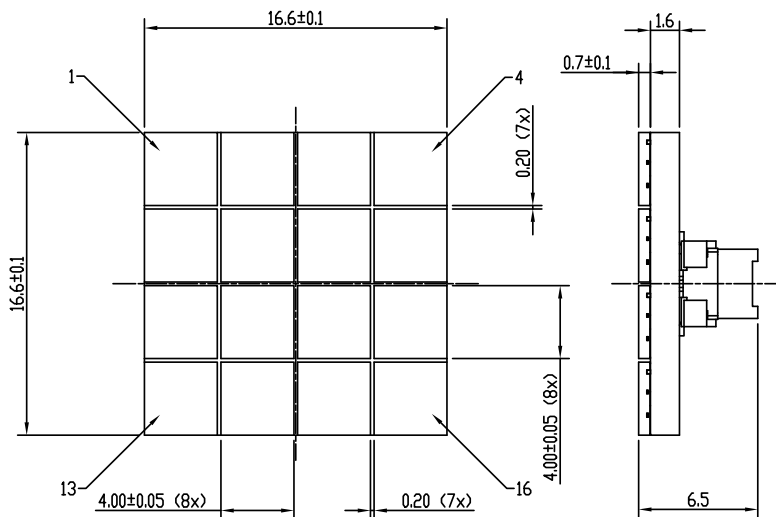
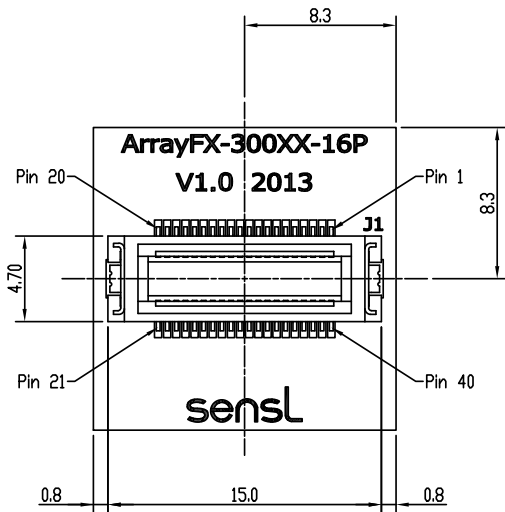


**ARRAYC-300XX-16P-PCB**  
CASE 100DF  
ISSUE O

DATE 31 JUL 2018



Top View Scale: 5 : 1



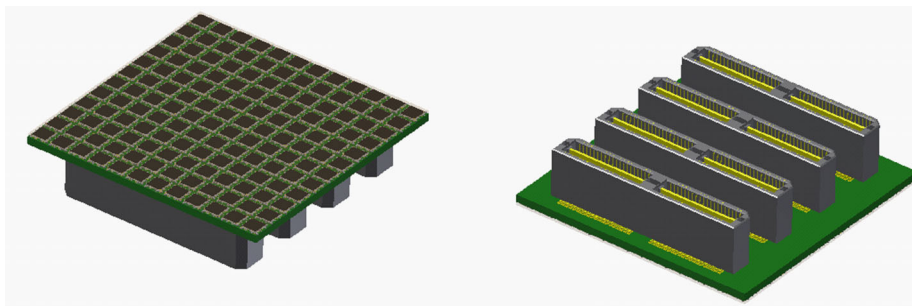
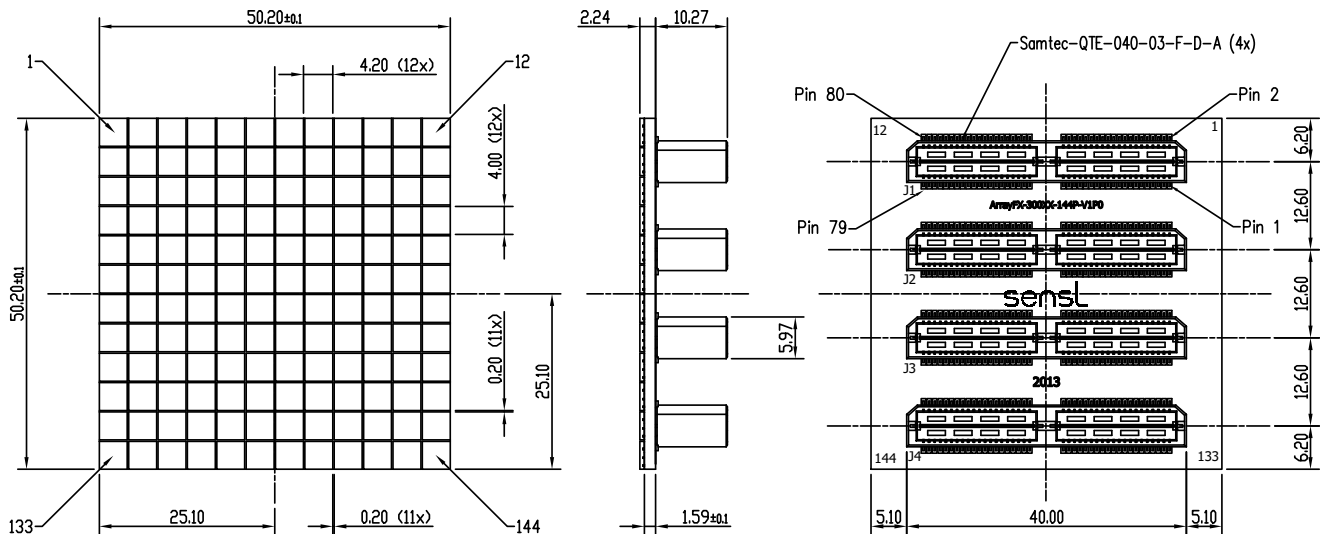
Bottom View Scale: 5 : 1

<b>DOCUMENT NUMBER:</b>	<b>98AON95335G</b>	Electronic versions are uncontrolled except when accessed directly from the Document Repository. Printed versions are uncontrolled except when stamped "CONTROLLED COPY" in red.
<b>DESCRIPTION:</b>	<b>ARRAYC-300XX-16P-PCB</b>	<b>PAGE 1 OF 1</b>

onsemi and onsemi are trademarks of Semiconductor Components Industries, LLC dba onsemi or its subsidiaries in the United States and/or other countries. onsemi reserves the right to make changes without further notice to any products herein. onsemi makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does onsemi assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. onsemi does not convey any license under its patent rights nor the rights of others.

**ARRAYC-300XX-144P-PCB**  
CASE 100DE  
ISSUE O

DATE 31 JUL 2018



Top View

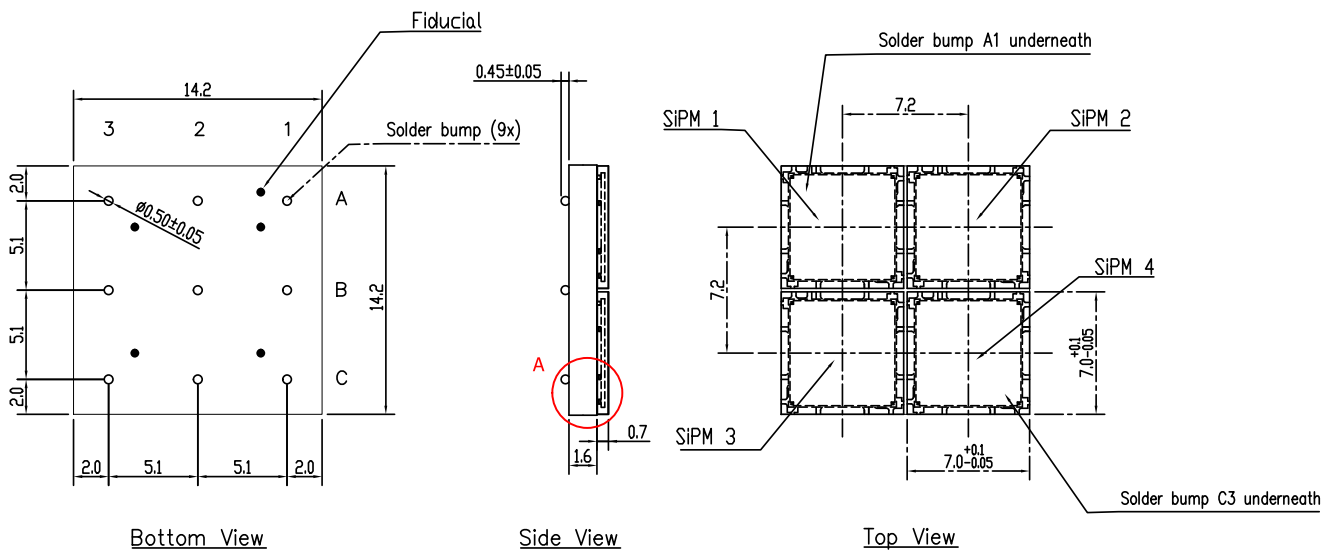
Bottom View

<b>DOCUMENT NUMBER:</b>	<b>98AON95333G</b>	Electronic versions are uncontrolled except when accessed directly from the Document Repository. Printed versions are uncontrolled except when stamped "CONTROLLED COPY" in red.
<b>DESCRIPTION:</b>	<b>ARRAYC-300XX-144P-PCB</b>	<b>PAGE 1 OF 1</b>

onsemi and onsemi are trademarks of Semiconductor Components Industries, LLC dba onsemi or its subsidiaries in the United States and/or other countries. onsemi reserves the right to make changes without further notice to any products herein. onsemi makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does onsemi assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. onsemi does not convey any license under its patent rights nor the rights of others.

**ARRAYC-600XX-4P-BGA**  
**CASE 100DG**  
**ISSUE O**

DATE 31 JUL 2018



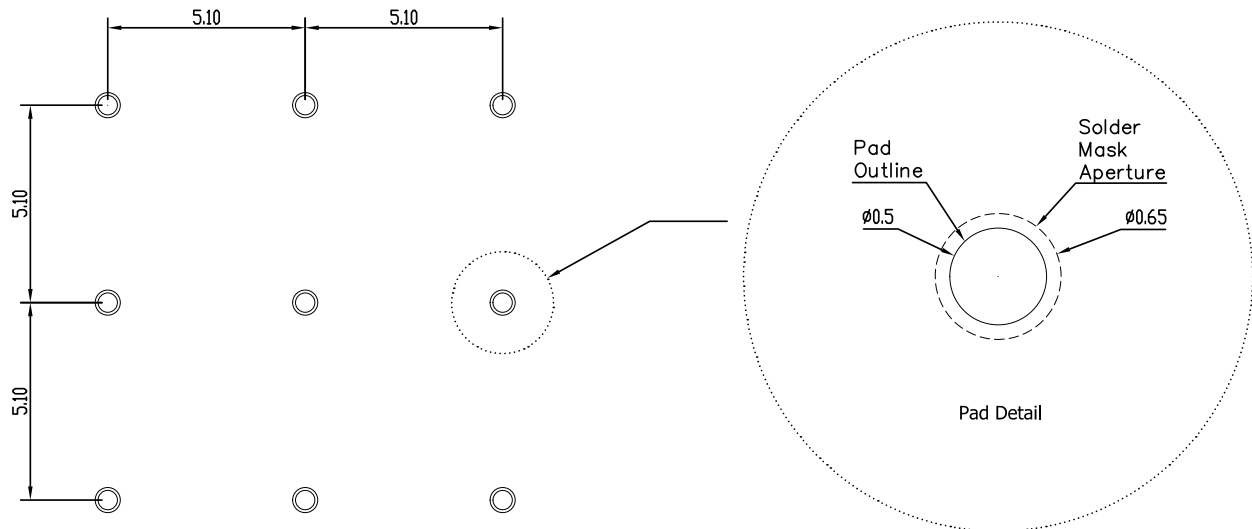
Solder Bump Assignments	
Bump #	Function
A1	Anode 1
A2	Anode 2
A3	Common Cathode
B1	Anode 3
B2	Anode 4
B3	Common Cathode
C1	Common Cathode
C2	Common Cathode
C3	Common Cathode

<b>DOCUMENT NUMBER:</b>	<b>98AON95339G</b>	Electronic versions are uncontrolled except when accessed directly from the Document Repository. Printed versions are uncontrolled except when stamped "CONTROLLED COPY" in red.
<b>DESCRIPTION:</b>	<b>ARRAYC-600XX-4P-BGA</b>	<b>PAGE 1 OF 2</b>

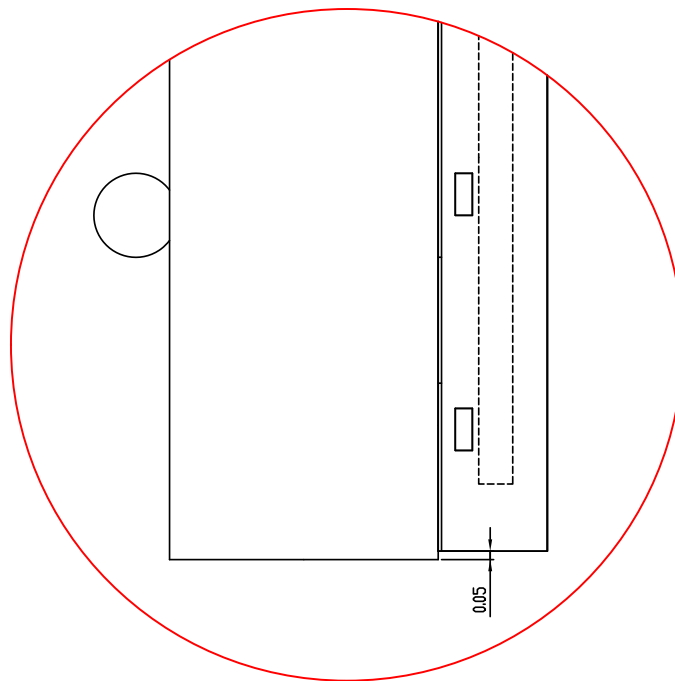
onsemi and onsemi are trademarks of Semiconductor Components Industries, LLC dba onsemi or its subsidiaries in the United States and/or other countries. onsemi reserves the right to make changes without further notice to any products herein. onsemi makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does onsemi assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. onsemi does not convey any license under its patent rights nor the rights of others.

**ARRAYC-600XX-4P-BGA**  
CASE 100DG  
ISSUE O

DATE 31 JUL 2018



Recommended PCB Solder Footprint



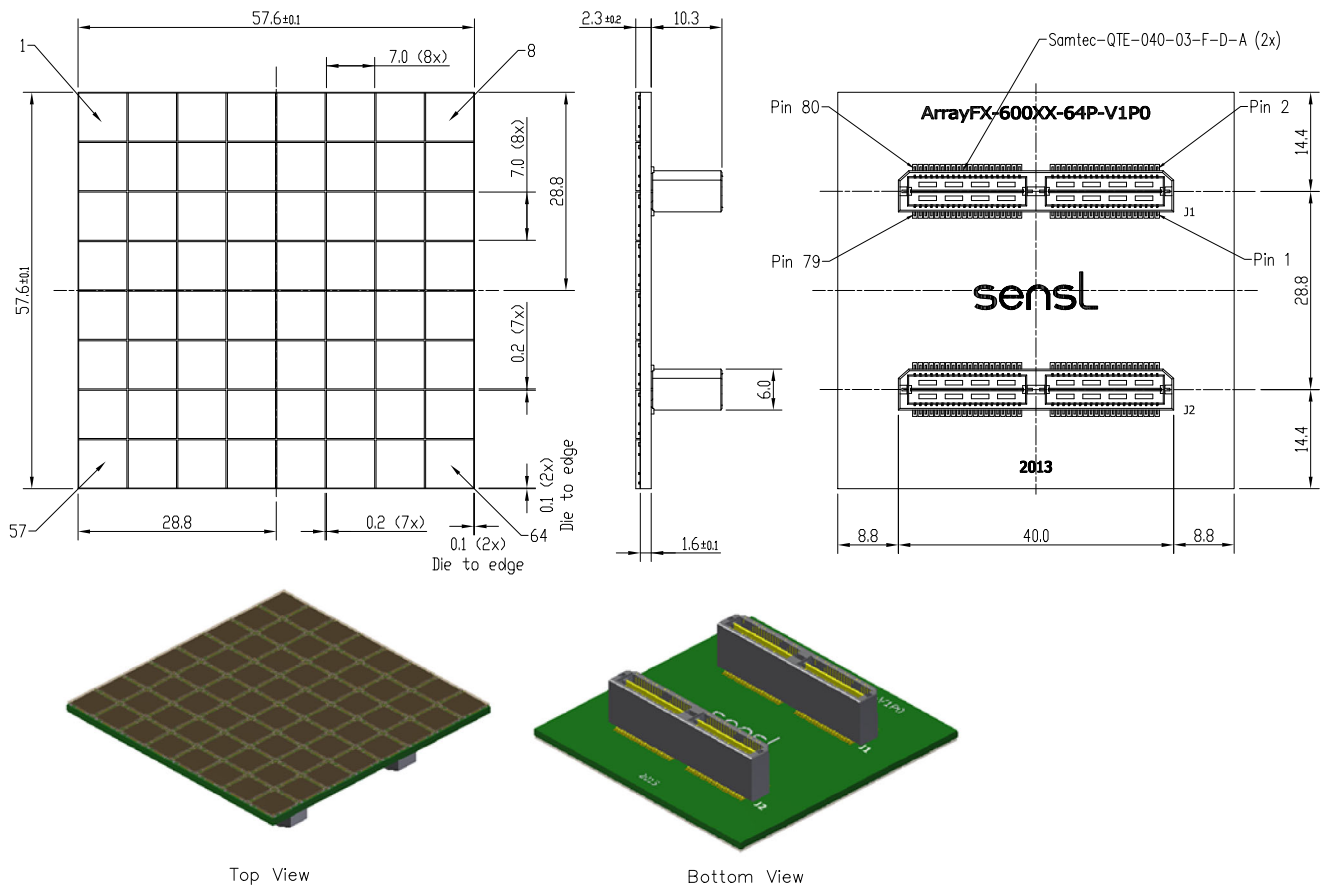
Detail A  
Edge of SiPM to PCB alignment  
tolerance 0.05mm

<b>DOCUMENT NUMBER:</b>	<b>98AON95339G</b>	Electronic versions are uncontrolled except when accessed directly from the Document Repository. Printed versions are uncontrolled except when stamped "CONTROLLED COPY" in red.
<b>DESCRIPTION:</b>	<b>ARRAYC-600XX-4P-BGA</b>	<b>PAGE 2 OF 2</b>

**onsemi** and **onsemi** are trademarks of Semiconductor Components Industries, LLC dba **onsemi** or its subsidiaries in the United States and/or other countries. **onsemi** reserves the right to make changes without further notice to any products herein. **onsemi** makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does **onsemi** assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. **onsemi** does not convey any license under its patent rights nor the rights of others.

**ARRAYC-600XX-64P-PCB**  
CASE 100DH  
ISSUE O

DATE 31 JUL 2018



<b>DOCUMENT NUMBER:</b>	<b>98AON95340G</b>	Electronic versions are uncontrolled except when accessed directly from the Document Repository. Printed versions are uncontrolled except when stamped "CONTROLLED COPY" in red.
<b>DESCRIPTION:</b>	<b>ARRAYC-600XX-64P-PCB</b>	<b>PAGE 1 OF 2</b>

onsemi and onsemi are trademarks of Semiconductor Components Industries, LLC dba onsemi or its subsidiaries in the United States and/or other countries. onsemi reserves the right to make changes without further notice to any products herein. onsemi makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does onsemi assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. onsemi does not convey any license under its patent rights nor the rights of others.

**ARRAYC-600XX-64P-PCB**  
CASE 100DH  
ISSUE O

DATE 31 JUL 2018

Connector Pin-Outs for the ArrayC-60035-64P-PCB

J1				J2			
PIN	SIGNAL	PIN	SIGNAL	PIN	SIGNAL	PIN	SIGNAL
1	S17	2	S1	1	S49	2	S33
3	F17	4	F1	3	F49	4	F33
5	S25	6	S9	5	S57	6	S41
7	F25	8	F9	7	F57	8	F41
9	S18	10	S2	9	S50	10	S34
11	F18	12	F2	11	F50	12	F34
13	S26	14	S10	13	S58	14	S42
15	F26	16	F10	15	F58	16	F42
17	S19	18	S3	17	S51	18	S35
19	F19	20	F3	19	F51	20	F35
21	S27	22	S11	21	S59	22	S43
23	F27	24	F11	23	F59	24	F43
25	S20	26	S4	25	S52	26	S36
27	F20	28	F4	27	F52	28	F36
29	S28	30	S12	29	S60	30	S44
31	F28	32	F12	31	F60	32	F44
33	CM	34	CM	33	CM	34	CM
35	CM	36	CM	35	CM	36	CM
37	CM	38	CM	37	CM	38	CM
39	CM	40	CM	39	CM	40	CM
41	S21	42	S5	41	S53	42	S37
43	F21	44	F5	43	F53	44	F37
45	S29	46	S13	45	S61	46	S45
47	F29	48	F13	47	F61	48	F45
49	S22	50	S6	49	S54	50	S38
51	F22	52	F6	51	F54	52	F38
53	S30	54	S14	53	S62	54	S46
55	F30	56	F14	55	F62	56	F46
57	S23	58	S7	57	S55	58	S39
59	F23	60	F7	59	F55	60	F39
61	S31	62	S15	61	S63	62	S47
63	F31	64	F15	63	F63	64	F47
65	S24	66	S8	65	S56	66	S40
67	F24	68	F8	67	F56	68	F40
69	S32	70	S16	69	S64	70	S48
71	F32	72	F16	71	F64	72	F48
73	CM	74	CM	73	CM	74	CM
75	CM	76	CM	75	CM	76	CM
77	CM	78	CM	77	CM	78	CM
79	CM	80	CM	79	CM	80	CM

CM Common I/O  
Sn Standard I/O of pixel n  
Fn Fast output of pixel n

<b>DOCUMENT NUMBER:</b>	<b>98AON95340G</b>	Electronic versions are uncontrolled except when accessed directly from the Document Repository. Printed versions are uncontrolled except when stamped "CONTROLLED COPY" in red.
<b>DESCRIPTION:</b>	<b>ARRAYC-600XX-64P-PCB</b>	<b>PAGE 2 OF 2</b>

**onsemi** and **onsemi** are trademarks of Semiconductor Components Industries, LLC dba **onsemi** or its subsidiaries in the United States and/or other countries. **onsemi** reserves the right to make changes without further notice to any products herein. **onsemi** makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does **onsemi** assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. **onsemi** does not convey any license under its patent rights nor the rights of others.