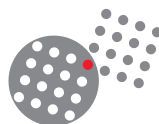




A Broad Range of Connectors for Electronic Box Applications

In addition to 8STA connectors with PCB contacts #22D, Souriau now offer connectors with PCB contacts #16, #20 & #26.

- 30 layouts available** ✓ Provides maximum flexibility according to application.
- Specific PC tail length** ✓ Simplifies daughter board positioning.
For contacts #22D & #20:
 - Standard = 3.5mm
 - Specific = 4.6 or 8.5mm
- Available with clinch nuts** ✓ Faster installation.



8STA PCB Connectors



Description

- Derived from MIL-DTL-38999 & Eurofighter JN 1003, 8STA connectors use the extensive SOURIAU range of 38999 medium and high density signal contact layouts
- Rugged aluminium body to ensure long service life in the harshest environment
- 8STA PCB connectors are available in shell sizes 02 to 24 (12 sizes)
- 100% scoop proof
- Available with clinch nut
- 6 colour coded keyway orientations

Technical features

Mechanical

- **Shell:** Aluminium
- **Shell palting:** Conductive black zinc
- **Insulator:** Liquid silicone rubber
- **Seal:** Liquid silicone rubber
- **Contact:** Copper alloy
- **Contact plating:** Gold
- **Endurance:** 500 matings/unmatings
- **Shock:** 300g for 3ms and EIA-364-27
- **Vibration:** 147m/s², 10 to 2000 Hz

Electrical

- **Contact resistance:**
 - Size 26: 16 m Ω
 - Size 22D: 14.6 m Ω
 - Size 20: 7.3 m Ω
 - Size 16: 3.8 m Ω
- **Insulation resistance:**
 - $\geq 5000\text{m}\Omega$ (at 500Vdc)
- **Contact rating:**
 - Size 26: 3 Amp
 - Size 22D: 5 Amp
 - Size 20: 7.5 Amp
 - Size 16: 13 Amp
- **Shell continuity:** $\leq 10\text{m}\Omega$

Climatic

- **Temperature range:** -55 $^{\circ}\text{C}$ to +175 $^{\circ}\text{C}$
- **Sealing mated connectors:**
 - IP 67 (1 metre for 30 min minimum)
- **Salt spray:** 48 hours

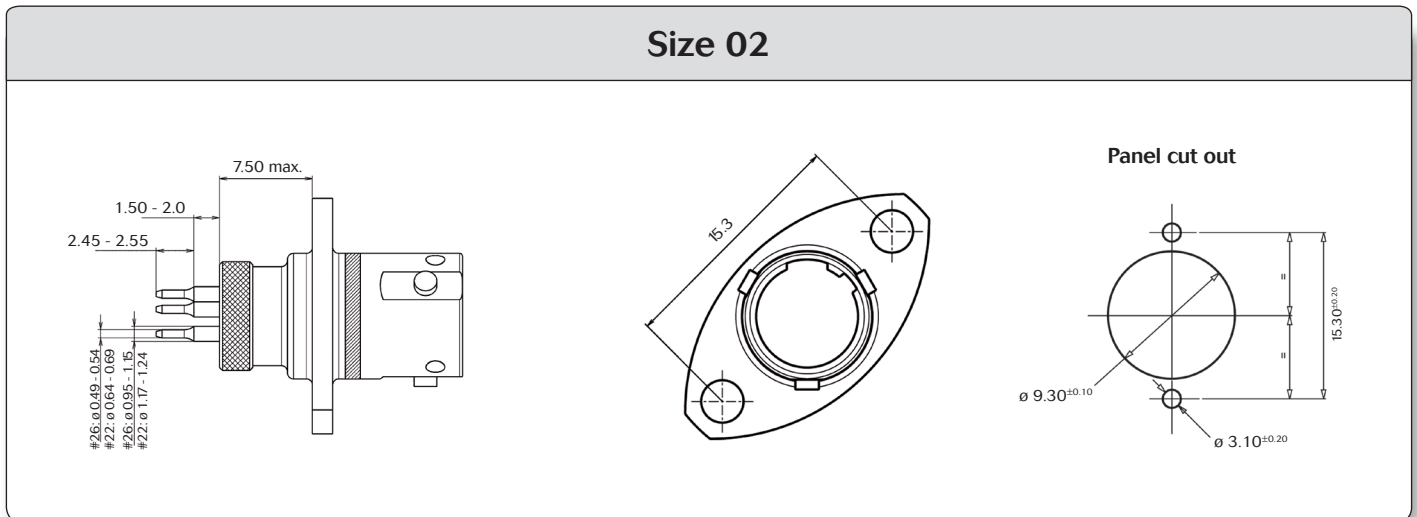
8STA PCB Connectors



Ordering information

Basic series	8STA	2	12	35	P	N	-
Shell type:	2: Oval flange receptacle with PCB contacts						
Shell size:	02; 04; 06; 08; 10; 12; 14; 16; 18; 20; 22; 24						
Contact layout:	See Souriau 8STA catalog						
Type of contact:	P: Pin S: Socket						
Orientation:	N; A; B; C; D; E (only for size 02)						
Specification :	None: Standard version 499: Integrated clinch nut on flange (M2 for sizes 02, 04 & 06; M3 for sizes 08 to 24) 528: Integrated clinch nut on flange (M2.5 for sizes 02, 04 & 06) 571: Specific PC tail (length = 4.6mm) - only available for sizes 08 to 24 (see page 5) 625: Specific PC tail (length = 8.5mm) - only available for sizes 08 to 24 (see page 5)						

Dimensions

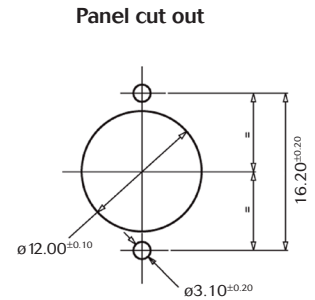
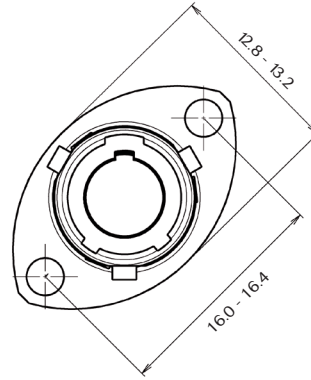
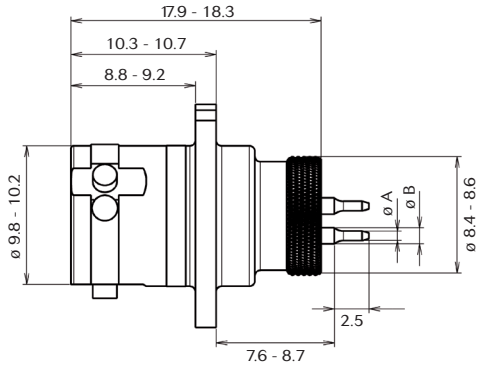


Note: All dimensions are in millimeters (mm)

8STA PCB Connectors



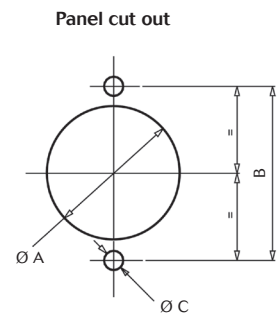
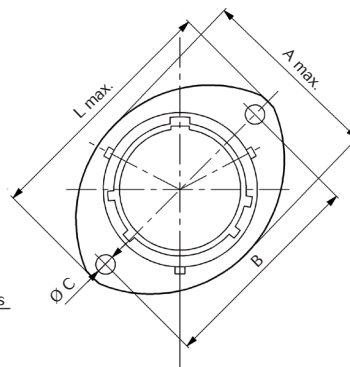
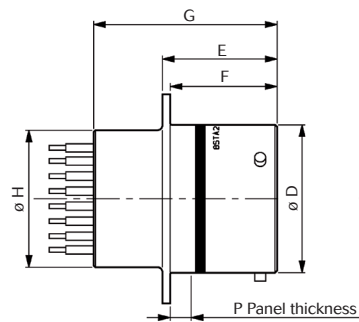
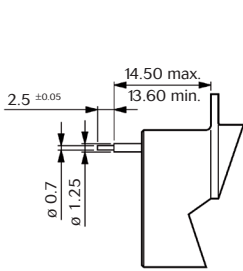
Size 04



Layouts	Contacts	ø A	ø B
04-35	3 contacts #22D	0.64 / 0.69	1.19 / 1.24
04-05	5 contacts #26	0.49 / 0.54	1.1 / 1.15

For contact P/N, please consult us

Sizes 08 to 24



Shell size	A max.	B ±0.20	ø C °	ø D +0.2	E °	F °	G max.	ø H max.	L max.	P max.	Panel cut out		
											ø A ±0.10	B ±0.20	ø C ±0.20
08	16.50	21.40	3.20	12.00	17.21	16.05	27.65	11.10	27.20	3.00	14.50	21.40	3.60
10	19.50	25.90		14.97				13.90	32.00		17.40	25.90	
12	24.00	29.10		19.05				17.35	35.20		21.90	29.10	
14	26.90	32.50		22.22				20.50	38.40		25.00	32.50	
16	30.30	34.80		25.40				23.70	41.00		28.20	34.80	
18	33.70	38.20		28.57				26.91	44.70		31.40	38.20	
20	37.00	41.60		31.77				30.11	47.80		34.60	41.60	
22	40.40	45.00		34.90				33.20	51.00		37.60	45.00	
24	43.40	49.50	3.77	38.10	18.20	15.29	36.40	55.80	41.00	49.50	4.10		

Note: All dimensions are in millimeters (mm)

8STA PCB Connectors



Specific PCB versions

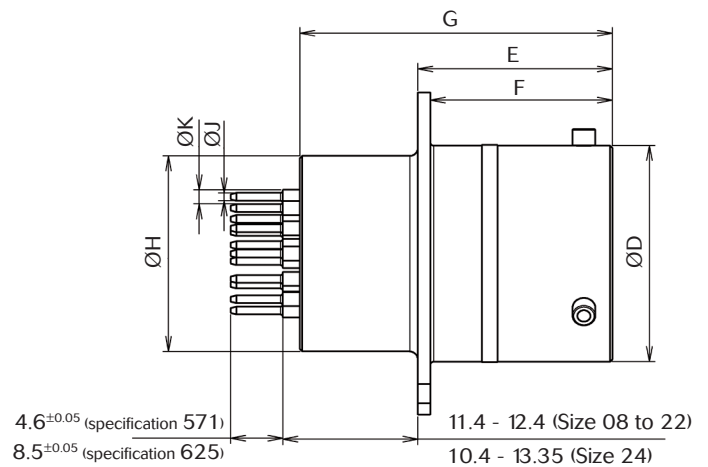
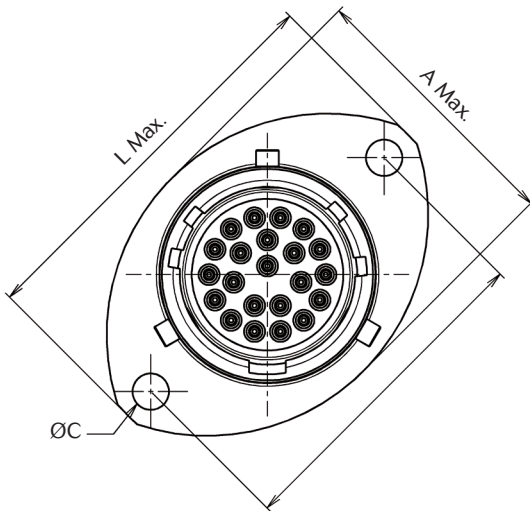
Specification 571

Available from shell sizes 08 to 24 with layouts using contacts #22D et #20
 Specific tail length = 4.6 mm
 Also available with clinch nut: please consult us.

Specification 625

Available from shell sizes 08 to 24 with layouts using contacts #22D et #20
 Specific tail length = 8.5 mm
 Also available with clinch nut: please consult us.

Dimensions



Shell size	A Max	B ± 0.2	ØC ± 0.15	ØD ± 0.2	E ± 0.15	F ± 0.13	G Max	ØH Max	L Max
08	16.5	21.4	3.15	12	17.21	16.05	27.65	11.1	27.2
10	19.5	25.9		14.97				13.9	32
12	24	29.1		19.05				17.35	35.2
14	26.9	32.5		22.22				20.5	38.4
16	30.3	34.8		25.4				23.7	41
18	33.7	38.2		28.57				26.91	44.7
20	37	41.6		31.77				30.11	47.8
22	40.2	45	34.9	33.2	51				
24	43.4	49.5	3.77 ± 0.15	38.1	18.2	15.29	36.4	55.8	





Note: All dimensions are in millimeters (mm)

8STA PCB Connectors



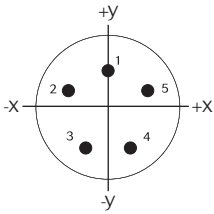
PCB drilling information

Viewed from front face of male insulator.

	Contact #26		Contact #20
	Contact #22D		Contact #16

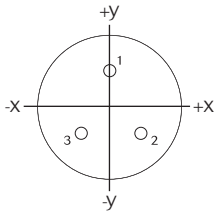
Shell size 02

05



Contact	Coordinates	
	X	y
1	0.00	1.45
2	-1.38	0.45
3	-0.85	-1.18
4	0.85	-1.18
5	1.38	0.45

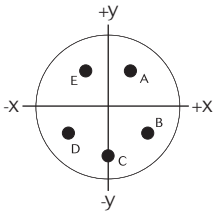
35



Contact	Coordinates	
	X	y
1	0	1.3
2	1.13	-0.65
3	-1.13	-0.65

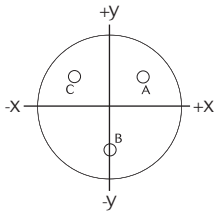
Shell size 04

05



Contact	Coordinates	
	X	y
A	+1.14	+1.57
B	+1.84	-0.60
C	0.00	-1.94
D	-1.84	-0.60
E	-1.14	-1.57

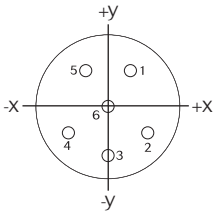
35



Contact	Coordinates	
	X	y
A	+1.24	+0.72
B	0.00	-1.43
C	-1.24	+0.72

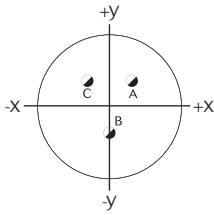
Shell size 08

35



Contact	Coordinates	
	X	Y
1	+1.14	+1.98
2	+1.98	-1.14
3	0.00	-2.29
4	-1.98	-1.14
5	-1.14	+1.98
6	0.00	0.00

98



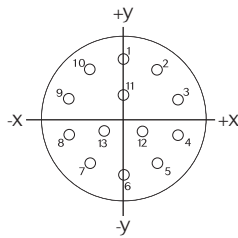
Contact	Coordinates	
	X	Y
A	+1.65	+0.97
B	0.00	-1.90
C	-1.65	+0.97

8STA PCB Connectors



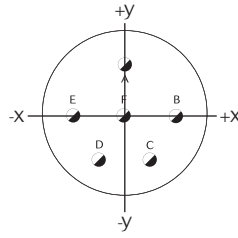
Shell size 10

35



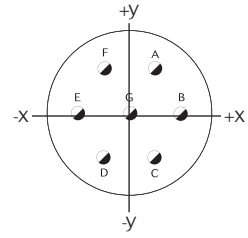
Contact	Coordinates		Contact	Coordinates	
	X	Y		X	Y
1	0.00	+3.71	8	-3.50	-1.14
2	+2.16	+3.00	9	-3.50	+1.14
3	+3.50	+1.14	10	-2.16	+2.99
4	+3.50	-1.14	11	0.00	+1.42
5	+2.16	-2.99	12	+1.24	-0.89
6	0.00	-3.71	13	-1.24	-0.89
7	-2.16	-2.99			

98



Contact	Coordinates	
	X	Y
A	0.00	+3.30
B	+3.30	0.00
C	+1.65	-2.87
D	-1.65	-2.87
E	-3.30	0.00
F	0.00	0.00

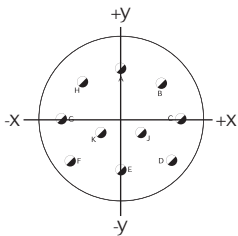
99



Contact	Coordinates	
	X	Y
A	+1.65	+2.85
B	+3.30	0.00
C	+1.65	-2.87
D	-1.65	-2.87
E	-3.30	0.00
F	-1.65	+2.87
G	0.00	0.00

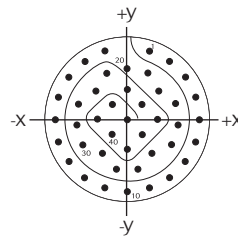
Shell size 12

98



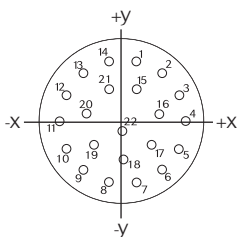
Contact	Coordinates	
	X	Y
A	0.00	+4.95
B	+3.81	+3.80
C	+4.90	+0.76
D	+4.16	-2.67
E	0.00	-3.43
F	-4.16	-2.67
G	-4.90	+0.76
H	-3.81	+3.80
J	+1.65	-0.38
K	-1.65	-0.38

43



Contact	Coordinates		Contact	Coordinates	
	X	y		X	y
1	1.8	5.54	23	3.92	1.27
2	3.42	4.71	24	4.1	-0.43
3	4.71	3.42	25	3.57	-2.06
4	5.54	1.8	26	1.99	-2.74
5	5.82	0	27	0.86	-4.03
6	5.54	-1.8	28	-0.86	-4.03
7	4.71	-3.42	29	-1.99	-2.74
8	3.42	-4.71	30	-3.57	-2.06
9	1.8	-5.54	31	-4.1	-0.43
10	0	-5.82	32	-3.92	1.27
11	-1.8	-5.54	33	-2.54	2.28
12	-3.42	-4.71	34	-1.68	3.76
13	-4.71	-3.42	35	0	2.42
14	-5.54	-1.8	36	1.21	1.21
15	-5.82	0	37	2.42	0
16	-5.54	1.8	38	1.21	-1.21
17	-4.71	3.42	39	0	-2.42
18	-3.42	4.71	40	-1.21	-1.21
19	-1.8	5.54	41	-2.42	0
20	0	4.12	42	-1.21	1.21
21	1.68	3.76	43	0	0
22	2.54	2.28			

35



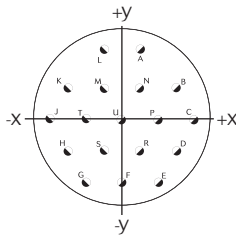
Contact	Coordinates		Contact	Coordinates	
	X	Y		X	Y
1	+1.14	+5.00	12	-4.62	+2.24
2	+3.20	+4.01	13	-3.20	+4.01
3	+4.62	+2.24	14	-1.14	+5.00
4	+5.15	0.00	15	+1.14	+2.72
5	+4.62	-2.24	16	+2.97	+0.66
6	+3.20	-4.01	17	+2.36	-1.91
7	+1.14	-5.00	18	0.00	-3.05
8	-1.14	-5.00	19	-2.36	-1.91
9	-3.20	-4.01	20	-2.97	+0.66
10	-4.62	-2.24	21	-1.14	+2.72
11	-5.15	0.00	22	0.00	-0.76

8STA PCB Connectors



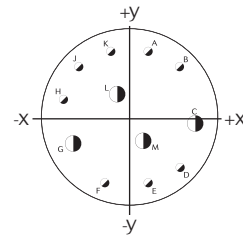
Shell size 14

18



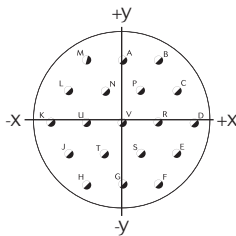
Contact	Coordinates		Contact	Coordinates	
	X	Y		X	Y
A	+1.65	+6.40	K	-4.95	+2.87
B	+4.95	+2.87	L	-1.65	+6.40
C	+6.60	0.00	M	-1.65	+2.87
D	+4.95	-2.87	N	+1.65	+2.87
E	+3.30	-5.72	P	+3.30	0.00
F	0.00	-5.72	R	+1.65	-2.87
G	-3.30	-5.72	S	-1.65	-2.87
H	-4.95	-2.87	T	-3.30	0.00
J	-6.60	0.00	U	0.00	0.00

97



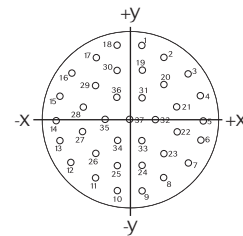
Contact	Coordinates		Contact	Coordinates	
	X	Y		X	Y
A	+1.65	+5.94	G	-5.26	-2.41
B	+4.52	+4.52	H	-5.94	+1.65
C	+5.84	-0.58	J	-4.52	+4.52
D	+4.52	-4.52	K	-1.65	+5.94
E	+1.65	-5.94	L	-1.19	+2.06
F	-2.26	-5.97	M	+1.19	-2.06

19



Contact	Coordinates	
	X	Y
A	0.00	+5.72
B	+3.30	+5.72
C	+4.95	+2.72
D	+6.60	0.00
E	+4.95	-2.87
F	+3.30	-5.72
G	0.00	-5.72
H	-3.30	-5.72
J	-4.95	-2.87
K	-6.60	0.00
L	-4.95	+2.87
M	-3.30	+5.72
N	-1.65	+2.87
P	+1.65	+2.87
R	+3.30	0.00
S	+1.65	-2.87
T	-1.65	-2.87
U	-3.30	0.00
V	0.00	0.00

35



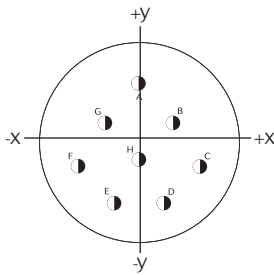
Contact	Coordinates		Contact	Coordinates	
	X	Y		X	Y
1	+1.14	+6.65	17	-3.12	+5.51
2	+3.12	+5.51	18	-1.14	+6.65
3	+5.36	+4.06	19	+1.14	+4.37
4	+6.45	+2.03	20	+3.12	+3.02
5	+6.76	-0.25	21	+4.32	+1.02
6	+6.27	-2.49	22	+4.32	-1.27
7	+5.08	-4.44	23	+3.12	-3.23
8	+3.30	-5.89	24	+1.14	-4.37
9	+1.14	-6.65	25	-1.14	-4.37
10	-1.14	-6.65	26	-3.12	-3.23
11	-3.30	-5.89	27	-4.32	-1.27
12	-5.08	-4.44	28	-4.32	+1.02
13	-6.27	-2.49	29	-3.12	+3.02
14	-6.76	-0.25	30	-1.14	+4.37
15	-6.45	+2.03	31	+1.14	+1.88
16	-5.36	+4.06	32	+2.29	-0.10
			33	+1.14	-2.08
			34	-1.14	-2.08
			35	-2.29	-0.10
			36	-1.14	+1.88
			37	0.00	-0.10

8STA PCB Connectors



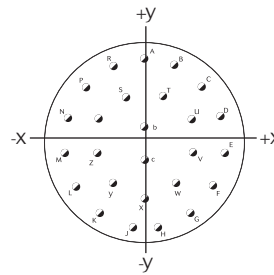
Shell size 16

08



Contact	Coordinates	
	X	Y
A	0.00	+5.99
B	+3.25	+2.18
C	+5.84	-1.98
D	+2.39	-5.49
E	-2.39	-5.49
F	-5.84	-1.98
G	-3.25	+2.18
H	0.00	-1.32

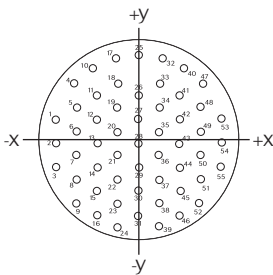
26



Contact	Coordinates	
	X	Y
A	0.00	+8.15
B	+3.33	+7.44
C	+6.07	+5.44
D	+7.75	+2.51
E	+8.10	-0.86
F	+7.06	-4.09
G	+4.80	-6.60
H	+1.70	-7.98
J	-1.70	-7.98
K	-4.80	-6.60
L	-7.06	-4.09
M	-8.10	-0.86
N	-7.75	+2.51

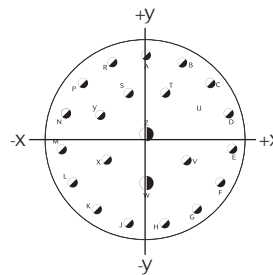
Contact	Coordinates	
	X	Y
P	-6.07	+5.44
R	-3.33	+7.44
S	-1.78	+4.50
T	+1.78	+4.50
U	+4.45	+2.39
V	+4.53	+0.91
W	+3.02	-3.84
X	0.00	-5.16
Y	-3.02	-3.84
Z	-4.53	-0.91
a	-4.45	+2.39
b	0.00	+1.65
c	0.00	-1.65

35



Contact	Coordinates	
	X	Y
27	0.00	+2.18
28	0.00	-0.10
29	0.00	-2.39
30	0.00	-4.67
31	0.00	-6.96
32	+2.26	+8.03
33	+1.98	+5.61
34	+1.98	+3.33
35	+1.98	+1.04
36	+1.98	-1.24
37	+1.98	-3.53
38	+1.98	-5.82
39	+1.98	-8.10
40	+4.37	+7.09
41	+3.96	+4.47
42	+3.96	+2.18
43	+3.96	-0.10
44	+3.96	-2.39
45	+3.96	-4.67
46	+3.96	-6.96
47	+6.15	+5.61
48	+5.94	+3.33
49	+5.94	+1.04
50	+5.94	-1.24
51	+5.94	-3.53
52	+5.94	-5.82
53	+7.92	+2.18
54	+7.92	-0.10
55	+7.92	-2.39

99



Contact	Coordinates	
	X	Y
A	0.00	+8.15
B	+3.33	+7.44
C	+6.07	+5.44
D	+7.75	+2.51
E	+8.10	-0.86
F	+7.06	-4.09
G	+4.80	-6.60
H	+1.70	-7.96
J	-1.70	-7.96
K	-4.80	-6.60
L	-7.06	-4.09
M	-8.10	-0.86
N	-7.75	+2.51
P	-6.07	+5.44
R	-3.33	+7.44
S	-1.78	+4.50
T	+1.78	+4.50
U	+4.45	+2.39
V	+3.81	-1.91
W	0.00	-4.09
X	-3.81	-1.91
Y	-4.45	+2.39
Z	0.00	+0.64

Contact	Coordinates	
	X	Y
1	-7.92	+2.18
2	-7.92	-0.10
3	-7.92	-2.39
4	-6.15	+5.61
5	-5.94	+3.33
6	-5.94	+1.04
7	-5.94	-1.24
8	-5.94	-3.53
9	-5.94	-5.82
10	-4.37	+7.09
11	-3.96	+4.47
12	-3.96	+2.18
13	-3.96	-0.10

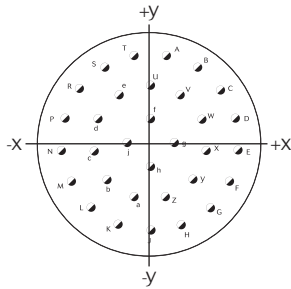
Contact	Coordinates	
	X	Y
14	-3.96	-2.39
15	-3.96	-4.67
16	-3.96	-6.96
17	-2.26	+8.03
18	-1.98	+5.61
19	-1.98	+3.33
20	-1.98	+1.04
21	-1.98	-1.24
22	-1.98	-3.53
23	-1.98	-5.82
24	-1.98	-8.10
25	0.00	+8.36
26	0.00	+4.47

8STA PCB Connectors



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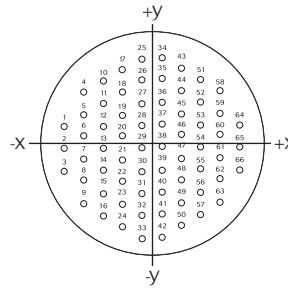
32



Contact	Coordinates	
	X	Y
A	+1.68	+8.97
B	+4.80	+7.75
C	+7.26	+5.51
D	+8.76	+2.49
E	+9.07	-0.84
F	+8.15	-4.06
G	+6.15	-6.73
H	+3.30	-8.51
J	0.00	-9.12
K	-3.30	-8.51
L	-6.15	-6.73
M	-8.15	-4.06
N	-9.07	-0.84
P	-8.76	+2.49
R	-7.26	+5.51
S	-4.80	+7.75

Contact	Coordinates	
	X	Y
T	-1.68	+8.97
U	0.00	+5.84
V	+3.15	+4.90
W	+5.31	+2.41
X	+5.79	-0.84
Y	+4.42	-3.84
Z	+1.65	-5.61
a	-1.65	-5.61
b	-4.42	-3.84
c	-5.79	-0.84
d	-5.31	+2.41
e	-3.15	+4.90
f	0.00	+2.44
g	+2.44	0.00
h	0.00	-2.44
j	-2.44	0.00

35



Contact	Coordinates	
	X	Y
1	-9.07	+2.29
2	-9.07	0.00
3	-9.07	-2.29
4	-7.09	+5.72
5	-7.09	+3.43
6	-7.09	+1.14
7	-7.09	-1.14
8	-7.09	-3.43
9	-7.09	-5.72
10	-5.11	+6.86
11	-5.11	+4.57
12	-5.11	+2.29
13	-5.11	0.00
14	-5.11	-2.29
15	-5.11	-4.57
16	-5.11	-6.86
17	-3.12	+8.00

Contact	Coordinates	
	X	Y
18	+3.12	+5.72
19	-3.12	+3.43
20	-3.12	+1.14
21	-3.12	-1.14
22	-3.12	-3.43
23	-3.12	-5.72
24	-3.12	-8.00
25	-1.14	+9.14
26	-1.14	+6.86
27	-1.14	+4.57
28	-1.14	+2.29
29	-1.14	0.00
30	-1.14	-2.29
31	-1.14	-4.57
32	-1.14	-6.86
33	-1.14	-9.14
34	+1.14	+9.14

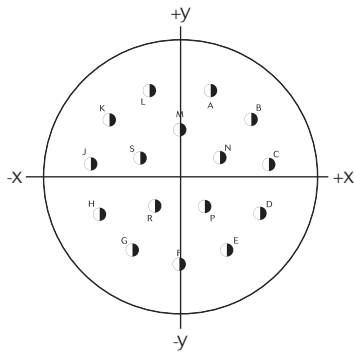
Contact	Coordinates	
	X	Y
35	+1.14	+6.86
36	+1.14	+4.57
37	+1.14	+2.29
38	+1.14	0.00
39	+1.14	-2.29
40	+1.14	-4.57
41	+1.14	-6.86
42	+1.14	-9.14
43	+3.12	+8.00
44	+3.12	+5.72
45	+3.12	+3.43
46	+3.12	+1.14
47	+3.12	-1.14
48	+3.12	-3.43
49	+3.12	-5.72
50	+3.12	-8.00
51	+5.11	+6.86
52	+5.11	+4.57
53	+5.11	+2.29
54	+5.11	0.00
55	+5.11	-2.29
56	+5.11	-4.57
57	+5.11	-6.86
58	+7.09	+5.72
59	+7.09	+3.43
60	+7.09	+1.14
61	+7.09	-1.14
62	+7.09	-3.43
63	+7.09	-5.72
64	+9.07	+2.29
65	+9.07	0.00
66	+9.07	-2.29

8STA PCB Connectors



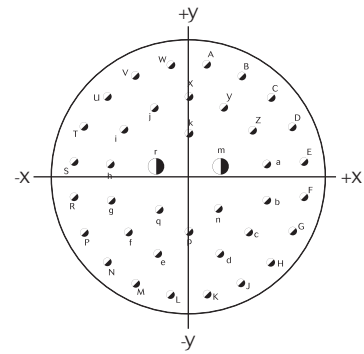
Shell size 20

16



Contact	Coordinates	
	X	Y
A	+3.00	+8.18
B	+6.88	+5.36
C	+8.66	+0.914
D	+7.82	-3.81
E	+4.62	-7.37
F	0.00	-8.71
G	-4.62	-7.37
H	-7.82	-3.81
J	-8.66	+0.91
K	-6.88	+5.36
L	-3.00	+8.18
M	0.00	+4.45
N	+3.91	+1.57
P	+2.39	-3.10
R	-2.39	-3.10
S	-3.91	+1.57

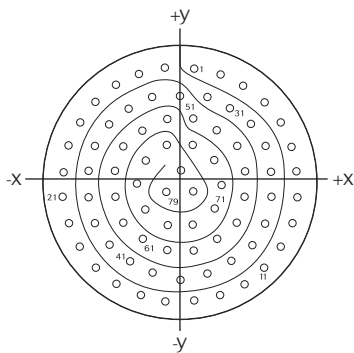
39



Contact	Coordinates	
	X	Y
A	+1.65	+10.44
B	+4.80	+9.42
C	+7.47	+7.47
D	+9.42	+4.80
E	+10.44	+1.65
F	+10.44	-1.65
G	+9.42	-4.80
H	+7.47	-7.47
J	+4.80	-9.42
K	+1.65	-10.44
L	-1.65	-10.44
M	-4.80	-9.42
N	-7.47	-7.47
P	-9.42	-4.80
R	-10.44	-1.65
S	-10.44	+1.65
T	-9.42	+4.80
U	-7.47	+7.47
V	-4.80	+9.42
W	-1.65	+10.44

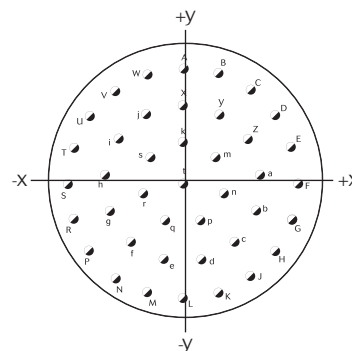
Contact	Coordinates	
	X	Y
X	0.00	+7.49
Y	+3.20	+6.50
Z	+5.89	+4.55
a	+7.11	+1.45
b	+7.11	-1.88
c	+5.51	-4.80
d	+2.84	-6.73
e	-2.84	-6.73
f	-5.51	-4.80
g	-7.11	-1.88
h	-7.11	+1.45
i	-5.89	+4.55
j	-3.20	+6.50
k	0.00	+4.17
m	+2.90	+1.22
n	+2.69	-2.72
p	0.00	-4.80
q	-2.69	-2.72
r	-2.90	+1.22

35



Contact	Coordinates	
	X	Y
41	-2.49	-8.18
42	-4.67	-7.11
43	-6.55	-5.59
44	-7.90	-3.58
45	-8.43	-1.22
46	-8.43	+1.22
47	-7.90	+3.58
48	-6.55	+5.59
49	-4.67	+7.11
50	-2.49	+8.18
51	-1.22	+6.12
52	+1.22	+6.12
53	+3.40	+5.05
54	+5.28	+3.53
55	+6.02	+1.22
56	+6.02	-1.22
57	+5.28	-3.53
58	+3.40	-5.05
59	+1.22	-6.12
60	-1.22	-6.12
61	-3.40	-5.05
62	-5.28	-3.53
63	-6.02	-1.22
64	-6.02	+1.22
65	-5.28	+3.53
66	-3.40	+5.05
67	-1.22	+3.71
68	+1.22	+3.71
69	+3.18	+2.29
70	+3.94	0.00
71	+3.18	-2.29
72	+1.22	-3.71
73	-1.22	-3.71
74	-3.18	-2.29
75	-3.94	0.00
76	-3.18	+2.29
77	0.00	+1.35
78	+1.22	-0.74
79	-1.22	-0.74

41



Contact	Coordinates	
	X	Y
A	0.00	+10.60
B	+3.28	+10.09
C	+6.23	+8.58
D	+8.58	+6.23
E	+10.09	+3.28
F	+10.60	0.00
G	+10.09	-3.28
H	+8.58	-6.23
J	+6.23	-8.58
K	+3.28	-10.09
L	0.00	-10.60
M	-3.28	-10.09
N	-6.23	-8.58
P	-8.58	-6.23
R	-10.09	-3.28
S	-10.60	0.00

Contact	Coordinates	
	X	Y
X	0.00	+7.20
Y	+3.35	+6.38
Z	+5.92	+4.09
a	+7.15	+0.87
b	+6.73	-2.55
c	+4.78	-5.39
d	+1.73	-6.99
e	-1.73	-6.99
f	-4.78	-5.39
g	-6.73	-2.55
h	-7.15	+0.87
i	-5.92	+4.09
j	-3.35	+6.38
k	0.00	+3.81
m	+2.98	+2.38
n	+3.71	-0.85
p	-1.66	-3.43
q	+1.66	-3.43
r	-3.71	-0.85
s	-2.98	+2.38
t	0.00	0.00

Contact	Coordinates	
	X	Y
1	+1.35	+10.82
2	+3.71	+10.26
3	+5.89	+9.19
4	+7.77	+7.67
5	+9.27	+5.77
6	+10.31	+3.58
7	+10.85	+1.22
8	+10.85	-1.22
9	+10.31	-3.58
10	+9.27	-5.77
11	+7.77	-7.67
12	+5.89	-9.19
13	+3.71	-10.26
14	+1.35	-10.82
15	-1.35	-10.82
16	-3.71	-10.26
17	-5.89	-9.19
18	-7.77	-7.67
19	-9.27	-5.77
20	-10.31	-3.58

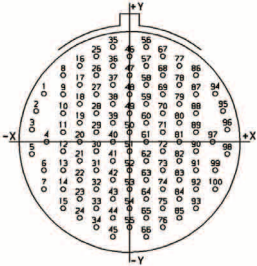
Contact	Coordinates	
	X	Y
21	-10.85	-1.22
22	-10.85	+1.22
23	-10.31	+3.58
24	-9.27	+5.77
25	-7.77	+7.67
26	-5.89	+9.19
27	-3.71	+10.26
28	-1.35	+10.82
29	0.00	+8.20
30	+2.49	+8.18
31	+4.67	+7.11
32	+6.55	+5.59
33	+7.90	+3.58
34	+8.43	+1.22
35	+8.43	-1.22
36	+7.90	-3.58
37	+6.55	-5.59
38	+4.67	-7.11
39	+2.49	-8.18
40	0.00	-8.81

8STA PCB Connectors



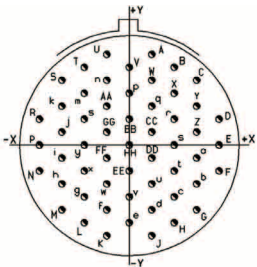
Shell size 22

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Contact	Coordinates		Contact	Coordinates		Contact	Coordinates		Contact	Coordinates		Contact	Coordinates	
	X	y		X	y		X	y		X	y		X	y
1	-10.87	+6.12	21	-6.32	-2.41	41	-2.11	-2.41	61	+2.11	0.00	81	+6.32	0.00
2	-11.86	+3.91	22	-6.32	-4.83	42	-2.11	-4.83	62	+2.11	-2.41	82	+6.32	-2.41
3	-12.40	+1.55	23	-6.32	-7.24	43	-2.11	-7.24	63	+2.11	-4.83	83	+6.32	-4.83
4	-10.54	0.00	24	-6.32	-9.65	44	-2.11	-9.65	64	+2.11	-7.24	84	+6.32	-7.24
5	-12.40	-1.55	25	-4.22	+10.87	45	-2.11	-12.06	65	+2.11	-9.65	85	+6.32	-9.65
6	-10.87	+3.61	26	-4.22	+8.46	46	0.00	+10.87	66	+2.11	-12.06	86	+8.43	+8.46
7	-10.87	-6.02	27	-4.22	+6.05	47	0.00	+8.46	67	+4.22	+10.87	87	+8.43	+6.05
8	-8.43	+8.46	28	-4.22	+3.63	48	0.00	+6.05	68	+4.22	+8.46	88	+8.43	+3.63
9	-8.43	+6.05	29	-4.22	+1.22	49	0.00	+3.63	69	+4.22	+6.05	89	+8.43	+1.22
10	-8.43	+3.63	30	-4.22	-1.19	50	0.00	+1.22	70	+4.22	+3.63	90	+8.43	-1.19
11	-8.43	+1.22	31	-4.22	-3.61	51	0.00	-1.19	71	+4.22	+1.22	91	+8.43	-3.61
12	-8.43	-1.19	32	-4.22	-6.02	52	0.00	-3.61	72	+4.22	-1.19	92	+8.43	-6.02
13	-8.43	-3.61	33	-4.22	-8.43	53	0.00	-6.02	73	+4.22	-3.61	93	+8.43	-8.43
14	-8.43	-6.02	34	-4.22	-10.85	54	0.00	-8.43	74	+4.22	-6.02	94	+10.87	+6.12
15	-8.43	-8.43	35	-2.11	+12.06	55	0.00	-10.85	75	+4.22	-8.43	95	+11.86	+3.91
16	-6.32	+9.65	36	-2.11	-9.65	56	+2.11	+12.06	76	+4.22	-10.85	96	+12.40	+1.55
17	-6.32	+7.24	37	-2.11	+7.24	57	+2.11	+9.65	77	+6.32	+9.65	97	+10.54	0.00
18	-6.32	+4.83	38	-2.11	+4.83	58	+2.11	+7.24	78	+6.32	+7.24	98	+12.40	-1.55
19	-6.32	+2.41	39	-2.11	-2.41	59	+2.11	+4.83	79	+6.32	+4.83	99	+10.87	-3.61
20	-6.32	0.00	40	-2.11	0.00	60	+2.11	+2.41	80	+6.32	+2.41	100	+10.87	-6.02

55



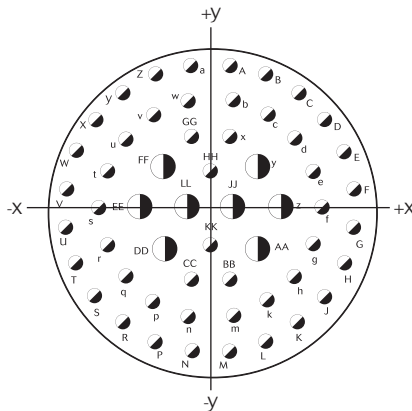
Contact	Coordinates		Contact	Coordinates		Contact	Coordinates		Contact	Coordinates		Contact	Coordinates	
	X	y		X	y		X	y		X	y		X	y
A	+2.84	+11.56	M	-8.53	-8.26	Z	+8.53	+1.65	k	-8.53	+4.95	x	-5.72	-3.30
B	+5.72	+9.91	N	-11.43	-3.30	a	+8.53	-1.65	m	-5.72	+6.60	y	-5.72	0.00
C	+8.53	+8.26	P	-11.43	0.00	b	+8.53	-4.95	n	-2.84	+8.26	z	-5.72	+3.30
D	+11.43	+3.30	R	-11.43	+3.30	c	+5.72	-6.60	p	0.00	+6.60	AA	-2.84	+4.95
E	+11.43	0.00	S	-8.53	+8.26	d	+2.84	-8.26	q	+2.84	+4.95	BB	0.00	+3.30
F	+11.43	-3.30	T	-5.72	+9.91	e	0.00	-9.91	r	+5.72	+3.30	CC	+2.84	+1.65
G	+8.53	-8.26	U	-2.84	+11.56	f	-2.84	-8.26	s	+5.72	0.00	DD	+2.84	-1.65
H	+5.72	-9.91	V	0.00	+9.91	g	-5.72	-6.60	t	+5.72	-3.30	EE	0.00	-3.30
J	+2.84	-11.56	W	+2.84	+8.26	h	-8.53	-4.95	u	+2.84	-4.95	FF	-2.84	-1.65
K	-2.84	-11.56	X	+5.72	+6.60	i	-8.53	-1.65	v	0.00	-6.60	GG	-2.84	+1.65
L	-5.72	-9.91	Y	+8.53	+4.95	j	-8.53	+1.65	w	-2.84	-4.95	HH	0.00	0.00

8STA PCB Connectors

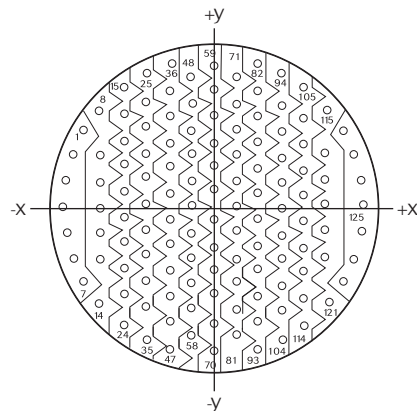


Shell size 24

04



35



Contact	Coordinates	
	X	Y
A	+1.75	+13.49
B	+5.49	+12.57
C	+8.23	+10.80
D	+10.77	+8.28
E	+12.52	+5.21
F	+13.49	+1.75
G	+13.49	-1.75
H	+12.52	-5.21
J	+10.77	-8.28
K	+8.23	-10.80
L	+5.16	-12.57
M	+1.75	-13.49
N	-1.75	-13.49
P	-5.16	-12.57
R	-8.23	-10.80
S	-10.77	-8.28
T	-12.52	-5.21
U	-13.49	-1.75
V	-13.49	+1.75
W	-12.52	+5.21
X	-10.77	+8.28
Y	-8.23	+10.80
Z	-5.16	+12.57

Contact	Coordinates	
	X	Y
a	-1.75	+13.49
b	+2.18	+10.08
c	+5.38	+8.78
d	+7.90	+6.38
e	+9.58	+3.35
f	+10.46	0.00
g	+9.58	-3.35
h	+7.90	-6.38
k	+5.38	-8.78
m	+2.18	-10.08
n	-2.18	-10.08
p	-5.38	-8.78
q	-7.90	-6.38
r	-9.58	-3.35
s	-10.46	0.00
t	-9.58	+3.35
u	-7.90	+6.38
v	-5.38	+8.78
w	-2.18	+10.08
x	+1.75	+6.66
y	+4.37	+3.78
z	+6.55	0.00

Contact	Coordinates	
	X	Y
AA	+4.37	-3.78
BB	+1.75	-6.66
CC	-1.75	-6.66
DD	-4.37	+3.78
EE	-6.55	0.00
FF	-4.37	+3.78
GG	-1.75	+6.66
HH	0.00	+3.35
JJ	+2.18	0.00
KK	0.00	-3.35
LL	+2.18	0.00

Contact	Coordinates	
	X	Y
A	+4.98	+12.70
B	+7.98	+11.05
C	+10.49	+8.71
D	+12.32	+5.84
E	+13.39	+2.57
F	+13.61	-0.76
G	+12.98	-4.17
H	+11.53	-7.29
J	+9.35	-9.93
K	+6.58	-11.94
L	+3.40	13.18

Contact	Coordinates	
	X	Y
M	0.00	-13.64
N	-3.40	-13.18
P	-6.58	-11.94
R	-9.35	-9.93
S	-11.53	-7.29
T	-12.98	-4.17
U	-13.61	-0.76
V	-13.39	+2.57
W	-12.32	+5.84
X	-10.49	+8.71
Y	-7.98	+11.05
Z	-4.98	+12.70

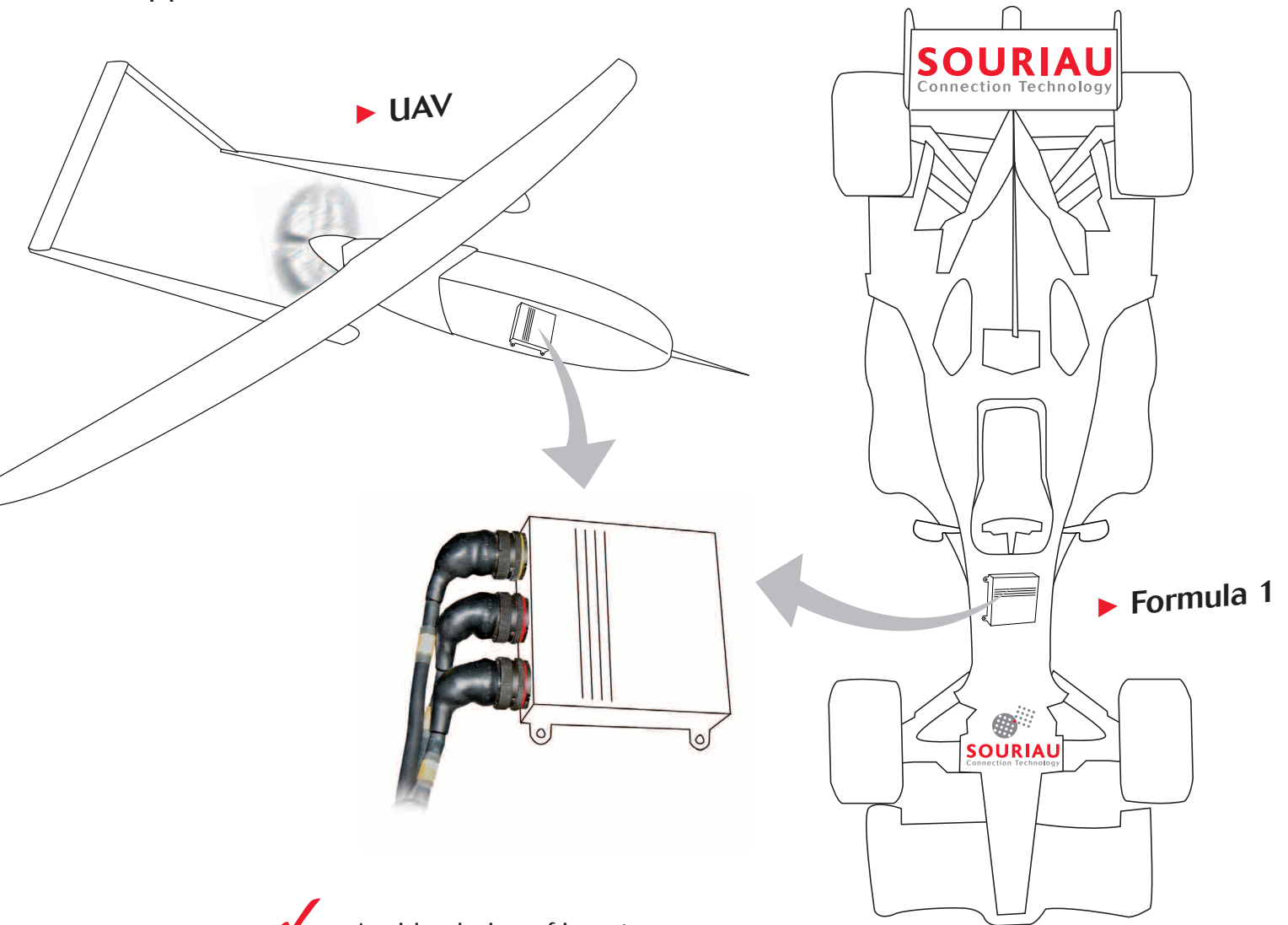
Contact	Coordinates	
	X	Y
a	-1.73	+11.53
b	+1.73	+11.53
c	+4.39	+9.22
d	+7.24	+7.19
e	+9.19	+4.45
f	+10.13	+1.17
g	+9.96	-2.24
h	+8.66	-5.41
i	+6.38	-7.98
j	+3.38	-9.63
k	0.00	-10.21
m	-3.38	-9.63
n	-6.38	-7.98
p	-8.66	-5.41
q	-9.96	-2.24
r	-10.13	+1.17
s	-9.19	+4.45
t	-7.24	+7.19
u	-4.39	+9.22
v	0.00	+8.59
w	+3.73	+5.66
x	+6.02	+3.10
y	+6.78	-0.25
z	+5.79	-3.53
AA	+3.33	-5.92
BB	0.00	-6.78
CC	-3.33	-5.92
DD	-5.79	-3.53
EE	-6.78	-0.25
FF	-6.02	+3.10
GG	-3.73	+5.66
HH	0.00	+5.08
JJ	+2.67	+2.39
KK	+3.43	-1.04
LL	0.00	-3.35
MM	-3.43	-1.04
NN	-2.67	+2.39
PP	0.00	0.00

For further information, visit our website www.motorsport-connectors.com
or contact us at contactindustry@souriau.com

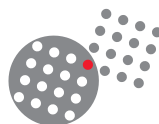
8STA PCB Connectors



Souriau offer connectors with 3mm (std), 4.6 or 8.5mm long PC tails to provide maximum design flexibility for the customer. The option to have pre-assembled clinch nuts also improves installation time, simplifies the assembly process and brings applied cost savings opportunities.



- ✓ A wide choice of inserts.
- ✓ PCB layout available in 12 shell sizes.
- ✓ Clinch nut option.
- ✓ RoHS.
- ✓ Mix layouts with #20 & #16 PCB contacts.



SOURIAU
Connection Technology