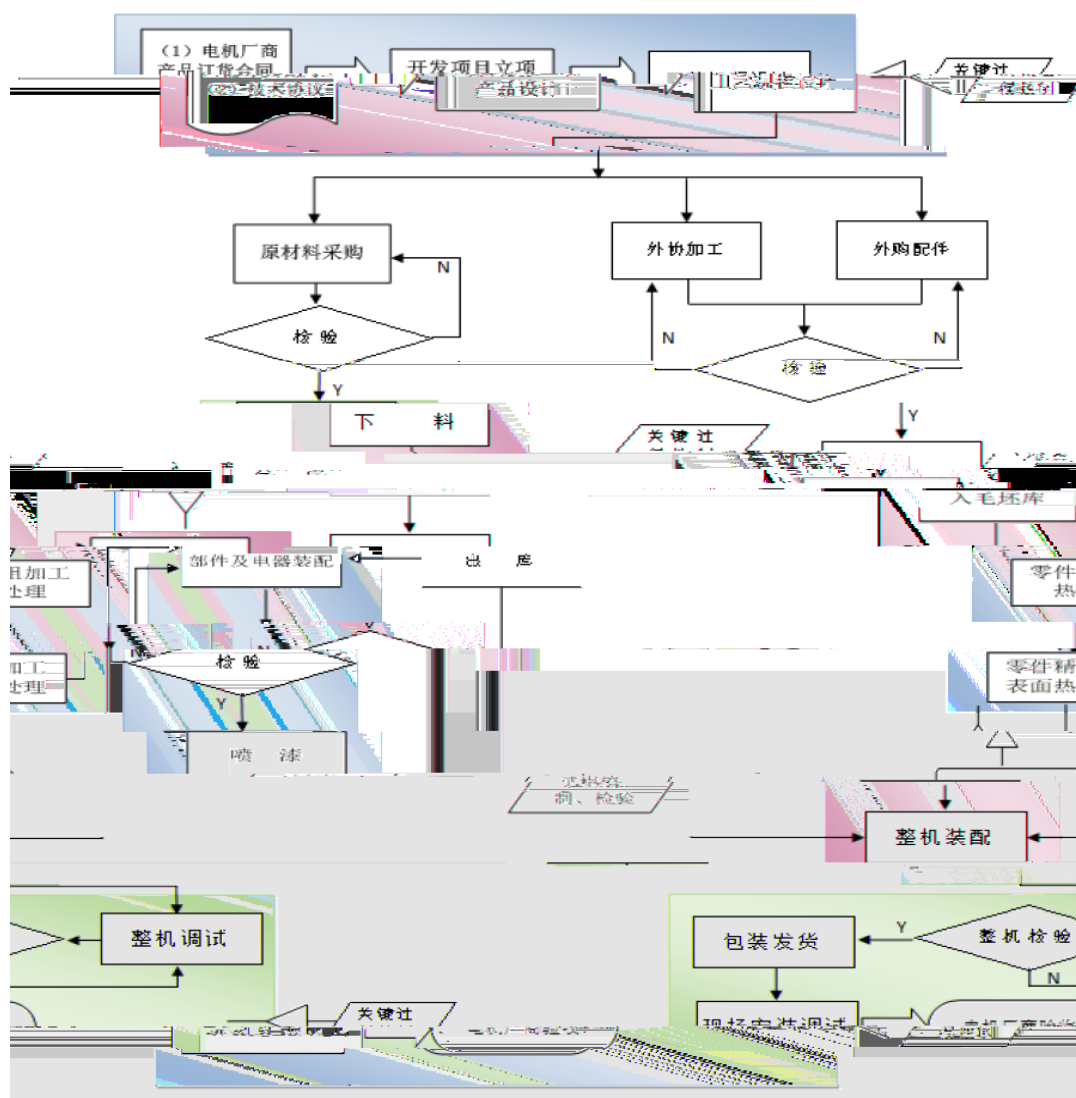
上

1

1	10GSFP+	
2	10GXF	
3	25GSFP28	
4	40GQSFP+	
5	50G PAM4	
6	100GCFP4/QSFP28	
7	100G Single Lambda	

1			
2			
3			
4			





专 其

	2020	1-9	2019		2018		2017	
	520,478.56	100.00%	475,767.70	100.00%	515,631.42	100.00%	235,708.35	100.00%
	515,100.45	98.97%	463,100.25	97.34%	499,773.02	96.92%	220,799.12	93.67%
	5,378.11	1.03%	12,667.46	2.66%	15,858.40	3.08%	14,909.22	6.33%
10G/40G	42,243.91	8.12%	102,983.27	21.65%	124,876.28	24.22%	91,643.15	38.88%
25G/100G/400G	454,333.23	87.29%	360,116.98	75.69%	374,896.74	72.71%	129,155.97	54.79%
	18,523.31	3.56%	-	-	-	-	-	-
	5,378.11	1.03%	12,667.46	2.66%	15,858.40	3.08%	14,909.22	6.33%

2

		2020	1-9	2019	2018	2017
			723	524	514	234
			600	425	450	199
	%		82.99%	81.11%	87.55%	85.04%
			1013	-	-	-
			832	-	-	-
	%		82.13%	-	-	-
			107	172	272	210
			106	170	269	202
	%		99.07%	98.84%	98.90%	96.19%

3

2020	1-9		
	/	/	
600	523		87.17%
832	608		73.08%
106	93		87.74%
2019			
	/	/	
425	462		108.71%
170	186		109.41%
2018			
	/	/	
450	422		93.78%

	269	264	98.14%
2017			
	/	/	
	199	153	76.88%
	202	208	102.97%

4

2020 1-9	A	109,453.83	21.03%
	B	63,663.02	12.23%
	C	58,242.37	11.19%
	D	52,100.11	10.01%
	E	20,899.17	4.02%
		304,358.49	58.48%
2019	A	85,046.43	17.88%
	B	80,979.36	17.02%
	C	51,545.44	10.83%
	D	47,949.93	10.08%
	E	19,940.04	4.19%
		285,461.20	60.00%
2018	A	192,667.59	37.37%
	B	62,904.19	12.20%
	C	53,782.37	10.43%
	D	42,485.45	8.24%
	E	13,914.69	2.70%
		365,754.29	70.94%
2017	A	111,957.99	47.56%
	B	18,113.08	7.69%
	C	15,421.46	6.55%
	D	14,467.84	6.15%
	E	12,133.50	5.15%
		172,093.86	73.10%

5%

其

1

1

2 3

2

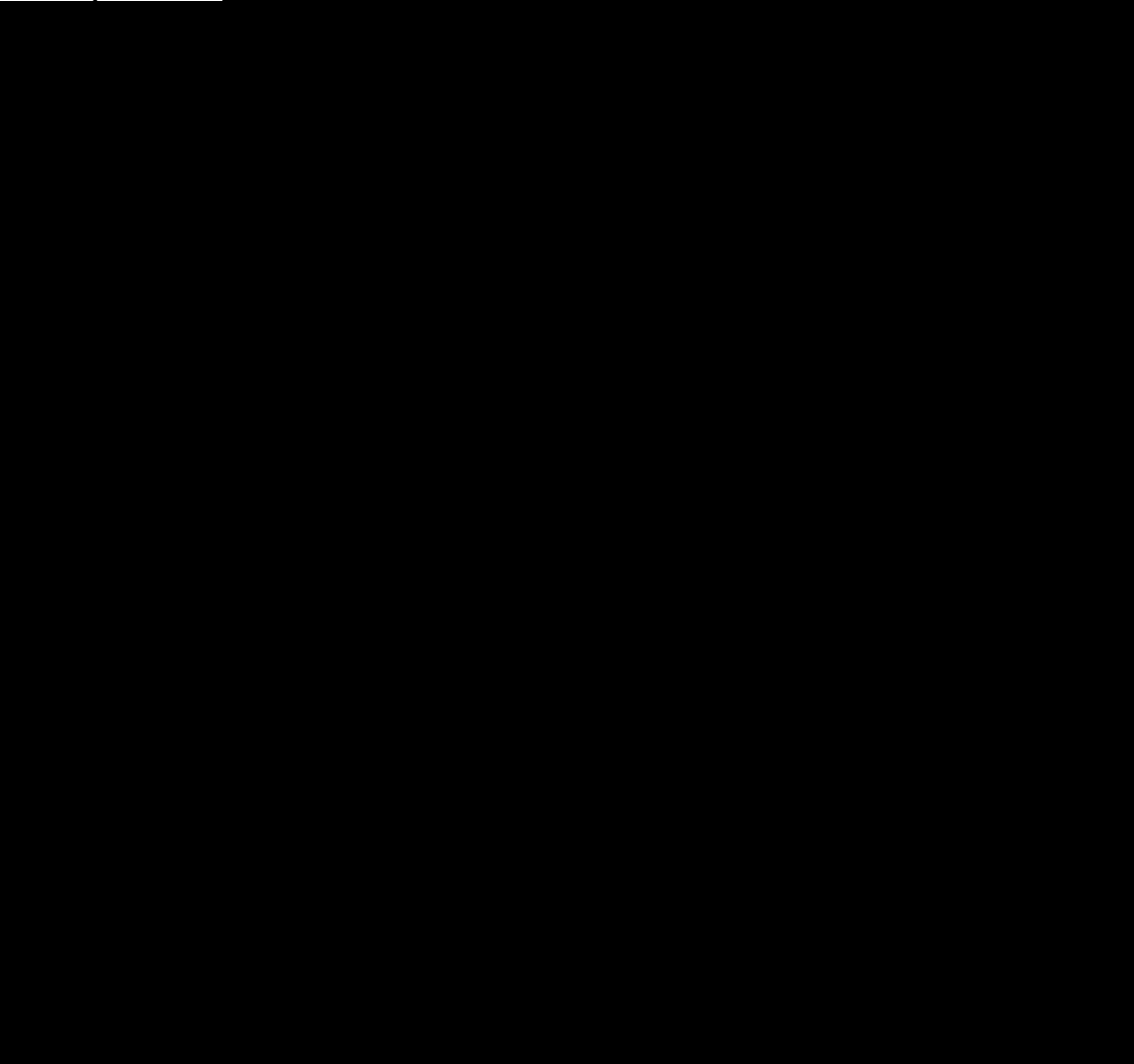
		2020 1-9	2019	2018	2017
		16,271	15,650	11,924	6,317
		216,763	197,488	221,800	152,552
		13.32	12.62	18.60	24.15
		47.64%	55.14%	62.83%	71.15%
		162,551	94,921		

		2020	1-9	2019	2018	2017
			9.62%	9.93%	9.21%	11.17%

3

	2020	1-9	2019	2018	2017
		3,904.80	3,783.92	3,091.49	1,456.54

	2020	1-9	2019	2018	2017
		158.62	204.85	227.03	219.71



2017	

62,942.92 94.43%

	E	19,593.77	4.31%
		176,110.16	38.70%
2019	A	36,802.15	10.09%
	B	26,465.13	7.25%
	C	25,855.57	7.09%
	D	20,648.60	5.66%
	E	19,920.40	5.46%
		129,691.85	35.55%
2018	A	44,917.13	12.72%
	B	39,447.32	11.17%
	C	26,911.09	7.62%
	D	17,838.15	5.05%
	E	15,502.69	4.39%
		144,616.37	40.95%
2017	A	26,974.32	12.58%
	B	26,346.54	12.29%
	C	15,841.52	7.39%
	D	15,169.54	7.08%
	E	12,897.71	6.02%
		97,229.63	45.36%

5%

其

1

	2020 1-9		2019		2018		2017	
	360,244.83	69.21%	345,600.45	72.64%	380,800.32	73.85%	178,450.75	75.71%
	160,233.73	30.79%	130,167.25	27.36%	134,831.10	26.15%	57,257.60	24.29%

2

CE CB

RoHS/WEEE

FDA FCC

UL

3

1

2

4

Finisar Avago Source Photonics Intel Applied Optoelectronics

1 Finisar

Finisar

2 Avago

Avago

3 Source Photonics

Source Photonics 2000

4 Intel

Intel 1968

5 Applied Optoelectronics

Applied Optoelectronics 1997

上 其

	2020 1-9		2019		2018		2017	
		%		%		%		%
	580.27	1.95%	8,336.36	18.70%	3,010.44	8.87%	-	0.00%
	29,224.40	98.05%	36,235.31	81.30%	30,947.28	91.13%	12,930.50	100.00%
	29,804.67	100.00%	44,571.67	100.00%	33,957.72	100.00%	12,930.50	100.00%

	2020 1-9	2019	2018	2017
	29,804.67	44,576.67	33,957.72	12,930.50
	520,478.56	475,767.70	515,631.42	235,708.35
	5.73%	9.37%	6.59%	5.49%

其

1

(COB,chip-on-board)		2011	40G/100G/400G/800G
		2011	40G/100G/400G/800G
	COB	2014 COB	100G/400G/800G
PAM4		2017 4x100GPAM4 400G/800G	400G/800G
		2018 5G 5G	200G/400GPAM4 200G/400G 5G

2

“

” “ ” “ 2 ”

专 其

2020 9 5,470 1,256
22.96%

1			Georgia Institute of Technology Agere System Pine Photonics Communications Opnext 2008
2			ant aCruz UCS 9 Opnext 2003 PinePhotonicsCommunic ations Fusecoupler Freespace PLC CWDM10G/40G
3			2009 40G/100G 400G
4			25 (OSA Fellow) IEEE Sun/Oracle Axalume , 137 2020
5			Georgia Institute of Technology Baird Intel Intel 2008

其
上
1

2020 9 30

	61,604.45	9,713.16	-	51,891.29
	265,603.78	59,917.37	245.83	205,440.59
	2,329.34	1,023.54	0.01	1,305.79
	1,737.03	1,062.66	-	674.37
	6,814.66	2,976.68	-	3,837.98
	338,089.27	74,693.40	245.84	263,150.02

2

2020 9 30

	84.57%		
	83.27%		
	82.09%		
	79.15%		
	74.63%		
	70.26%		
	65.65%		

3

2020 9 30

				m ²		
1		2019 0021360		6,046.65		
2		2020 0049517		56,393.90		
3		2016 000044	8	44,498.69		
4		2018 0000568	5555 1	9,022.96		

				m ²		
5		2018 0000570	5555 1	4,093.76		
6		2018 0000571	5555	4,575.18		
7		2020 0000142	5555 #4	15,041.32		
8		2020 0000143	5555 #5	8,707.49		
9		2020 0000144	5555 #7	368.44		

10 2019
 0017375

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			m ²					
5		2018 0000570					5555 1	
6		2018 0000571					5555	
7		(2020) 0000142					5555 4#	
8		(2020) 0000143					5555 5#	
9		(2020) 0000144					5555 7#	
10		2019 0017375	19,004.29	2037.12.26			8	

2

2020 9 30

238 92

143 3

15

1

1		200610070539X				2006/11/24
2		2009100170340				2009/7/9

3		2009100170177				2009/7/9
4		2009100170073				2009/7/9
5		2009100170181				2009/7/9
6		2009100170069				2009/7/9
7		2009100170158				2009/7/9
8		2011100073032				2011/1/7
9		2011100072788				2011/1/7
10		2011100072701				2011/1/7
11		2011100072881				2011/1/7
12		2011100073282				2011/1/7
13		2011100073263				2011/1/7
14		2011100073155				2011/1/7
15		201210415288X				2012/10/26
16		2012104153100				2012/10/26
17		2013103091224				2013/7/23
18		2014108252551				2014/12/27
19		2013107556381				2013/12/30
20		2012105225854				2012/12/8
21		2013107334386				2013/12/27
22		2012105211300				2012/12/7
23		201410832575X				2014/12/29
24		2014108475066				2014/12/29
25		2014108252570				2014/12/27
26		2013107335497				2013/12/27

27		2014108252585				2014/12/27
28		2014108252602				2014/12/27
29		2012104415955				2012/10/20
30		2014108252566				2014/12/27

31 2011200104816

51		2013204377436				2013/7/23
52		2013204377510				2013/7/23
53		2013204380161				2013/7/23
54		2013208084839				2013/12/7
55		2013208080185				2013/12/7
56		2013208708993				2013/12/27
57		201320869927X				2013/12/27
58		2013208699706				2013/12/27
59		2014208415643				2014/12/27
60		2014208415624	T			2014/12/27
61		2014208415639				2014/12/27
62		2014208415605				2014/12/27
63		2015210943312				2015/12/26
64		2015210943399				2015/12/26
65		2015210943261	V			2015/12/26
66		2015210943280				2015/12/26
67		2015210943331				2015/12/26
68		2015210943384				2015/12/26
69		2015210943308				2015/12/26
70		2015210943295				2015/12/26
71		2015210943327				2015/12/26
72		2015109866428				2015/12/26
73		2016209505716				2016/8/27
74		2016209506297				2016/8/27

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99

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147	2015109396367						
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171		2014201186959				2014/3/17
172		2014201729461				2014/4/11
173		2014201729315				2014/4/11
174		2014201839989				2014/4/16
175		2014203088005				2014/6/11
176		2014203216605				2014/6/17
177		2014203621682				2014/7/2
178		2014203830141				2014/7/11
179		2014204497339				2014/8/11
180		2014206809640				2014/11/14
181		2014208682409				2014/12/31
182		2015201537362				2015/3/18
183		2015208625449	BOSA			2015/11/2
184		2017215506000				2017/11/20
185		2017218072573	SFP+			2017/12/21
186		2018207978057				2018/5/28
187		2018208926793				2018/6/8
188		2018215361167				2018/9/19
189		2018216471056				2018/10/11
190		2018218520822				2018/11/12
191		2019200753108				2019/9/6
192		2019202778881				2019/3/5
193		2019204478345				2019/4/4
194		2019208372814				2019/6/5

195		2020200154053				2019/7/3
196		201921022606X				2019/7/3
197		2019213040537				2019/8/13
198		2019213375456				2019/8/16
199		2019213275373	TO			2019/8/16
200		2019213465293				2019/8/19

201

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219

13		US10578817B2	SUBSTRATE PACKAGING STRUCTURE INCLUDING CONDUCTIVE BLOCKS AND CONDUCTIVE AREAS FORMED ON SUBSTRATES AND OPTICAL MODULE INCLUDING SAME()			2018/1/4
14		US10495832B2	OPTICAL MODULE INCLUDING HEAT SINK ARRANGED IN HOUSING ()			2018/7/2
15		US10455737B2	OPTICAL MODULE()			2018/11/1

3

2019 2 27 SENKO
 ADVANCED COMPONENTS, INC. “ Senko ”
 4 “ CS ”
 2019 2 27 20

1	Senko	US10228521B2	NARROW WIDTH ADAPTERS AND CONNECTORS WITH MODULAR LATCHING ARM		2019/3/12
2	Senko	US10520689B2	RECEIVER DEVICE FOR ACCEPTING NARROW WIDTH CONNECTORS		2019/12/31
3	Senko	US10539748B2	NETWORK SYSTEM OF NARROW WIDTH CONNECTORS AND RECEIVER DEVICES		2020/1/21
4	Senko	US10739533B2	RECEIVER CONFIGURED TO ACCEPT A REMOVABLE ANCHOR DEVICE FOR SECURING A FIBER OPTIC CONNECTOR WITHIN THE RECEIVER		2020/8/11

3

2020

9 30

86

10

1			32713684	39	2029/8/20	;
2			32705934	36	2029/5/13	;;; ;;; ;
3			28476299	7	2028/12/13	;;; ;;; ;
4			28463965	9	2029/3/20	;;; ;;;
5			28463965	7	2029/3/20	;;; ;;; ;
6			28463955	7	2028/12/13	;;; ;;; ;;; ;
7			28463955	9	2028/12/13	;;; ;;; ;;; ;
8			10212055	45	2023/1/20	;;; ;;; ;
9			10211993	43	2023/1/20	;;; ;;; (); ;;; ()
10			10211970	42	2023/1/20	;;; ;;; ;;; ();
11			10211925	41	2023/1/20	;;; ;;; ;;; ;

22			10199328	28	2023/1/20	; ; ; (); ; ; ; (;); ();); ;
23			10199273	27	2023/3/6	
24			10198986	26	2023/1/20	; ; ; ; ; ; ; ; ;
25			10198943	25	2023/1/20	; ();
26			10198918	24	2023/1/20	; ; ; ; ; (); ;
27			10198846	23	2023/1/20	; ; ; ; ; ; ; ;
28			10198818	22	2023/1/20	; (); ; ; ; ; ;
29			10198785	21	2023/1/20	; ; ; ; ; (;); (;); ; ; (;); ; ; ;
30			10198710	20	2023/1/20	; ; ; ; ; (); ; ; ; ;
31			10193834	19	2023/3/13	; ; ; ; ; ; ; ; ; ; ; ;
32			10193798	18	2023/6/6	; ; ; ; ; ; ; () ; ;

43			10185649	7	2023/7/13	(); ; ; ; ; ; (); ; ; ; ; ; ; ; ; ; ; ; ; ; (); ; ; ; ;.....
44			10185625	6	2023/4/6	; ; ; ; ; ; ; ; ; ;); ; ; ; (; ; ; ; ; ; ; ; ;
45			10185482	4	2023/1/13	; ; ; ; ; ; ; ;
46			10178388	5	2023/4/6	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
47			10178355	1	2024/3/6	; ;.....
48			10178337	3	2023/1/13	; ; ; ; ; ; ; ; ;
49			10178301	2	2023/9/13	; ; ;
50			10177490	42	2023 03 06	; ; ; ; ; ; ; ;
51			10177259	41	2023/1/13	; ; ; ;

81			12717637	9	2025/3/27	(; ; ; ; ; ; ; ;
82			8792424	9	2022/2/20	; ; ; ; ; ; ; ; ; ; ;
83			25473792	9	2028/7/20	; ; ; ; ; ; ;
84			17807739	9	2026/10/13	; ; ; ; ; ; ; ;
85			17807733	9	2027/8/13	; ; ; ; ; ; ; ;

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1		-2017-F-00240163	Innovation Lights Our Future -1		2017.11.13
2		-2017-F-00240162	Innovation Lights Our Future -2		2017.11.13
3		-2017-F-00240161	Innovation Lights Our Future -3		2017.11.13
4		-2017-F-00240160	Innovation Lights Our Future -4		2017.11.13
5		-2017-F-00240159	Innovation Lights Our Future -5		2017.11.13
6		-2017-F-00240158	Innovation Lights Our Future -6		2017.11.13

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1		2018SR1088539	V1.0	2018/11/6	

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	3205263623	2011/7/20	3202604255		
	3407260065	2018/8/14	3403300008		

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	3718932652		2017/11/14		
	3718963312		2017/12/27		

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	3700776311009	2017/10/26	
	3700MA3EXKTH3	2018/01/08	
	3400MA2Q3DU66	2020/07/20	
	5101696260942	2018/04/03	

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InnoLight

Technology HK Limited

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206,794,668

36,189,068

458,994,536

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1 2017

2018	5	17	2017	2017
			473,857,056	10
		0.38	18,006,568.13	

2018	7	3	2017
	2018	7	10
		2018	7
			11

2 2018

2019	5	15	2018	2018
			509,833,844	10
		1.23	62,709,562.81	

203,933,537	10	4	713,767,381
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2019	5	28	2018
	2019	6	3
		2019	6
			4

3 2019

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2019

713,165,136	10	0.84
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59,905,871.42			
2019			
2020	6	23	2019
	2020	7	1
	2020	7	2
2			

	2019	2018	2017
	5,990.59	6,270.96	1,800.66
	51,348.72	62,311.60	16,150.54
	11.67%	10.06%	11.15%
	14,062.20		
	43,270.29		
	32.50%		

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	2020 9 30	2019 12 31	2018 12 31	2017 12 31
	1.93	2.12	1.45	1.46
	1.02	1.23	0.71	0.79
	41.83%	33.98%	40.89%	48.71%
	10.88%	8.88%	16.31%	18.31%

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1				100%
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7				98%
8				75%
9				75%

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				GP
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31				

		/		
				GP
32				GP
33				GP
34				GP
35				GP
36				GP
37				GP
38				67%
39			“ 1 2 3 4 5 ”	55%
40			“ 1 2 3 4 5	55% 66%

		/		
			”	
41			***	GP
42			“ 1 2 3 4 5 ” 12 31 2026	GP
43				GP
44				60%
45				100%
46		()		() GP

		/		
47			PUE 1.5 48	80%
48			()	55%
49			PUE 1.4	50%

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1		28.99% 2020 5

2	LuxNet Corporation	HSING HSIEN KUNG
3		2017 2017
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7		100% 5%
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12		12
13		12

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2017 LuxNet Corporation
1,672.83 0.06 0.71%

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2017 2.36
0.001%

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	2020 1-9	2019	2018	2017
	-	-	-	4,551.13
	-	-	-	4,551.13
	-	-	-	1.93%

5% 2016 3

32,419,700 359,858,670.00

45,511,284.48 2017 11

15 2017 11 18 2017 12 20

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	2020 1-9	2019	2018	2017
	722.43	1,139.62	1,129.37	304.57

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		2020 9 30	2019 12 31	2018 12 31	2017 12 31
		-	-	-	0.77

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		2020 9 30	2019 12 31	2018 12 31	2017 12 31
	Lux Net Corporation	-	-	-	361.31
		192.46	192.46	192.46	192.46

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	2020-9-30	2019-12-31	2018-12-31	2017-12-31

	2020-9-30	2019-12-31	2018-12-31	2017-12-31
	136,324.53	123,619.09	104,118.01	95,723.18
	39,300.00	63,000.00	-	-
	-	-	4,037.26	8,807.53
	171,491.13	113,254.22	84,010.67	101,256.58
	56,066.23	36,043.68	-	-
	3,111.69	6,512.46	5,455.11	7,363.51
	2,369.04	972.94	368.21	905.17
	368,668.38	250,362.16	211,897.47	196,899.55
	101.34	318.73	-	-
	8,048.30	5,050.24	5,923.88	19,820.07
	785,480.64	599,133.53	415,810.61	430,775.59
	1,347.88	122.60	419.32	318.73
	19,307.30	22,107.30	10,252.02	2,540.35
	2,258.84			
	263,150.02	194,986.02	149,656.16	116,210.01
	12,218.16	15,060.12	14,809.97	10,948.31
	36,546.96	31,100.18	38,384.68	45,417.78
	2,425.13	9,561.19	3,010.44	-
	191,456.34	171,675.84	171,675.84	171,675.84
	2,285.44	1,765.04	1,605.48	210.97
	2,970.39	2,838.90	1,511.50	2,290.78
	1,979.15	765.90	884.09	613.91
	535,945.61	449,983.08	392,209.49	350,226.68
	1,321,426.26	1,049,116.61	808,020.10	781,002.27
	98,997.16	65,228.64	38,980.16	43,443.64
	68,959.43	17,199.21	14,034.64	27,035.88
	134,962.66	125,947.39	80,158.90	140,361.80
	-	3,065.21	1,690.56	2,204.77
	7,439.18	-	-	-
	13,753.13	11,408.54	7,679.84	7,425.48
	1,240.98	1,161.21	606.21	3,387.47
	44,672.47	30,511.55	37,357.94	36,120.92
	33,962.25	28,086.38	106,243.92	34,618.73
	3,274.27	-	-	113.00
	407,261.52	282,608.13	286,752.17	294,711.69

	2020-9-30	2019-12-31	2018-12-31	2017-12-31
	106,105.34	46,550.00	26,950.61	24,127.64
	2,850.00	2,850.00	3,894.58	3,043.22
	6,838.08	6263.28	4447.10	3994.10
	13,203.71	7,293.48	6,901.73	4,514.02
	16,432.40	10,930.07	1,425.76	1,544.13
	-	-	-	48,481.64
	145,429.54	73,886.83	43,619.77	85,704.75
	552,691.06	356,494.96	330,371.94	380,416.44
	-			
	71,316.51	71,316.51	47,545.58	47,385.71
	510,974.42	506,411.88	369,650.18	355,503.31
	9,078.97	17,370.35	26,891.41	29,056.23
	-517.21	-11.09	45.12	16.40
	219.17	223.50	226.74	175.64
	2,691.74	2,691.74	2,027.56	1,332.26
	183,356.45	129,359.46	85,044.39	25,228.75
	758,962.11	692,621.65	477,648.16	400,585.83
	9,773.08	-	-	-
	768,735.20	692,621.65	477,648.16	400,585.83
	1,321,426.26	1,049,116.61	808,020.10	781,002.27

	2020 1-9	2019	2018	2017
	520,478.56	475,767.70	515,631.42	235,708.35
	520,478.56	475,767.70	515,631.42	235,708.35
	456,949.95	419,322.68	446,241.84	206,730.25
	390,651.87	346,777.51	374,996.92	172,550.88
	1,193.36	1,659.70	1,018.25	644.70
	7,385.66	5,484.01	6,023.31	3,202.23
	25,118.74	27,458.43	25,334.74	11,660.35
	29,224.40	36,235.31	30,947.28	12,930.50
	3,375.93	1,707.72	7,921.35	3,712.65
	5,003.93	5,016.39	5,025.23	1,838.61
	715.24	1,813.23	574.74	306.62
	8,444.34	8,472.27	3,316.38	1,610.95

	2020 1-9	2019	2018	2017
“ ”	1,295.22	6,758.15	664.82	1,099.09
	-	5,393.34	506.67	332.39
“ ”	-	-	1,420.69	-10,924.41
“ ”	-3,327.87	-14,165.83	-6,601.78	-2,028.95
“ ”	-1.33	141.09	-	-
“ ”	5.83	-13.17	-0.25	-176.73
“ ”	69,944.79	57,637.53	68,189.45	20,587.00
	73.95	50.21	307.83	41.44
	237.05	20.06	-997.97	39.16
“ ”	69,781.69	57,667.68	69,495.25	20,589.28
	9,353.02	6,318.96	7,183.65	4,438.74
“ ”	60,428.67	51,348.72	62,311.60	16,150.54
	-			
1 “ ”	60,428.67	51,348.72	62,311.60	16,150.54
2 “ ”	-	-	-	-
1	59,987.58	51,348.72	62,311.60	16,150.54
2	441.09	-	-	-
	-506.12	-56.21	28.72	16.40
	-506.12	-56.21	28.72	16.40
	-	-	-	-
	-506.12	-56.21	28.72	16.40
	-506.12	-56.21	28.72	16.40
	59,922.55	51,292.51	62,340.32	16,166.94
	59,922.55	51,292.51	62,340.32	16,166.94
	-	-	-	-
	0.84	0.73	1.36	0.50

	2020 1-9	2019	2018	2017
	0.84	0.73	1.33	0.50

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	2020 1-9	2019	2018	2017
	556,383.06	463,617.85	548,593.02	226,504.02
	47,784.41	37,151.97	66,637.48	24,802.46
	16,563.97	19,840.02	13,639.65	7,240.92
	620,731.45	520,609.85	628,870.16	258,547.39
	555,348.61	391,983.78	486,291.20	219,304.94
	51,501.67	53,693.63	50,647.63	12,221.56
	9,638.25	2,184.48	10,069.92	7,484.74
	17,878.02	15,802.19	15,860.06	15,300.44
	634,366.56	463,664.08	562,868.80	254,311.68
	-13,635.11	56,945.77	66,001.35	4,235.71
	359,540.00	333,810.00	-	2,313.05
	1,244.09	1,069.45	158.16	368.65
	9.27	82.08	512.53	154.72
	-	-	-	-
	-	-	15,000.00	47,506.39
	360,793.36	334,961.53	15,670.68	50,342.82
	69,326.44	75,930.64	60,773.50	42,077.83
	340,234.31	403,770.00	7,205.00	-
	11,077.19	-	-	-
	-	49,197.91	15,000.00	23,000.00
	420,637.94	528,898.55	82,978.50	65,077.83
	-59,844.58	-193,937.01	-67,307.81	-14,735.01
	-	152,390.90	5,204.52	75,956.22
	-	-	-	-

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2018 2019 其 图

2018

			/	
	2020 1-9	8.31%	0.84	0.84
	2019	8.29%	0.73	0.73
	2018	14.32%	1.36	1.33
	2017	7.96%	0.50	0.50
	2020 1-9	7.21%	0.73	0.73
	2019	6.94%	0.61	0.61
	2018	13.56%	1.28	1.26
	2017	13.05%	0.82	0.82

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	2020-9-30	2019-12-31	2018-12-31	2017-12-31
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55.16% 51.46% 57.11% 59.44%

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	2020-9-30		2019-12-31		2018-12-31		2017-12-31	
		%		%		%		%
	136,324.53	17.36	123,619.09	20.63	104,118.01	25.04	95,723.18	22.22
	39,300.00	5.00	63,000.00	10.52	0	0.00	0	0.00
	-	-	-	-	4,037.26	0.97	8,807.53	2.04
	171,491.13	21.83	113,254.22	18.90	84,010.67	20.20	101,256.58	23.51
	56,066.23	7.14	36,043.68	6.02	0	0.00	0	0.00
	3,111.69	0.40	6,512.46	1.09	5,455.11	1.31	7,363.51	1.71
	2,369.04	0.30	972.94	0.16	368.21	0.09	905.17	0.21
	368,668.38	46.94	250,362.16	41.79	211,897.47	50.96	196,899.55	45.71
	101.34	0.01	318.73	0.05	0	0.00	0	0.00
	8,048.30	1.02	5,050.24	0.84	5,923.88	1.42	19,820.07	4.60
	785,480.64	100.00	599,133.53	100.00	415,810.61	100.00	430,775.59	100.00

91.44% 96.20% 81.32% 86.12%

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	2020-9-30	2019-12-31	2018-12-31	2017-12-31
	10.19	30.35	6.55	6.56
	123,999.64	123,588.74	104,111.46	90,240.16
	12,314.71	-	-	5,476.46

2020-9-30

	2020-9-30	2019-12-31	2018-12-31	2017-12-31
	171,491.13	113,254.22	84,010.67	101,256.58
	51.42%	34.81%	-17.03%	-
	2020 1-9	2019	2018	2017
	520,478.56	475,767.70	515,631.42	235,708.35

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2017

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2017

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	2020-9-30		2019-12-31		2018-12-31		2017-12-31	
	1,347.88	0.25%	122.60	0.03%	419.32	0.11%	318.73	0.09%

2020 1 3

2020 5 13

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	2020-9-30		2019-12-31		2018-12-31		2017-12-31	
		%		%		%		%
	51,891.29	19.72	45,922.10	23.55	35,528.56	23.74	35,024.90	30.14
	205,440.59	78.07	143,993.15	73.85	109,883.93	73.42	77,713.11	66.87
	674.37	0.26	782.18	0.40	957.80	0.64	200.91	0.17
	1,305.79	0.50	1,222.57	0.63	446.60	0.30	313.52	0.27
	3,837.98	1.46	3,066.01	1.57	2,839.26	1.90	2,957.56	2.55
	263,150.02	100.00	194,986.02	100.00	149,656.16	100.00	116,210.01	100.00

116,210.01 149,656.16

194,986.02 263,150.02 33.18%

38.16% 43.33% 49.10% 2020 9

97.01% 97.16% 97.40% 97.79%

2017 12 31	38,124.81	96,967.06	658.94	409.82	4,682.69	140,843.32
	2,279.27	43,806.07	928.44	274.06	359.47	47,647.32
	-	2,005.48	-	-	28.06	2,033.54
2018 12 31	40,404.08	138,767.66	1,587.38	683.88	5,014.10	186,457.10
	12,540.96	48,403.66	47.89	1,151.25	595.74	62,739.50

	-	174.60	-	-	3.15	177.75
2019 12 31	52,945.04	186,996.72	1,635.27	1,835.13	5,606.69	249,018.84
	8,711.31	78,903.35	102.04	497.05	1,306.62	89,520.36
	51.89	296.28	0.28	2.84	98.65	449.94
2020 9 30	61,604.45	265,603.78	1,737.03	2,329.34	6,814.66	338,089.27

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10,948.31 14,809.97

15,060.12 12,218.16 3.13% 3.78%

3.35% 2.28%

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	2020-9-30	2019-12-31	2018-12-31	2017-12-31
	70,038.01	58,724.85	56,489.16	56,414.74

	2020-9-30	2019-12-31	2018-12-31	2017-12-31
	10,011.47	9,378.93	9,378.93	9,587.95
	47,407.67	45,156.20	45,156.20	45,156.20
	9,654.31	1,790.33	4.72	4.72
	2,964.56	2,399.39	1,949.32	1,665.87
	30,851.72	24,985.33	18,104.48	10,996.96
	1,134.06	918.80	716.19	505.07
	26,304.17	22,390.18	16,344.85	9,824.08
	1,697.70	249.91	2.08	1.61
	1,715.79	1,426.44	1,041.37	666.20
	2,639.33	2,639.33	-	-
	-	-	-	-
	2,639.33	2,639.33	-	-
	-	-	-	-
	-	-	-	-
	36,546.96	31,100.18	38,384.68	45,417.78
	8,877.41	8,460.13	8,662.74	9,082.89
	18,464.18	20,126.69	28,811.35	35,332.12
	7,956.61	1,540.42	2.63	3.11
	1,248.76	972.94	907.95	999.67

45,417.78 38,384.68
12.97% 9.79%

31,100.18 36,546.96
6.91% 6.82%

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2018 2019 2020 9
9,561.19 2,425.13
0.45% 2018 2019
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3,010.44
7% 2018 2019 2020
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2020-9-30

2019-12-31

	2020-9-30	2019-12-31	2018-12-31	2017-12-31
	262.10	19.75	-	-
	15.85	4.30	1.95	40.85
	14,334.70	10,752.12	10,217.19	6,728.30
	-	-	25.07	25.07
	-	498.06	-	-
	245.84	75.98	-	-
	2,639.33	2,639.33	-	-
	-	-	-	-
	19,439.33	15,022.60	11,324.49	7,696.24

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2020
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	2020-9-30		2019-12-31		2018-12-31		2017-12-31	
	98,997.16	17.91%	65,228.64	18.30%	38,980.16	11.80%	43,443.64	11.42%
	68,959.43	12.48%	17,199.21	4.82%	14,034.64	4.25%	27,035.88	7.11%
	134,962.66	24.42%	125,947.39	35.33%	80,158.90	24.26%	140,361.80	36.90%
	-	-	3,065.21	0.86%	1,690.56	0.51%	2,204.77	0.58%
	7,439.18	1.35%	-	-	-	-	-	-
	13,753.13	2.49%	11,408.54	3.20%	7,679.84	2.32%	7,425.48	1.95%
	1,240.98	0.22%	1,161.21	0.33%	606.21	0.18%	3,387.47	0.89%
	44,672.47	8.08%	30,511.55	8.56%	37,357.94	11.31%	36,120.92	9.50%
	33,962.25	6.14%	28,086.38	7.88%	106,243.92	32.16%	34,618.73	9.10%
	3,274.27	0.59%	-	-	-	-	113.00	0.03%
	407,261.52	73.69%	282,608.13	79.27%	286,752.17	86.80%	294,711.69	77.47%
	106,105.34	19.20%	46,550.00	13.06%	26,950.61	8.16%	24,127.64	6.34%
	2,850.00	0.52%	2,850.00	0.80%	3,894.58	1.18%	3,043.22	0.80%
	6,838.08	0.01	6,263.28	1.76%	4,447.10	1.35%	3,994.10	1.05%
	13,203.71	2.39%	7,293.48	2.05%	6,901.73	2.09%	4,514.02	1.19%
	16,432.40	2.97%	10,930.07	3.07%	1,425.76	0.43%	1,544.13	0.41%
	-		-	-	-	-	48,481.64	12.74%
	145,429.54	26.31%	73,886.83	20.73%	43,619.77	13.20%	85,704.75	22.53%

2020 9

55.03%

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	2020-9-30		2019-12-31		2018-12-31		2017-12-31	
	98,997.16	24.31%	65,228.64	23.08%	38,980.16	13.59%	43,443.64	14.74%
	68,959.43	16.93%	17,199.21	6.09%	14,034.64	4.89%	27,035.88	9.17%

1-1-212

	2020-9-30		2019-12-31		2018-12-31		2017-12-31	
	134,962.66	33.14%	125,947.39	44.57%	80,158.90	27.95%	140,361.80	47.63%
	-	-	3,065.21	1.08%	1,690.56	0.59%	2,204.77	0.75%
	7,439.18	1.83%	-		-		-	
	13,753.13	3.38%	11,408.54	4.04%	7,679.84	2.68%	7,425.48	2.52%
	1,240.98	0.30%	1,161.21	0.41%	606.21	0.21%	3,387.47	1.15%
	44,672.47	10.97%	30,511.55	10.80%	37,357.94	13.03%	36,120.92	12.26%
	33,962.25	8.34%	28,086.38	9.94%	106,243.92	37.05%	34,618.73	11.75%
	3,274.27	0.80%	-		-		113.00	0.04%
	407,261.52	100.00%	282,608.13	100.00%	286,752.17	100.00%	294,711.69	100.00%

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43,443.64 38,980.16
65,228.64 98,997.16 14.74% 13.59%
23.08% 24.31% 2020 9

2

27,035.88 14,034.64
17,199.21 68,959.43 9.17% 4.89%
6.09% 16.93%

	2020-9-30	2019-12-31	2018-12-31	2017-12-31
	68,959.43	17,199.21	14,034.64	27,035.88
	68,959.43	17,199.21	14,034.64	27,035.88

2020 9

2020

3

140,361.80 80,158.90
125,947.39 134,962.66 47.63%
27.95% 44.57% 33.14%

4									
	2017		2018		2019				2,204.77
	1,690.56		3,065.21				0.75%	0.59%	
1.08%	2020	9							
					2018			2017	
				2017	7	5			<
		14	—	>		[2017]22	2020	4	22
2020	1	1							
			2020	9					
5									
	2017		2019				“	4	”
2020	9				7,439.18				
6									

	2020-9-30	2019-12-31	2018-12-31	2017-12-31
	13,062.47	11,312.65	7,675.34	7,419.01
-	690.66	95.89	4.50	6.48
	13,753.13			

	2020-9-30	2019-12-31	2018-12-31	2017-12-31
	68.96	224.43	248.31	111.02
	686.87	575.11	129.45	3,023.09
	233.95	93.06	34.79	88.51
	4.01	16.25	18.93	19.67
	135.93	146.38	123.86	86.83
	48.94	43.28	14.25	19.57
	50.38	41.12	21.46	23.33
	11.96	21.58	15.15	15.45
	1,240.98	1,161.21	606.21	3,387.47

	2020-9-30	2019-12-31	2018-12-31	2017-12-31
	23,016.63	1,915.14	1,518.50	985.85
	44,386.44	30,447.15	37,021.90	36,083.42

2017 2018 2017 2020 9

36,083.42	37,021.90	30,447.15	44,672.47
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12.24% 12.91% 10.77% 10.97%

2020

9 - 67.19%

9

34,618.73

106,243.92	28,086.38	33,962.25
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11.75% 37.05% 9.94% 8.34%

	2020-9-30	2019-12-31	2018-12-31	2017-12-31
	33,962.25	26,950.61	54,846.63	31,656.53
	-	1,135.77	2,199.39	2,962.20
	-	-	49,197.91	-
	33,962.25	28,086.38	106,243.92	34,618.73

2018 2017 7 3

2019

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	2020-9-30		2019-12-31		2018-12-31		2017-12-31	

	106,105.34	72.96%	46,550.00	63.00%	26,950.61	61.79%	24,127.64	28.15%
	2,850.00	1.96%	2,850.00	3.86%	3,894.58	8.93%	3,043.22	3.55%
	6,838.08	4.70%	6,263.28	8.48%	4,447.10	10.20%	3,994.10	4.66%
	13,203.71	9.08%	7,293.48	9.87%	6,901.73	15.82%	4,514.02	5.27%
	16,432.40	11.30%	10,930.07	14.79%	1,425.76	3.27%	1,544.13	1.80%
	-	-	-	-	-	-	48,481.64	56.57%
	145,429.54	100.00%	73,886.83	100.00%	43,619.77	100.00%	85,704.75	100%

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	2020-9-30	2019-12-31	2018-12-31	2017-12-31
/	-	-	6,490.61	17,969.32
	60,096.30	26,550.00	-	-
	46,009.04	20,000.00	20,460.00	6,158.32
	106,105.34	46,550.00	26,950.61	24,127.64

2020 9

2

	2020-9-30	2019-12-31	2018-12-31	2017-12-31
	-	1,135.77	3,243.96	5,225.19
	2,850.00	2,850.00	2,850.00	-
	-	-	-	780.23
	-	1,135.77	2,199.39	2,962.20
	2,850.00	2,850.00	3,894.58	3,043.22

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2019 2020 9 6,263.28
6,838.08 8.48% 4.70%

	2020-9-30	2019-12-31	2018-12-31	2017-12-31
	6,838.08	6,263.28	4,447.10	2,936.31
	-	-	-	1,057.79
	6,838.08	6,263.28	4,447.10	3,994.10

24

2017 12 31

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2019 2020 9 7,293.48
13,203.71 9.87% 9.08%

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	2020-9-30	2019-12-31	2018-12-31	2017-12-31
	16,432.40	10,930.07	1,425.76	1,544.13

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2017 2 20 18
2016 2017 2018
1.73
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2017

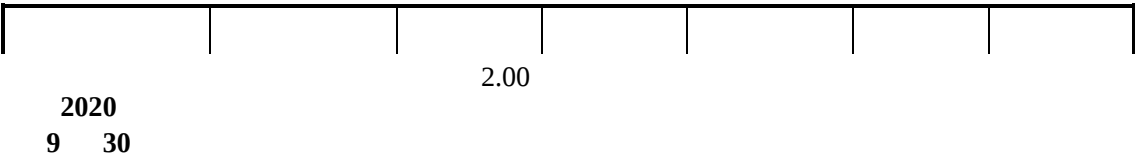
2019 12 31

2019

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	2020-9-30	2019-12-31	2018-12-31	2017-12-31
	1.93	2.12	1.45	1.46
	1.02	1.23	0.71	0.79
	41.83%	33.98%	40.89%	48.71%
	10.88%	8.88%	16.31%	18.31%

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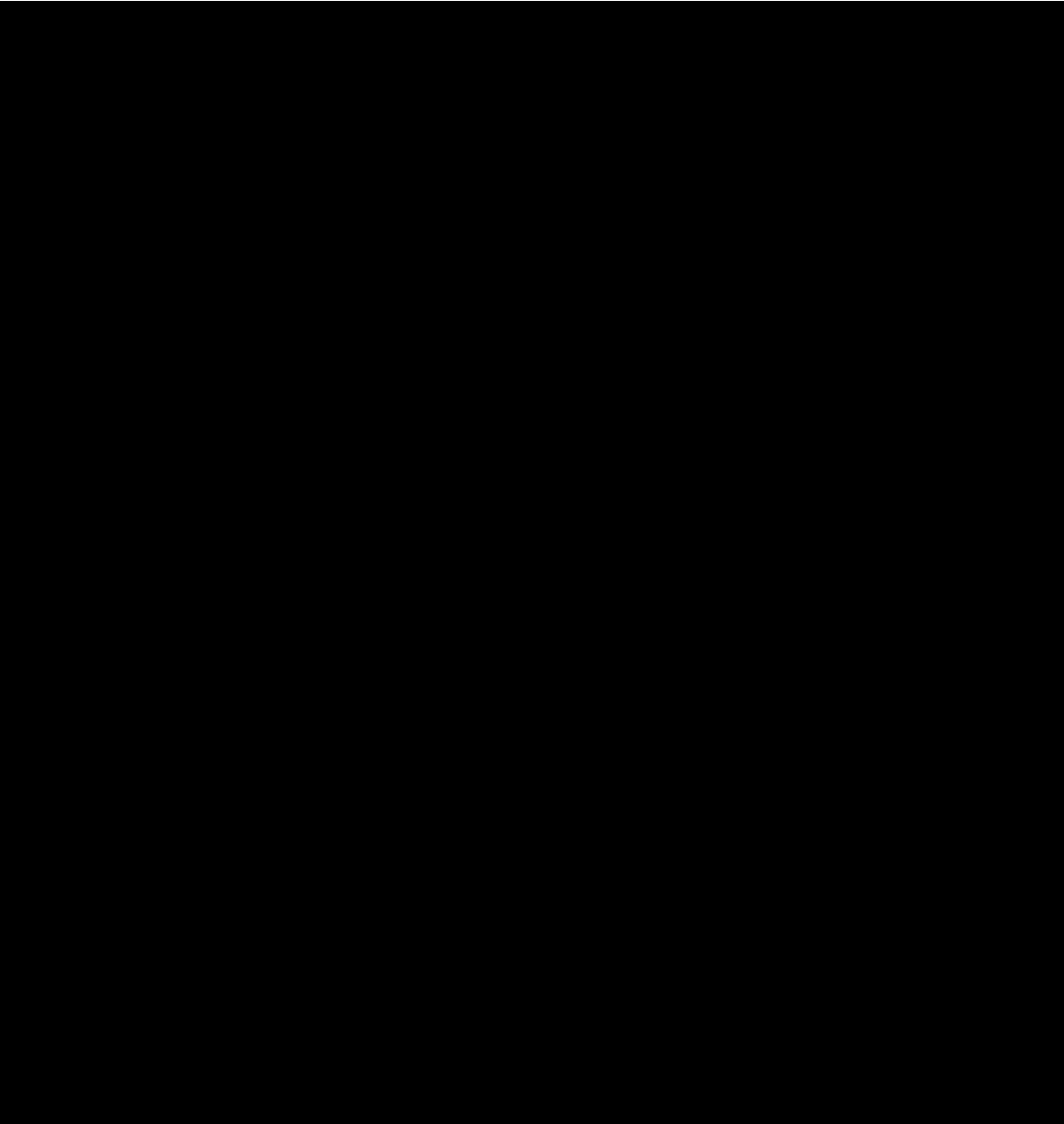
		43.32%	33.86%	17.67%	31.61%	40.89%
2017 12 31		2.23	2.12	3.27	2.54	1.46
		1.54	1.78	1.88	1.73	0.79
		38.60%	37.98%	22.44%	33.01%	48.71%

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	2020-9-30	2019-12-31	2018-12-31	2017-12-31
	1.61	1.44	1.76	1.64



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	2020 1-9		2019		2018		2017	
	128,461.93	96.45%	126,397.48	97.99%	135,973.97	96.69%	57,856.20	91.61%
	1,364.77	1.05%	2,592.71	2.01%	4,660.54	3.31%	5,301.26	8.39%
	129,826.69	100.00%	128,990.19	100.00%	140,634.51	100.00%	63,157.46	100.00%

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2017 7-12

2017

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2020 1-9

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	2020	1-9	2019		2018		2017
	520,478.56	9.40%	475,767.70	-7.73%	515,631.42	118.76%	235,708.35

	456,949.95	8.97%	419,322.68	-6.03%	446,241.84	115.86%	206,730.25
	390,651.87	12.65%	346,777.51	-7.53%	374,996.92	117.33%	172,550.88
	1,193.36	-28.10%	1,659.70	63.00%	1,018.25	57.94%	644.70
	7,385.66	34.68%	5,484.01	-8.95%	6,023.31	88.10%	3,202.23
	25,118.74	-8.52%	27,458.43	8.38%	25,334.74	117.27%	11,660.35
	29,224.40	-19.35%	36,235.31	17.09%	30,947.28	139.34%	12,930.50
	3,375.93	97.69%	1,707.72	-78.44%	7,921.35	113.36%	3,712.65
	8,444.34	-0.33%	8,472.27	155.47%	3,316.38	105.86%	1,610.95

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	2020 1-9		2019		2018		2017	
		%		%		%		%
	160,233.73	30.79	130,167.25	27.36	134,831.10	26.15	57,257.60	24.29
	360,244.83	69.21	345,600.45	72.64	380,800.32	73.85	178,450.75	75.71
	520,478.56	100.00	475,767.70	100.00	515,631.42	100.00	235,708.35	100.00

2017 7
2017 7-12

2017

24.29% 26.15%

27.36% 30.08%

75.71% 73.85% 72.64%

69.92%

2017-2019 2020 1-9

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				/		/	
2020 1-9		515,100.45	11.23%	523	13.20%	0.09	-5.28%
		5,378.11	-57.54%	93	-50.00%	57.83	-15.09%
2019		463,100.25	-7.34%	462	9.48%	0.10	-15.36%
		12,667.46	-20.12%	186	-29.55%	68.10	13.38%
2018		499,773.02	126.35%	422	175.82%	0.12	-17.94%
		15,858.40	6.37%	264	26.92%	60.07	-16.20%
2017		220,799.12	-	153	-	0.14	-

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2017-2020 1-9

	2020 1-9	2019	2018	2017
	523	462	422	153
	61,145.27	47,371.85	388,202.37	-
/	0.09	0.10	0.12	0.14

2017-2019	2020	1-9		
14,909.22	15,858.40	12,667.46	5,378.11	
2018			2017	949.18
				4,014.02
2019			2018	3,190.94
	2020	1-9	2019	7,289.35

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1 2017-2019 2020 1-9

	2020	1-9	2019		2018		2017	
	310,930.96	80.42%	267,357.52	79.40%	304,643.00	83.74%	134,807.89	82.73%
	32,950.03	8.52%	31,089.58	9.23%	31,025.61	8.53%	13,317.98	8.17%
	42,757.54	11.06%	38,255.67	11.36%	28,130.45	7.73%	14,817.06	9.09%
	386,638.52	100.00%	336,702.76	100.00%	363,799.05	100.00%	162,942.92	100.00%

2017 7
2017 7-12

2017

2017-2019

2020 1-9 82.73% 83.74% 79.40% 80.42%
8.17% 8.53% 9.23% 8.52% 9.09%
7.73% 11.36% 11.06%

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	2020	1-9	2019		2018		2017	
	1,931.90	48.14%	5,031.00	49.94%	6,405.06	57.20%	4,304.91	45.66%
	591.28	14.73%	1,545.49	15.34%	1,703.07	15.21%	1,705.36	18.09%
	1,490.15	37.13%	3,498.26	34.72%	3,089.73	27.59%	3,417.90	36.25%

	4,013.34	100.00%	10,074.75	100.00%	11,197.86	100.00%	9,428.16	100.00%
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2017-2019

2020

1-9

45.66%

57.20%

49.94%

48.14%

18.09%

15.21%

15.34%

14.73%

36.25%

27.59%

34.72%

37.13%

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	2020	1-9	2019	2018	2017
		25.22%	27.29%	27.21%	26.20%
		17.50%	-	-	-
		25.38%	20.47%	29.39%	35.56%
		24.94%	27.11%	27.27%	26.79%

2017

-2019

2020

1-9

26.79%

27.27%

27.11%

24.94%

2020

1-9

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2017-2019

2020

1-9

26.20%

27.21%

27.29%

25.22%

	2020	1-9	2019	2018	2017
/		0.09	0.10	0.12	0.14
		-4.05%	-13.21%	-16.13%	-
/		0.07	0.07	0.09	0.11
		1.97%	13.30%	17.13%	-
		-2.08%	0.09%	1.00%	-

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2017-2019

2018

			-16.13%		17.13%
2019			-13.47%		
13.30%	2020	1-9		-4.05%	
			1.97%		

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17.50%

3

2017-2019	2020	1-9	
35.56%	29.39%	20.47%	25.38%

	2020	1-9	2019	2018	2017
/	57.83		68.10	60.07	71.68
	-14.13%		8.33%	-12.46%	-
/	43.15		54.17	42.42	46.19
	19.04%		-17.25%	6.29%	-
	4.91%		-8.93%	-6.17%	-

2018			2017	35.56%	29.39%
2018					
-12.46%	2018				
6.29%	2019		20.47%		
8.33%				-17.25%	2020
					1-9
			-14.13%		19.04%

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2017-2020 1-9

	2020	1-9	2019	2018	2017
		23.29%	21.19%	19.82%	20.83%
		24.41%	25.27%	24.58%	25.42%
		38.04%	34.72%	19.51%	24.00%
		28.58%	27.06%	21.31%	23.42%
		25.22%	27.29%	27.21%	26.20%

	2020	1-9	2019		2018		2017	
		%		%		%		%
	7,385.66	1.42	5,484.01	1.15	6,023.31	1.17	3,202.23	1.36
	25,118.74	4.83	27,458.43	5.77	25,334.74	4.91	11,660.35	4.95
	29,224.40	5.61	36,235.31	7.62	30,947.28	6.00	12,930.50	5.49
	3,375.93	0.65	1,707.72	0.36	7,921.35	1.54	3,712.65	1.58
	65,104.73	12.51	70,885.47	14.90	70,226.68	13.62	31,505.72	13.37
	520,478.56	100.00	475,767.7	100.00	515,631.42	100.00	235,708.35	100.00

2017-2019 2020 1-9 31,505.72

70,226.68 70,885.47 65,104.73

13.37% 13.62% 14.90% 12.51%

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	2020 1-9	2019	2018	2017
	3,134.61	2,506.76	2,663.07	1,023.73
	186.86	602.37	334.28	150.80
	329.59	499.74	1,024.93	313.00
	612.33	495.83	356.19	145.14
	138.03	288.97	282.01	106.25
	82.50	175.89	176.51	95.42
	207.51	93.79	46.12	71.93
	65.95	57.27	75.28	61.26
	38.91	108.75	48.87	8.30
	2,589.37	654.64	1,016.03	1,226.38
	7,385.66	5,484.01	6,023.31	3,202.23

2017 7

2017 7-12

2017 -2019 2020 1-9 3,202.23 6,023.31
5,484.01 7,385.66 1.36% 1.17%
1.15% 1.42%

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	2020 1-9	2019	2018	2017
	5,663.19	7,851.95	7,197.51	4,445.27
	6,271.59	6,640.03	4,531.96	1,988.32
	2,999.80	3,243.89	3,989.51	535.56
	2,722.24	2,685.48	2,697.55	767.39
	1,203.11	1,613.29	3,111.62	1,661.05
	2,163.40	1,166.60	855.36	342.13
	513.06	739.17	540.28	158.05
	247.15	308.74	265.05	178.52
	3,335.2	3,209.3	2,145.9	1,584.1
	25,118.74	27,458.43	25,334.74	11,660.35

2017 7

2017 7-12

11,660.35	25,334.74	27,458.43	25,118.74
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	2020 1-9	2019	2018	2017
	5,003.93	5,016.39	5,025.23	1,838.61
	715.24	1,813.23	574.74	306.62
()/	-1,261.79	-1,922.46	753.92	664.61
	-	-	2,136.96	1,136.24
	349.03	427.02	579.98	379.80
	3,375.93	1,707.72	7,921.35	3,712.65

2017 7

2017 7-12

2017 -2019 2020 1-9 3,712.65
7,921.35 1,707.72 3,375.93 1.58%
1.54% 0.36% 0.65%

2018 7,921.35

2019

1,707.72

2019

2019

	2020 1-9	2019	2018	2017
	931.70	3,150.24	580.62	665.68
-	3,915.78	2,332.40	430.08	335.60
	1,520.00	2,000.00	1,664.40	-
-	1,056.40	723.28	231.38	-
	1,020.46	266.35	409.90	609.67
	8,444.34	8,472.27	3,316.38	1,610.95

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	2020 1-9	2019	2018	2017
	-	5,612.24	506.67	332.39
	1,295.22	1,364.81	158.16	275.80
	-	-218.90	-	-
	-	-	-	451.65
	-	-	-	39.25
	1,295.22	6,758.15	664.82	1,099.09

1,099.09 664.82 6,758.15
1,295.22 2019 2017 2018
5,250.94
2020 1-9 0

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2017 2018 -10,924.41 1,420.69
2019 2020 1-9 2017
10,924.41 2017 2 18
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	2020 1-9	2019	2018	2017
	5.83	-13.17	-10.75	-176.73

	2020 1-9	2019	2018	2017
	8,444.34	8,472.27	3,316.38	1,610.95
	1,295.22	1,364.81	158.16	275.80
	-	-	-	-129.45
	-	-	-	18.80
	-	-	-	451.65
	-163.10	30.15	1,316.30	2.29
	-	-	-716.26	-12,060.65
	1,517.82	1,455.49	755.45	308.00
	107.95	-	-	-
	7,956.51	8,398.57	3,308.38	-10,315.34

2017-201920201-9

-10,315.343,308.388,398.577,956.512017

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1,136.242017

10,924.41

20171228

10G/25G/40G/100G/400G

100G/400G

	2020 1-9	2019	2018	2017
	620,731.45	520,609.85	628,870.16	258,547.39
	634,366.56	463,664.08	562,868.80	254,311.68
	-13,635.11	56,945.77	66,001.35	4,235.71
	360,793.36	334,961.53	15,670.68	50,342.82
	420,637.94	528,898.55	82,978.50	65,077.83
	-59,844.58	-193,937.01	-67,307.81	-14,735.01
	218,571.85	308,875.15	190,321.30	176,580.76
	132,804.05	153,160.32	176,623.41	78,518.35
	85,767.80	155,714.83	13,697.89	98,062.41
	-1,743.61	777.50	1,479.86	-672.51
	10,544.49	19,501.09	13,871.28	86,890.61

上

2017	2019	2020	1-9		
4,235.71	66,001.35	56,945.77	-13,635.11		
16,150.54	62,311.60	51,348.72	60,428.67	2017	
				2017	

		100%	2017	7			
					2017	2020	9
2017						72,758.90	
				-33,478.83			
						-12,185.16	
	-10,924.41					-4,155.67	
2018				2018	2019		
			2020	1-9			
	-13,635.11						
							2019
	163,364.83						
						761,768.39	
1,097,592.82							

		/		
3				82.79 %
4		Bo Lu		3.10%
5				3%
6			AI AI	1.47%
7			IC	2.97%

2

1-6

3

			2017	2019
2020	1-9			
42,077.83	60,773.50	75,930.64	69,326.44	

专

2017	2020	1-9	176,580.76
190,321.30	308,875.15	218,571.85	

		894,349.06		2017	
		2019			
2018	4				
15.56		400G		100G	5G
			2018	12	
2019	3				
				2019	4 2
34,378,038				2019	4 10
	5			A	34,378,038
	45.26	/			155,595.00
3,336.54				152,258.46	
				78,518.35	176,623.41
	153,160.32	132,804.05			

上 其

				2017	2018	2019
2020	1-9					
42,077.83		60,773.50	75,930.64	69,326.44		

“

”

上

COB

/

2020 9 30

1,256

1

“ ” “ ” “ ” “ 2

”

2

付

2020 9 30

50

1	800G		
2			
3	100G/200G/400G		

专

1

1

2

2

2

专

1

2

上 其

50%

40%

其

1,500 200
600

1 100%
1

2

			2010 04 15
	22,641.722222		
	9132059455383489XX		
	168		

		2020 9 30	2019 12 31
		1,421.55	1,441.55
		1,254.78	23.07
		2020 1-9	2019
		38.08	57.26
		-32.46	-40.28

(2020) 3197 ()

3

100%

	88 H 2
	822,800
	2012 11 6
	2012 11 6 2062 11 5
	91320594056636040L

1		597,149.51	72.58%
2		225,650.49	27.42%
		822,800.00	100%

4

5

A.

2017					
	168	90,318.76		2060 05	30
0000080					

B.

2017 0000080	168	/	90,318.76	58,251.38	2060 05 30

C.

95%

5%

D.

6

2019 2020 1-9

2019 2020 1-9

7

8

2020 11 9

2020 12

9

2020 9 30 37,940.93

2020 1626 38,092.39

3.80

3.80

2

1

“

3

5G

“

”

IC

IC

4

(CPO)

800G

1-1-250

2008

10G SFP+ 25G SFP28 40G QSFP+ 100G
QSFP28 100G Single Lambda 400G OSFP 400G QSFP-DD CFP2 DCO/OSFP
DCO/QSFP-DD DCO

AT&T

AT&T

2020 579

2020 614

202032050001000000924

002439400

1

5G

10G 25G 40G 100G

200G 400G 800G

100G 400G

800G 400G
2023-2024 800G

5G

400G 800G

50G 100G 200G

3 (2021-2023)

4

2

71,212.10

1		32,810.70	46.07%
2		29,539.20	41.48%
3		2,098.10	2.95%
4		1,289.00	1.81%
5		5,475.10	7.69%
		71,212.10	100%

3

1

28% 16% 6% 50%

13%

Finisar Oclaro

50%

400G

ADC/DSP 400G

2-3 400G

800G

2

“ ”

400G

800G

4

1

“

” “ “ + ”

” “ ”

“ ”

“ ” “ ”

“ 5G+ ” 512 5G

5G

“ 5G+ ”

2

3

“

”

ISO9001:2015

TL9000 H6.0/R5.5

ISO14001:2015

ISO45001:2018

5

50G 100G 200G 400G

800G

10

1-3

2

4

	T1	T2-T10
400G/800G	-	573,260.52
50G/100G/200/G	-	80,539.62
	-	653,800.14

6

2020 580

2020 613

20203205000100000923

002437000

专

1

400G

50G 100G 200G

100G 400G

400G

2 (2021-2022

) 3

2

58,786.90

1		49,449.40	84.12%
2		1,884.00	3.20%
3		2,053.30	3.49%
4		5,400.20	9.19%
		58,786.90	100%

3

“ ”

4

“ ”

5

50G 100G 200G 400G

800G

5% 10 1 2 3

	T1-T10
400G/800G	682,298.93
50G/100G/200/G	328,771.17
	1,011,070.10

6

2020-340760-39-03-035249

2020 49

1

89,766.70

2

1

2020 9 30

41.83%

73.69%

2					
	2017	2018	2019	2020	1-9
	235,708.35	515,631.42	475,767.70		520,478.56

专 其
上 其

其

上

上

()

([2017]741) (“ ”

“ ”) 13.54 / ()(

“ ”) 27 206,794,668

(“ ”) 2017 7 3

(

) 2017 7 4 XYZH/2017JNA20188

13.54 /

()

()

36,189,068

489,999,980.72 21,000,000.00

() 468,999,980.72

853543030122600917 468,999,980.72

17,592,983.74 ()

451,406,996.98 2017 8 2

() 2017 8 3

XYZH/2017JNA20195

2020	6	30	
		236,078.74	236,078.74

专 其

		2019	1	8	
		(		[2019]24	) 5
		(A		)34,378,038	
	45.26			1,555,949,999.88	
33,365,369.04	(			1,522,584,630.84	
	2019	3	22		
(		2019	3	25	(2019)
0206					
2020	6	30		468,481,852.72	

上

()

					279,999.98	279,999.98				
						2017				279,999.98
						2018				-
						2019				-
						2020 1 6				-
						2020 6 30				()
1	100%	100%	279,999.98	279,999.98	279,999.98	279,999.98	279,999.98	279,999.98	-	2017 7 3
			279,999.98	279,999.98	279,999.98	279,999.98	279,999.98	279,999.98	-	

()

49,000.00						49,052.85				
						2017				
						40,530.97				
						2018				
						8,521.88				
						2019				
						-				
						2020 1-6				
						-				
						2020 6 30				()
1			19,400.00	19,400.00	19,418.09	19,400.00	19,400.00	19,418.09	18.09	2019 9
2			25,600.00	25,600.00	25,634.76	25,600.00	25,600.00	25,634.76	34.76	2019 10
3			4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	-	
			49,000.00	49,000.00	49,052.85	49,000.00	49,000.00	49,052.85	52.85	

()

155,595.00						107,665.59				
40,000.00						2017				
25.71%						2018				
						2019				
						2020 1 6				
						86,311.36				
						21,354.23				
						2020 6 30				()
1	400G	400G	35,082.00	35,082.00	35,299.96	35,082.00	35,082.00	35,299.96	217.96	2021 4
2			83,539.70	43,539.70	29,035.17	83,539.70	43,539.70	29,035.17	(14,504.53)	2021 4
3			16,973.30	16,973.30	16,997.90	16,973.30	16,973.30	16,997.90	24.60	
4			20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	-	
5	400G	400G	-	40,000.00	6,332.56	-	40,000.00	6,332.56	(33,667.44)	2022 1
			155,595.00	155,595.00	107,665.59	155,595.00	155,595.00	107,665.59	(47,929.41)	

1

2017 10 27

34,101.82

(2017 10 20)

() 2017

10 27

2017 10 20

(XYZH/2017JNA20209)

2

2019 4 22

38,083.48

(2019 4 22)

(

) 2019 4 22

2019 4 22

(

(2019) 2148)

专

2019 4 22

100,000

12

2019 5 15

2018

2020 4 17

65,000

3

2020 4 22

75,000

12

2020 6 9

2019

2017 9 6 (2017

) 2020 6 30

489,850

486,250 2020 6 30

3,600

2020 1 22

“

”

40,000.00

“ 400G

”

50

400G

专

上

		2020 6 30						2020 6 30	
				2020 1-6	2019	2018	2017		
1	100%		66,800.00			66,257.03	58,922.15	148,796.51	

		2020 6 30						2020 6 30	
				2020 1-6	2019	2018	2017		
1		83.6%	20,181.50	7,721.87	15,060.76	14,550.36	13,809.34	51,142.33	

专 其

		2020 6 30						2020 6 30	
				2020 1-6	2019	2018	2017		
1	400G		16,118.00	8,644.68	4,184.33			12,829.01	
2			15,914.50	1,694.42	566.97			2,261.39	
3									
4									
5	400G (3)								

95%

2

()
(2018) 1867 2017 2016
2016
236,173,335.63 2016
136.52%

()
(2018) 1867 2017 2016
2017
589,221,524.00 2017
272.79%

()
(2019) 2174 2018 2017 2016
2018
662,570,254.41 2018
237.48%

(2020) 3069 “ 2020 6 30

[2007]500
2020 6 30 ”

上 其

第九节 声明

一、公司及全体董事、监事、高级管理人员声明



第九节 声明

一、公司及全体董事、监事、高级管理人员声明

第九节 声明

一、公司及全体董事、监事、高级管理人员声明

...



第九节 声明

一、公司及全体董事、监事、高级管理人员声明

本公司及全体董事、监事、高级管理人员承诺本募集说明书内容真实、准确、完整，不存在虚假记载、误导性陈述或重大遗漏，按照诚信原则履行承诺，并承担相应的法律责任。

全体董事签字：

王伟修

刘 圣

王晓东

刘澄伟

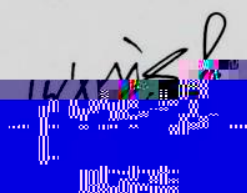
赵贵宾

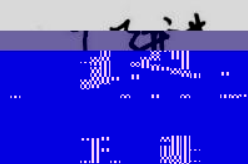
陈大同

一、公司及全体董事、监事、高级管理人员声明

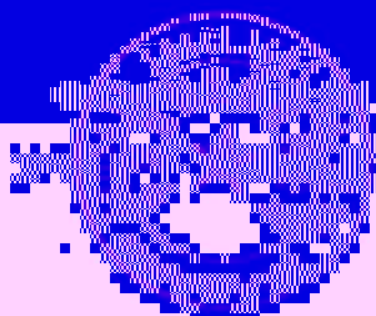
本公司及全体董事、监事、高级管理人员承诺本募集说明书内容真实、准确、完整，不存在虚假记载、误导性陈述或重大遗漏，按照诚信原则履行承诺，并承担相应的法律责任。

全体监事签字：


王 强


王 强


王 强



一、公司及全体董事、监事、高级管理人员声明

本公司及全体董事、监事、高级管理人员

声明

本公司

全体

董事

监事

高级管理人员



一、公司及全体董事、监事、高级管理人员声明

本公司及全体董事、监事、高级管理人员承诺本募集说明书内容真实、准确、完整，不存在虚假记载、误导性陈述或重大遗漏，按照诚信原则履行承诺，并承担相应的法律责任。

全体高级管理人员签字：

刘 圣

王晓东

王晓丽



Osa Chou-Shung Mok

王 军

(莫兆雄)



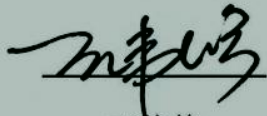
二、公司控股股东、实际控制人声明

本公司控股股东承诺本募集说明书内容真实、准确、完整，不存在虚假记载、误导性陈述或重大遗漏，按照诚信原则履行承诺，并承担相应的法律责任。

控股股东（盖章）：山东中际投资控股有限公司



控股股东法定代表人：


王伟修

实际控制人签字：


王伟修

2020 年 12 月 16 日

三、保荐机构（主承销商）声明

（一）保荐机构（主承销商）声明

本公司已对募集说明书进行了核查，确认本募集说明书内容真实、准确、完整，不存在虚假记载、误导性陈述或重大遗漏，并承担相应的法律责任。

保荐代表人签字：

尉欣

尉欣

张贵阳

张贵阳

项目协办人签字：

张跃赛

张跃赛

法定代表人签字：

张跃赛

张跃赛



国泰君安证券股份有限公司

2020年12月16日

(二) 保荐机构（主承销商）董事长和总经理声明

本人已认真阅读募集说明书的全部内容，确认不存在虚假记载、误导性陈述或重大遗漏，并对其真实性、准确性、完整性、及时性承担相应的法律责任。

总经理（总裁）签字：

王松

王松

董事长签字：

贺青

贺青



国泰君安证券股份有限公司

2020年12月16日

四、律师事务所声明

本所及经办律师已阅读募集说明书，确认募集说明书与本所出具的法律意见书不存在矛盾。本所及经办律师对发行人在募集说明书中引用的法律意见书的内容无异议，确认募集说明书不因引用上述内容而出现虚假记载、误导性陈述或重大遗漏，并承担相应的法律责任。

经办律师： 沈进 贾海波 项瑾
 沈 进 贾海波 项 瑾

律师事务所负责人： 张学兵
 张学兵



关于中际旭创股份有限公司

而导致在相应部分出现虚假记载、误导性陈述或重大遗漏，并对上述报告的真实性

签字注册会计师

签字注册会计师

会计师事务所负责人

普华永道中天会计师事务所(特殊普通合伙)

2020年12月16日

审计机构声明

本所及签字注册会计师已阅读募集说明书的全部内容，确认募集说明书内容与本所出具的报告不存在矛盾。本所及签字注册会计师在发行文件中募集说明书及其摘要中引用的本所出具的报告的内容无异议，确认募集说明书不致因所引用内容而出现虚假记载、误导性陈述或重大遗漏，并对其真实性、准确性和完整性承担相应

六、资产评估机构声明

本机构及签字资产评估师已阅读募集说明书，确认募集说明书与本机构出具的评估报告不存在矛盾。本机构及签字资产评估师对发行人募集说明书中引用的评估报告的内容无异议，确认募集说明书不因引用上述内容而出现虚假记载、误导性陈述或重大遗漏，并承担相应的法律责任。



七、资信评级机构声明

本机构及签字资信评级人员已阅读募集说明书，确认募集说明书与本机构出具的资信评级报告不存在矛盾。本机构及签字资信评级人员对发行人在募集说明书中引用的资信评级报告的内容无异议，确认募集说明书不因引用上述内容而出现虚假记载、误导性陈述或重大遗漏，并承担相应的法律责任。

资信评级人员： 顾春霞

顾春霞

杨培峰

杨培峰

评级机构负责人：

张剑文

张剑文

中证鹏元资信评估股份有限公司



2020 年 12 月 16 日

上

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其

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3、严格执行公司的分红政策，保障公司股东利益回报

公司将严格按照《上市公司监管指引 2 号—上市公司募集资金管理和使用的监管要求》、《深圳证券交易所创业板股票上市规则》、《深圳证券交易所创业板上市公司规范运作指引》及公司《募集资金使用管理制度》的有关规定，规范募集资金使用，保证募集资金充分有效利用。公司董事会将持续对募集资金进行专户存储、保障募集资金用于规定的用途、配合保荐机构对募集资金使用的检查和监督，以保证募集资金合理规范使用，防范募集资金使用风险，提高募集资金使用
