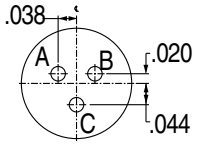
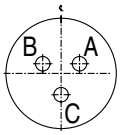
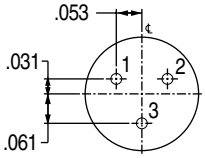
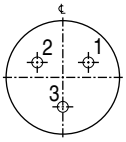
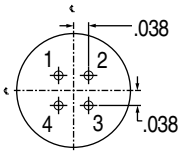
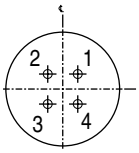
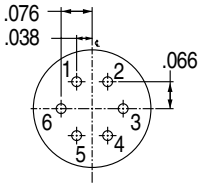
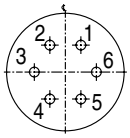
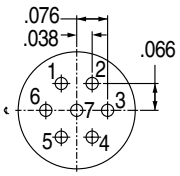
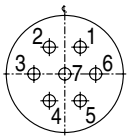
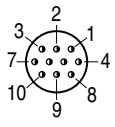
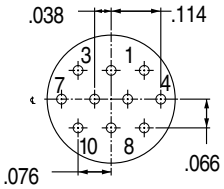
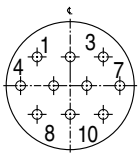
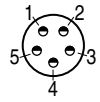
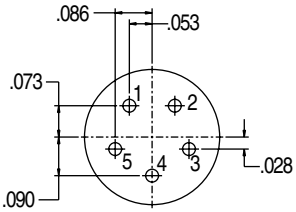
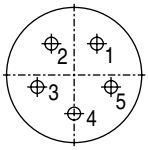
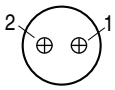
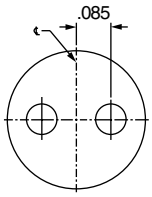
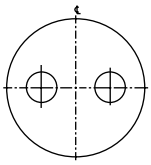
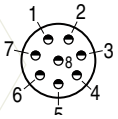
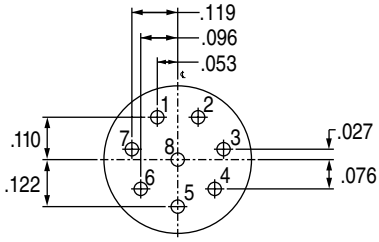
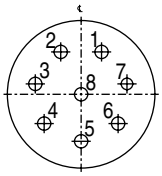
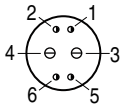
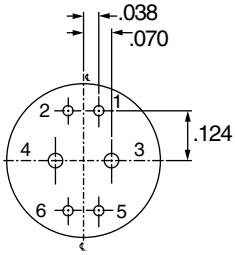
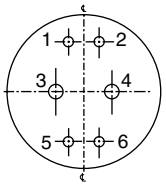
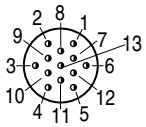
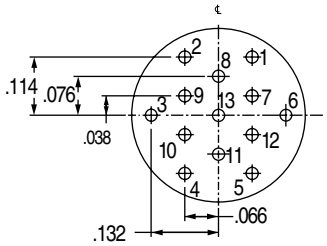
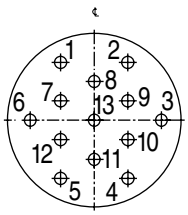
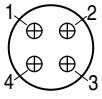
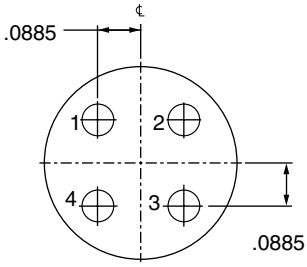
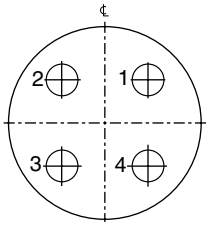
Straight PCB Footprints

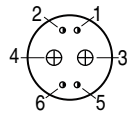
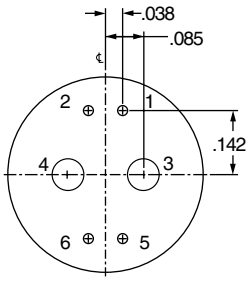
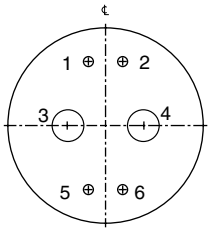
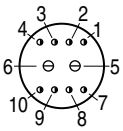
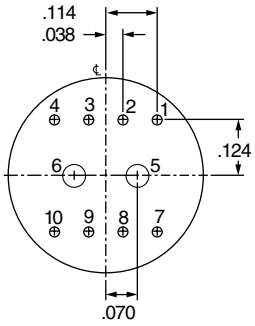
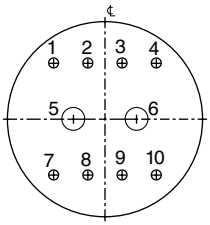
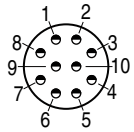
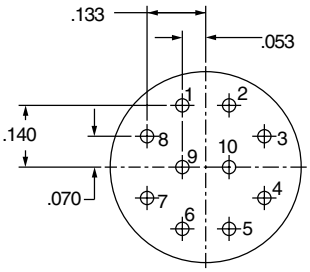
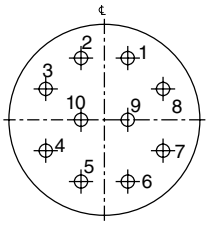
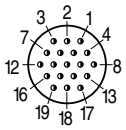
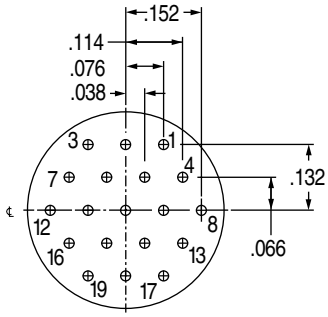
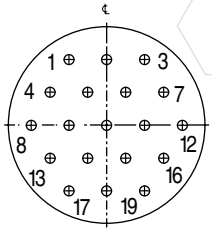
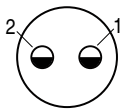
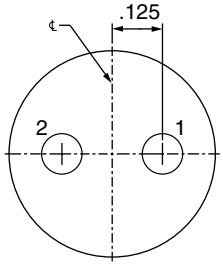
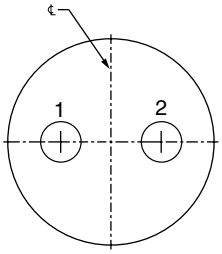
Socket inserts are a mirror image of pin side. Socket side shown for cavity locations only, reference pin side for dimensions.

Insert Arrangement	Pin Connector	Socket Connector
5-3 (3) #23 Contacts .022 Max. Dia Tall		
6-23, 8-23 (3) #20HD Contacts .023 Max. Dia. Tail		
6-4, 8-4 (4) #23 Contacts .022 Max. Dia Tail		
6-6, 8-6 (6) #23 Contacts .022 Max. Dia. Tail		
6-7, 8-7 (7) #23 Contacts .022 Max. Dia. Tail		
 **7-10, 9-10** 10 #23 Contacts .022 Max. Dia. Tail		

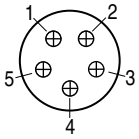
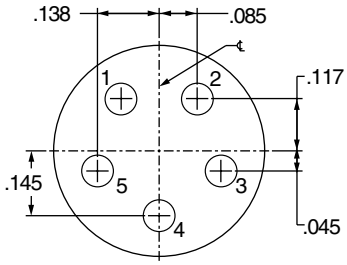
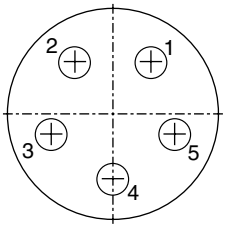
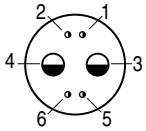
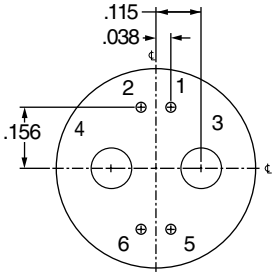
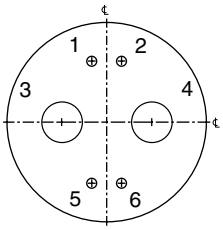
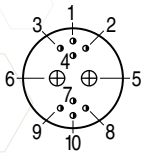
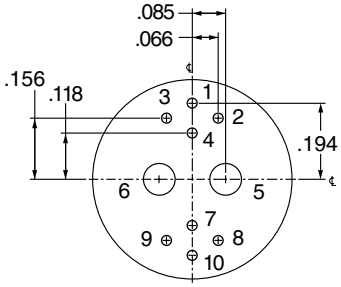
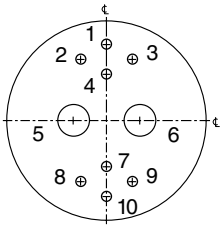
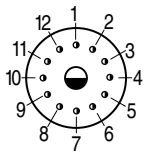
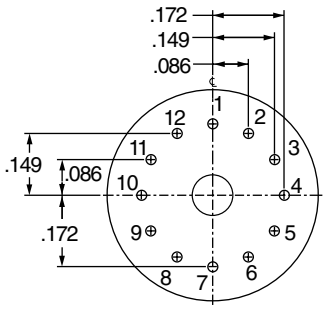
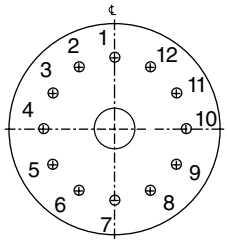
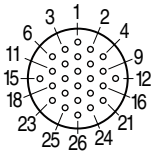
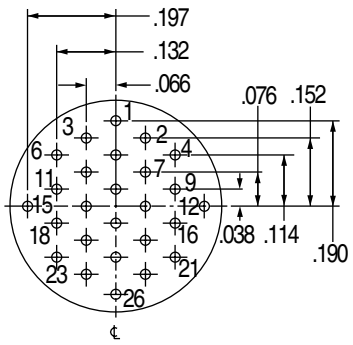
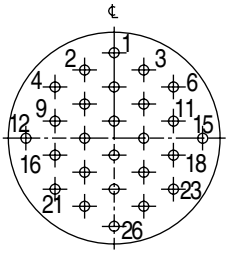
Straight PCB Footprints

Insert Arrangement	Pin Connector	Socket Connector
 7-25, 9-25 (5) #20HD Contacts .028 Max. Dia Tall		
 8-2, 10-2 (2) #16 Contacts		
 8-28, 10-28 (8) #20HD Contacts		
 8-200, 10-200 (2) #20 Contacts (4) #23 Contacts		
 8-13, 10-13 (13) #23 Contacts .022 Max. Dia. Tail		
 9-4, 11-4 (4) #16 Contacts		

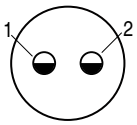
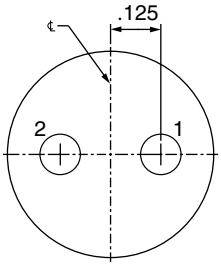
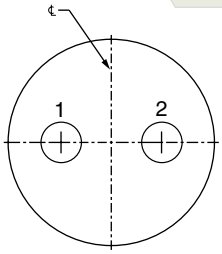
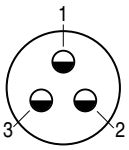
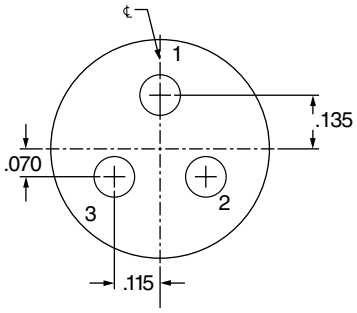
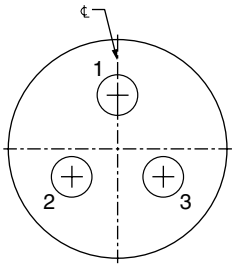
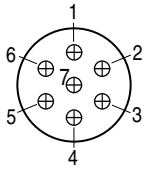
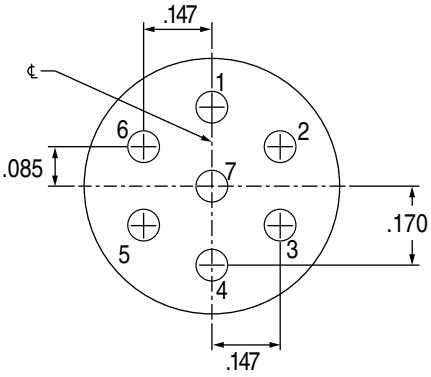
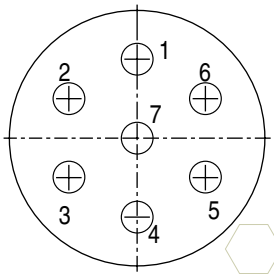
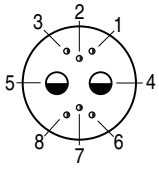
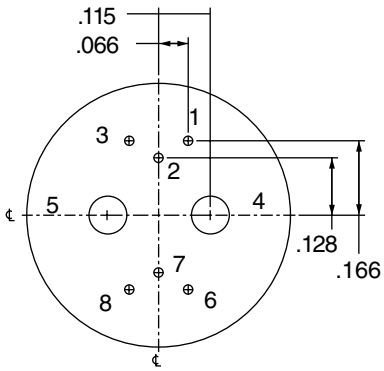
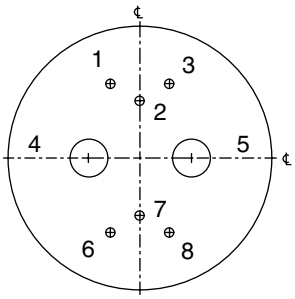
Straight PCB Footprints

Insert Arrangement	Pin Connector	Socket Connector
 9-200, 11-200 (4) #23 Contacts (2) #16 Contacts		
 9-201, 11-201 (2) #20 Contacts (8) #23 Contacts		
 9-210, 11-210 (10) #20HD Contacts		
 9-19, 11-19 (19) #20 Contacts .022 Max. Dia Tail		
 10-2, 12-2 (2) #12 Contacts		

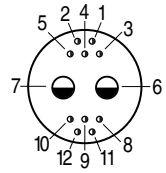
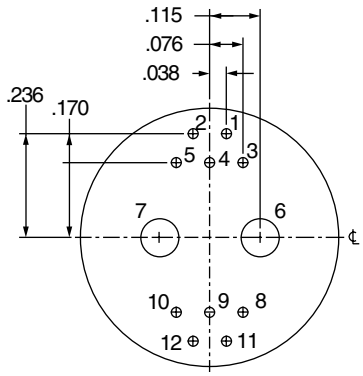
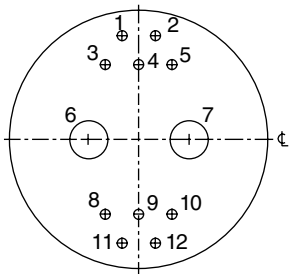
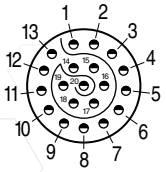
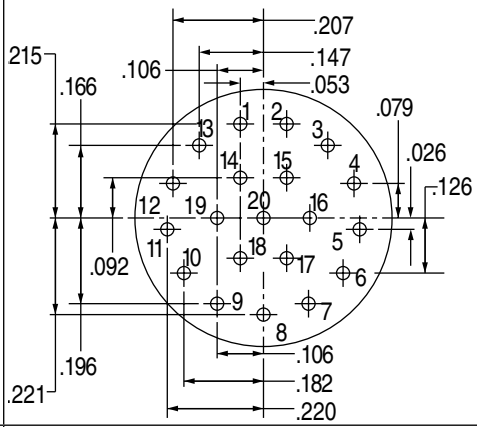
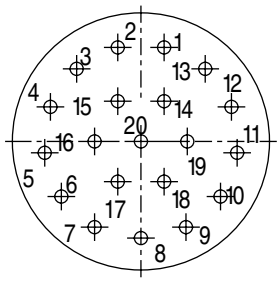
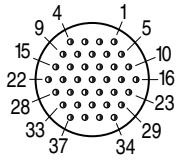
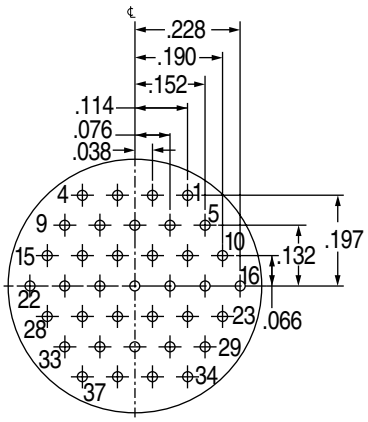
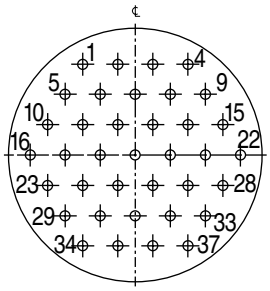
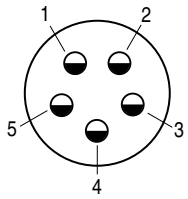
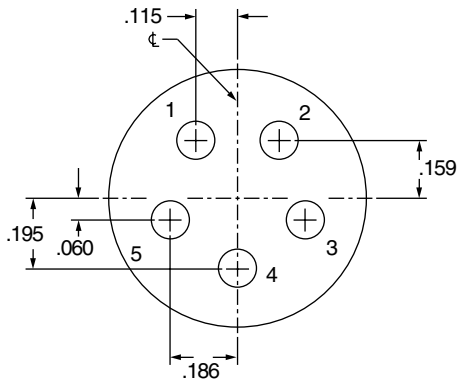
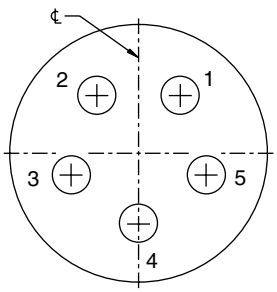
Straight PCB Footprints

Insert Arrangement	Pin Connector	Socket Connector
 10-5, 12-5 (5) #16 Contacts		
 10-201, 12-201 (2) #12 Contacts (4) #23 Contacts		
 10-202, 12-202 (2) #16 Contacts (8) #23 Contacts		
 10-200, 10-200 (1) #12 Contact (12) #23 Contacts		
 10-26, 12-26 (26) #23 Contacts .022 Max. Dia. Tail		

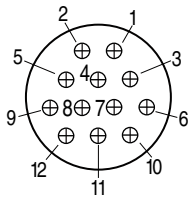
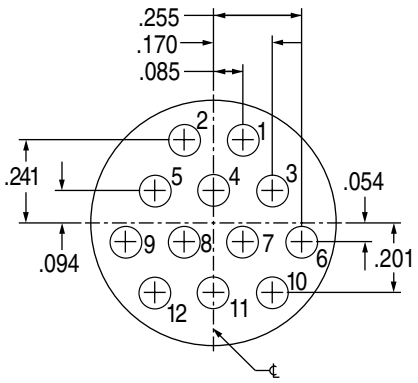
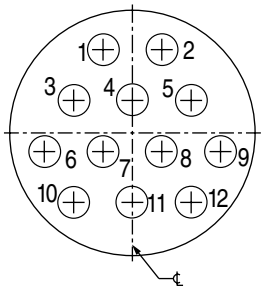
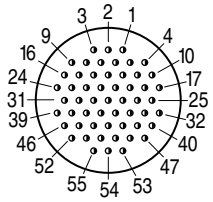
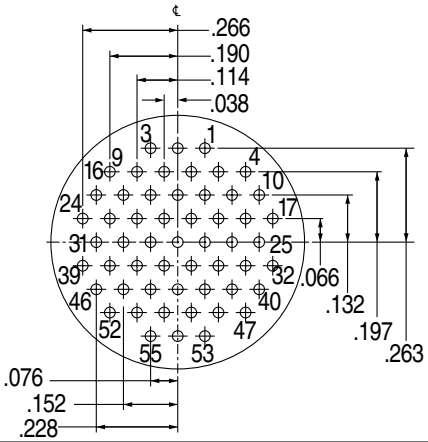
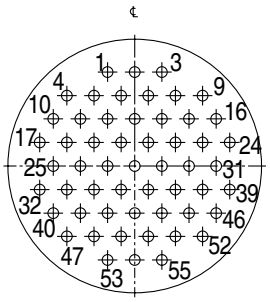
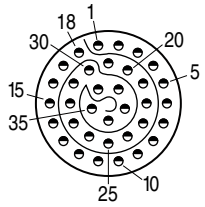
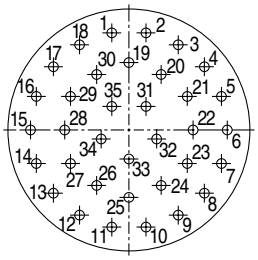
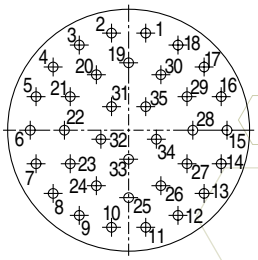
Straight PCB Footprints

Insert Arrangement	Pin Connector	Socket Connector
 12-2, 13-2, 15-2 (2) #12 Contacts		
 12-3, 13-3, 15-3 (3) #12 Contacts		
 12-7, 13-7, 15-7 (7) #16 Contacts		
 12-200, 13-200, 15-200 (2) #12 Contacts (6) #23 Contacts		

Straight PCB Footprints

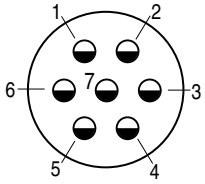
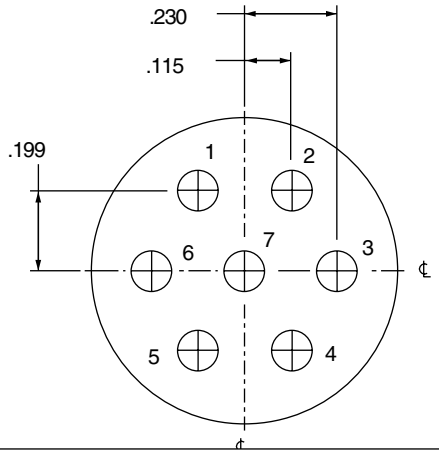
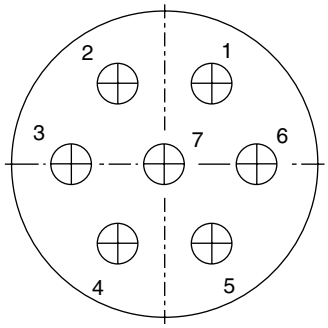
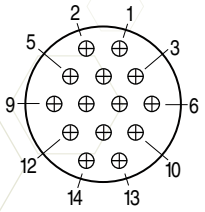
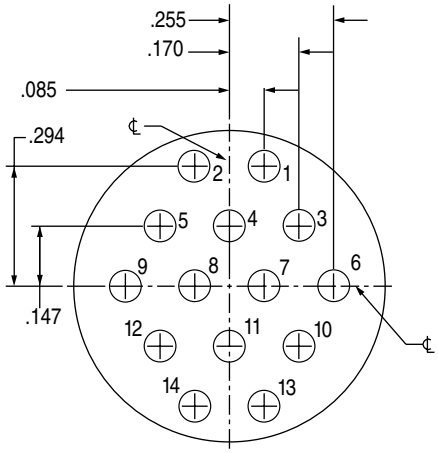
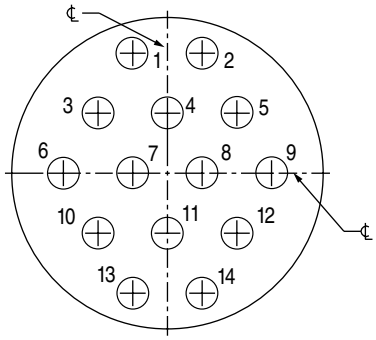
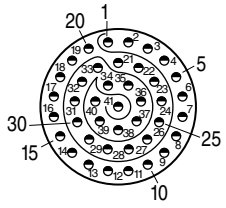
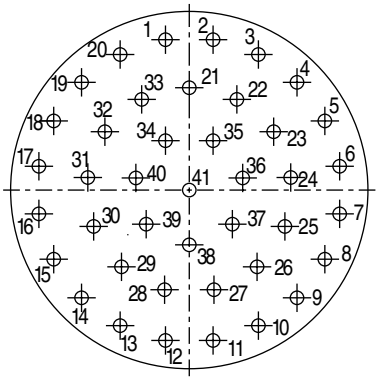
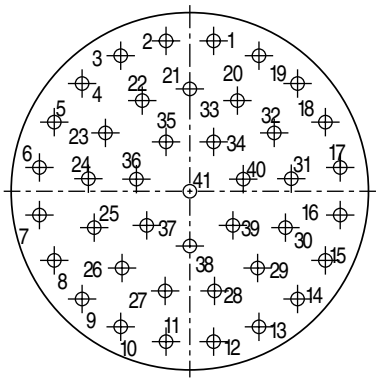
Insert Arrangement	Pin Connector	Socket Connector
 12-201, 13-201, 15-201 (2) #12 Contacts (10) #23 Contacts		
 12-220, 13-220, 15-220 (20) #20HD Contacts		
 12-37, 13-37, 15-37 (37) #23 Contacts .022 Max. Dia. Tail		
 14-5, 16-5, 18-5 (5) #12 Contacts		

Straight PCB Footprints

Insert Arrangement	Pin Connector	Socket Connector
 14-12, 16-12, 18-12 (12) #16 Contacts		
 14-55, 16-55, 18-55 (55) #23 Contacts .022 Max. Dia. Tail		
 14-235, 16-235, 18-235 (35) #20HD Contacts .023 Max. Dia. Tail		

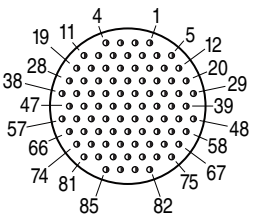
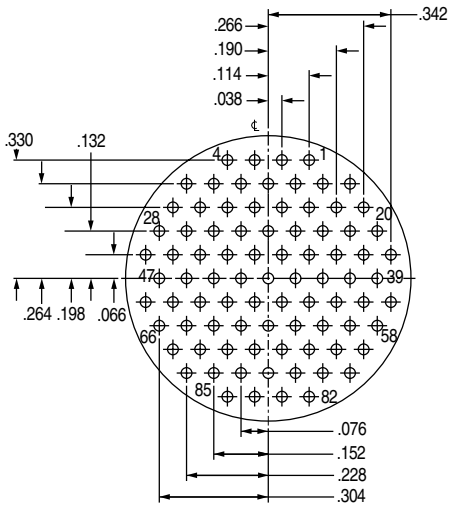
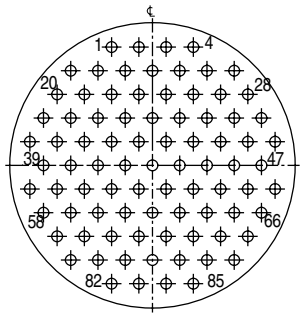
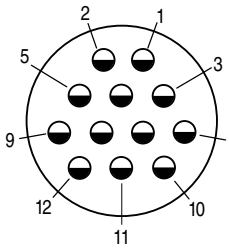
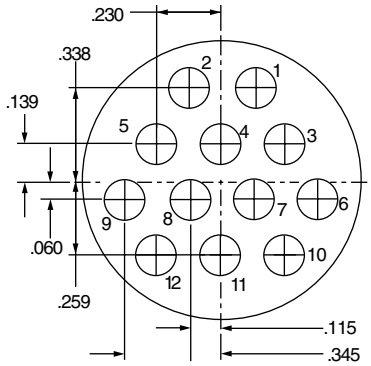
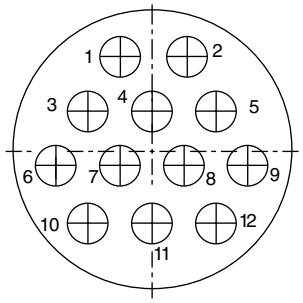
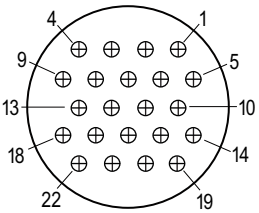
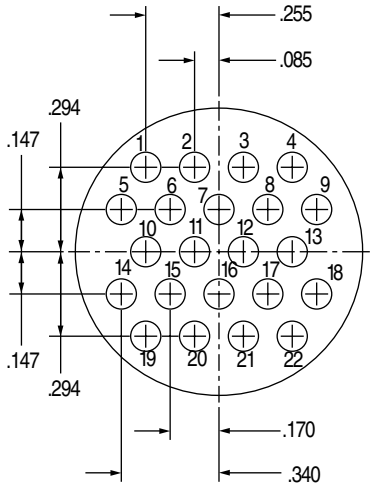
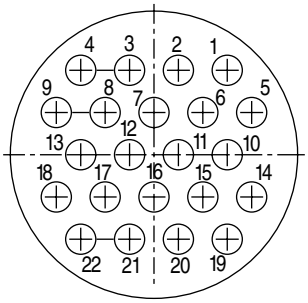
Pin. No.	X		Y		Pin. No.	X		Y		Pin. No.	X		Y	
	in.	mm.	in.	mm.		in.	mm.	in.	mm.		in.	mm.	in.	mm.
1	-.053	-1.35	.301	7.65	13	-.234	-5.94	-.196	-4.98	25	.000	0.00	-.209	-5.31
2	.053	1.35	.301	7.65	14	-.287	-7.29	-.104	-2.64	26	-.100	-2.54	-.172	-4.37
3	.153	3.89	.264	6.71	15	-.305	-7.75	.000	0.00	27	-.181	-4.60	-.104	-2.64
4	.234	5.94	.196	4.98	16	-.287	7.29	.104	2.64	28	-.199	-5.05	.000	0.00
5	.287	7.29	.104	2.64	17	-.234	-5.94	.196	4.98	29	-.181	-4.60	.104	2.64
6	.305	7.75	.000	0.00	18	-.153	-3.89	.264	6.71	30	-.100	-2.54	.172	4.37
7	.287	7.29	-.104	-2.64	19	.000	0.00	.209	5.31	31	-.053	-1.35	.073	1.85
8	.234	5.94	-.196	-4.98	20	.100	2.54	.172	4.37	32	.053	1.35	.073	1.85
9	.153	3.89	-.264	-6.71	21	.181	4.60	.104	2.64	33	.086	2.18	-.028	-0.71
10	.053	1.35	-.301	-7.65	22	.199	5.05	.000	0.00	34	.000	0.00	-.090	-2.29
11	-.053	-1.35	-.301	-7.65	23	.181	4.60	-.104	-2.64	35	-.086	-2.18	-.028	-0.71
12	-.153	-3.89	-.264	-6.71	24	.100	2.54	-.172	-4.37					

Straight PCB Footprints

Insert Arrangement	Pin Connector	Socket Connector
 15-7, 17-7, 19-7 (7) #12 Contacts		
 15-14, 17-14, 19-14 (14) #16 Contacts		
 15-241, 16-241, 18-241 (41) #20HD Contacts .028 Max. Dia. Tail		

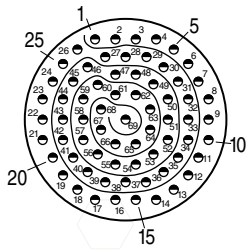
Pin. No.	X		Y		Pin. No.	X		Y		Pin. No.	X		Y	
	in.	mm.	in.	mm.		in.	mm.	in.	mm.		in.	mm.	in.	mm.
1	-.053	-1.35	.335	8.51	15	-.302	-7.67	-.154	-3.91	29	-.151	-3.84	-.171	-4.34
2	.053	1.35	.335	8.51	16	-.335	-8.51	-.053	-1.35	30	-.213	-5.41	-.081	-2.06
3	.154	391	.302	7.67	17	-.335	-8.51	.053	1.35	31	-.226	-5.74	.028	0.71
4	.240	6.10	.240	6.10	18	-.302	-7.67	.154	3.91	32	-.188	-4.78	.130	3.30
5	.302	7.67	.154	3.91	19	-.240	-6.10	.240	6.10	33	-.106	-2.69	.202	5.13
6	.335	8.51	.053	1.35	20	-.154	-3.91	.302	7.67	34	-.053	-1.35	.110	2.79
7	.335	8.51	-.053	-1.35	21	.000	0.00	.228	5.79	35	.053	1.35	.110	2.79
8	.302	7.67	-.154	-3.91	22	.106	2.69	.202	5.13	36	.119	3.02	.027	0.69
9	.240	6.10	-.240	-6.10	23	.188	4.78	.130	3.30	37	.096	2.44	-.076	-1.93
10	.154	3.91	-.302	-7.67	24	.226	5.74	.028	0.71	38	.000	0.00	-.122	-3.10
11	+ .053	+1.35	-.335	-8.51	25	.213	5.41	-.081	-2.06	39	-.096	-2.44	-.076	-1.93
12	-.053	-1.35	-.335	-6.51	26	.151	3.84	-.171	-4.34	40	-.119	-3.02	.027	0.69
13	-.154	-3.91	-.302	-7.67	27	.055	1.40	-.222	-5.64	41	.000	0.00	.000	0.00
14	-.240	-6.10	-.240	-6.10	28	-.055	-1.40	-.222	-5.64					

Straight PCB Footprints

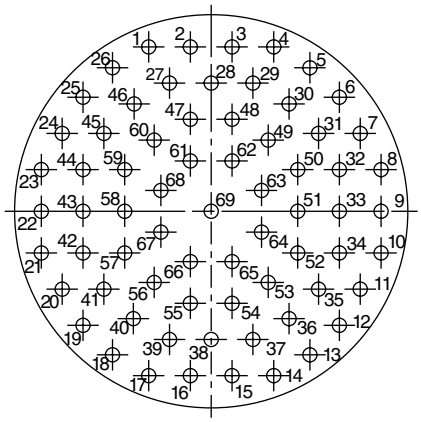
Insert Arrangement	Pin Connector	Socket Connector
 **17-85, 19-85** **(85) #23 Contacts** **.022 Max. Dia. Tail**		
 **21-12, 23-12** **(12) #12 Contacts**		
 **21-22, 23-22** **(22) #16 Contacts**		

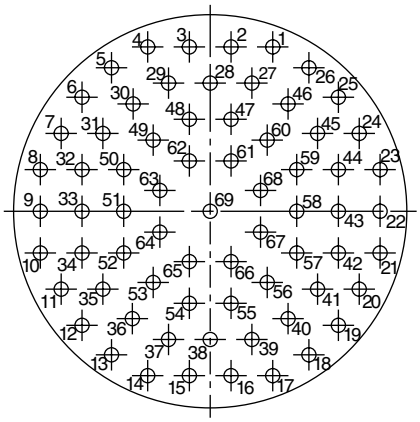
Straight PCB Footprints

Insert Arrangement	Pin Connector	Socket Connector



21-269, 23-269
(69) #20HD Contacts
.028 Max. Dia. Tail

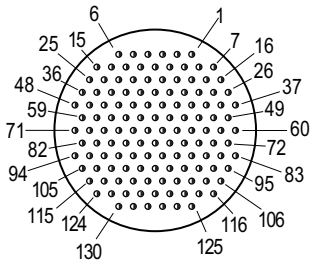




Pin. No.	X		Y		Pin. No.	X		Y		Pin. No.	X		Y	
	in.	mm.	in.	mm.		in.	mm.	in.	mm.		in.	mm.	in.	mm.
1	-.159	-4.04	.418	10.62	24	-.379	-9.63	.198	5.03	47	-.053	-1.35	.234	5.94
2	-.053	-1.35	.418	10.62	25	-.326	-8.28	.290	7.37	48	.053	1.35	.234	5.94
3	.053	1.35	.418	10.62	26	-.251	-6.38	.365	9.27	49	.145	3.68	.181	4.60
4	.159	4.04	.418	10.62	27	-.106	-2.69	.326	8.28	50	.220	5.59	.106	2.69
5	.251	6.38	.365	9.27	28	.000	0.00	.326	8.28	51	.220	5.59	.000	0.00
6	.326	8.28	.290	7.37	29	.106	-2.69	.326	8.28	52	.220	5.59	-.106	-2.69
7	.379	9.63	.198	5.03	30	.198	5.03	.273	6.93	53	.145	3.68	-.181	-4.60
8	.432	10.97	.106	2.69	31	.273	6.93	.198	5.03	54	.053	1.35	-.234	-5.94
9	.432	10.97	.000	0.00	32	.326	8.28	.106	2.69	55	-.053	-1.35	-.234	-5.94
10	.432	10.97	-.106	-2.69	33	.326	8.28	.000	0.00	56	-.145	-3.68	-.181	-4.60
11	.379	9.63	-.198	-5.03	34	.326	8.28	-.106	-2.69	57	-.220	-5.59	-.106	-2.69
12	.326	8.28	-.290	-7.37	35	.273	6.93	-.198	-5.03	58	-.220	-5.59	.000	0.00
13	.251	6.38	-.365	-9.27	36	.198	5.03	-.273	-6.93	59	-.220	-5.59	.106	2.69
14	.159	4.04	-.418	-10.62	37	.106	2.69	-.326	-8.28	60	-.145	-3.68	.181	4.60
15	.053	1.35	-.418	-10.62	38	.000	0.00	-.326	-8.28	61	-.053	-1.35	.128	3.25
16	-.053	-1.35	-.418	-10.62	39	-.106	-2.69	-.326	-8.28	62	.053	1.35	.128	3.25
17	-.159	-4.04	-.418	-10.62	40	-.198	-5.03	-.273	-6.93	63	.128	3.25	.053	1.35
18	-.251	-6.38	-.365	-9.27	41	-.273	-6.93	-.198	-5.03	64	.128	3.25	-.053	-1.35
19	-.326	-8.28	-.290	-7.37	42	-.326	-8.28	-.106	-2.69	65	.053	1.35	-.128	-3.25
20	-.379	-9.63	-.198	-5.03	43	-.326	-8.28	.000	0.00	66	-.053	-1.35	-.128	-3.25
21	-.432	-10.97	-.106	-2.69	44	-.326	-8.28	.106	2.69	67	-.128	-3.25	-.053	-1.35
22	.432	-10.97	.000	0.00	45	-.273	-6.93	.198	5.03	68	-.128	-3.25	.053	1.35
23	-.432	-10.97	.106	2.69	46	-.198	-5.03	.273	6.93	69	.000	0.00	.000	0.00

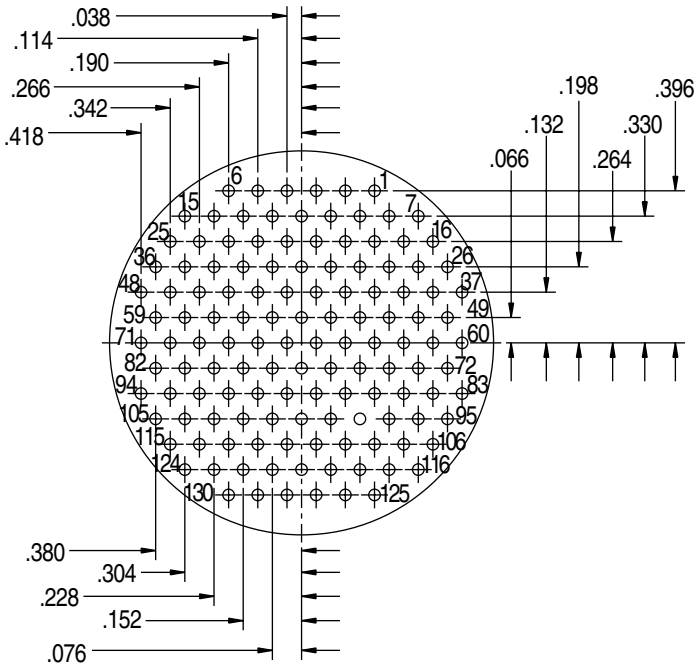
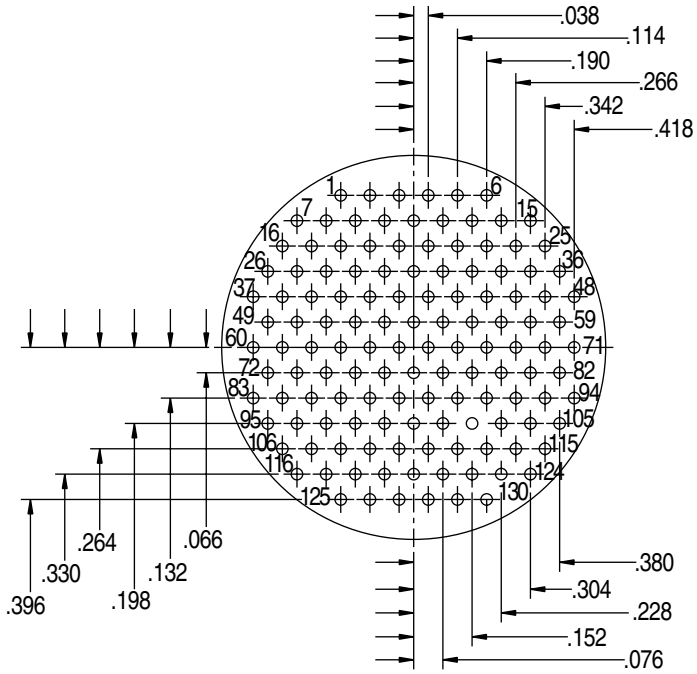
Straight PCB Footprints

Insert Arrangement



21-130, 23-130
(130) #23 Contacts
.022 Max. Dia Tail

Pin Connector



Socket Connector