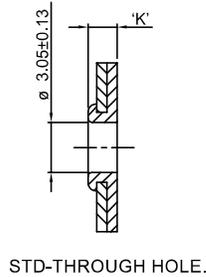
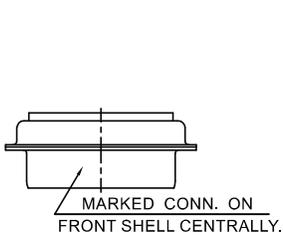
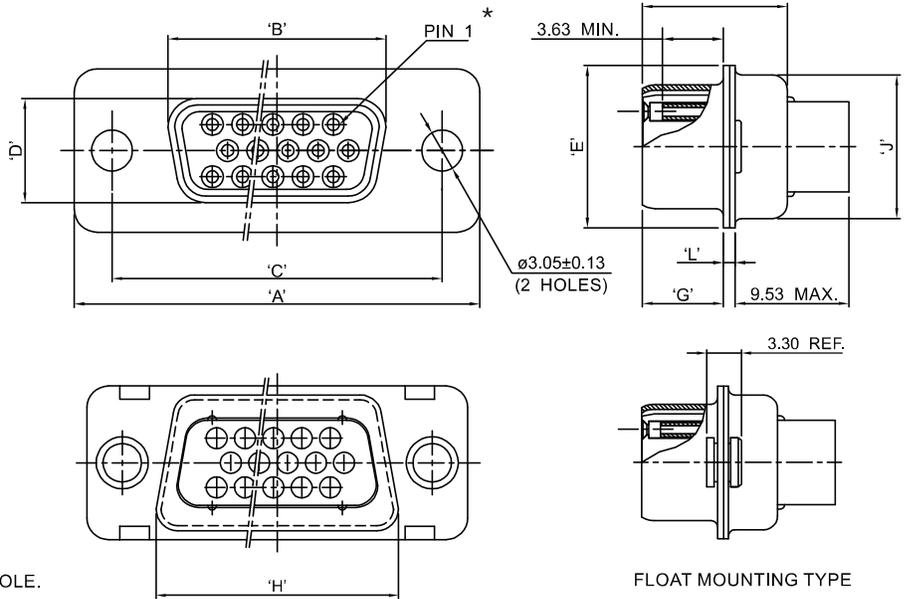


STANDARD DENSITY CRIMP-RECEPTACLE

M24308	/2	284	F
Military Designation	Connector Type	Dash Number	Finish
	2 - Receptacle Crimp Type Connector 4 - Plug Crimp Type Connector 6 - Receptacle Crimp Type Connector (With Nonmagnetic Shell) 8 - Plug Crimp Type Connector (With Nonmagnetic Shell)	Refer to Approved QPL Listing table starting on pgs. 32-41/42-50	F - Cadmium Yellow Passivated Z - Zinc Yellow Passivated K - Zinc Nickel Black None- Nickel



FLOAT MOUNTING TYPE

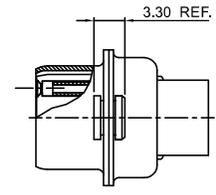
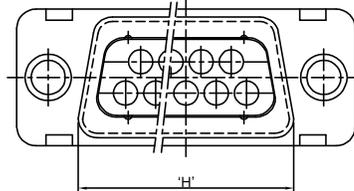
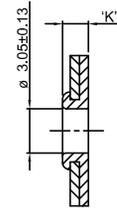
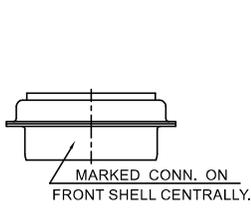
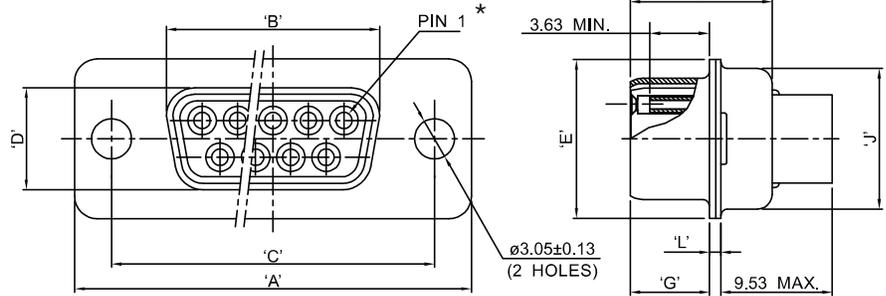
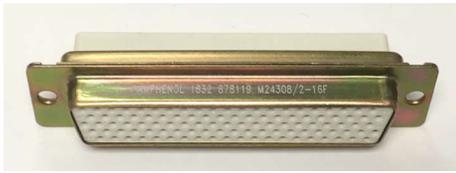
*Contacts shown for reference only

Dimensions (mm)												
Shell Size	Standard Density Contacts	A	B	C	D	E	F	G	H	J	K	L
1	09	30.43 31.19	16.21 16.46	24.87 25.1	7.67 8.03	12.17 12.93	10.64 11.15	6.05 6.30	19.02 19.53	10.46 10.97	0.89 1.52	0.51 1.02
2	15	38.76 39.52	24.54 24.79	33.20 33.45					27.25 27.76			0.51 1.02
3	25	52.65 53.42	38.25 38.51	46.91 47.17					41.02 41.53			0.74 1.25
4	37	68.94 69.70	54.71 54.97	63.37 63.63					57.45 57.96			0.74 1.25
5	50	66.55 67.31	52.30 52.55	60.99 min 61.24					10.62 10.87			14.99 15.75

* Dimensions A-L: Top # min., Bottom # max.

HIGH DENSITY CRIMP-RECEPTACLE

D-Sub Receptacle Assembly w/ Crimp Socket Contact



FLOAT MOUNTING TYPE

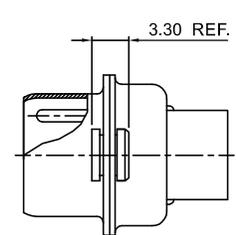
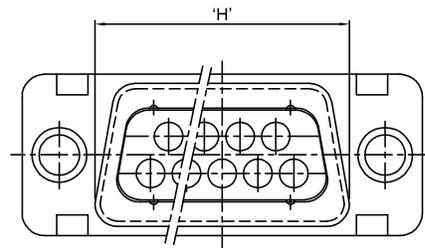
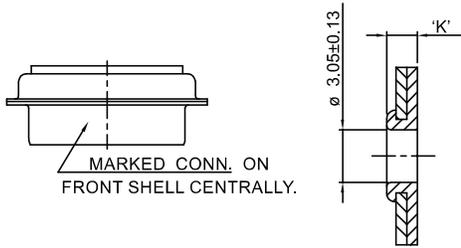
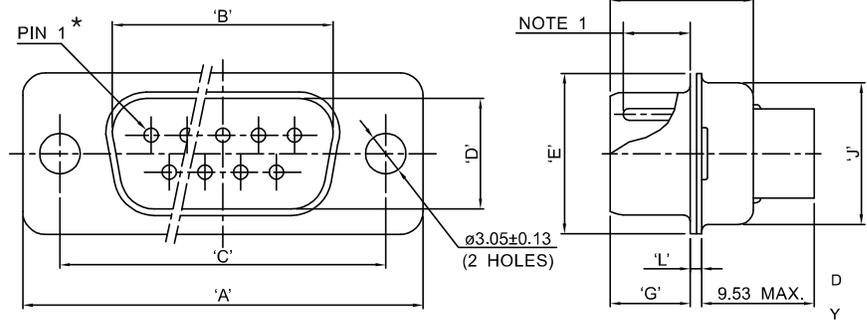
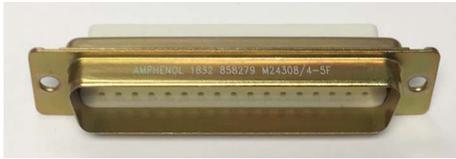
*Contacts shown for reference only

Dimensions (mm)															
Shell Size	High Density Contacts	A	B	C	D	E	F	G	H	J	K	L			
1	15	30.43 31.19	16.21 16.46	24.87 25.12	7.67 8.03	12.17 12.93	10.64 11.15	6.05 6.30	19.02 19.53	10.46 10.97	0.89 1.52	0.51 1.02			
2	26	38.76 39.52	24.54 24.79	33.20 33.45					27.25 27.76			0.51 1.02			
3	44	52.65 53.42	38.25 38.51	46.91 47.17					41.02 41.53			0.74 1.25			
4	62	68.94 69.70	54.71 54.97	63.37 63.63					57.45 57.96			0.74 1.25			
5	78	66.55 67.31	52.30 52.55	60.99 61.24					10.62 10.87			14.99 15.75	55.07 55.58	13.31 13.82	0.74 1.25
6	104	68.94 69.70	55.47 55.73	63.37 63.63					12.19 12.45			16.59 17.35	58.22 58.72	14.88 15.39	0.74 1.25

* Dimensions A-L: Top # min., Bottom # max.

STANDARD DENSITY CRIMP-PLUG

D-Sub Plug Assembly w/ Crimp Pin Contact



FLOAT MOUNTING TYPE

STD-THROUGH HOLE.

Note 1: Dimensions are 3.94 mm minimum (for size 3, 4, 5) and 4.17 mm minimum (for size 1, 2)

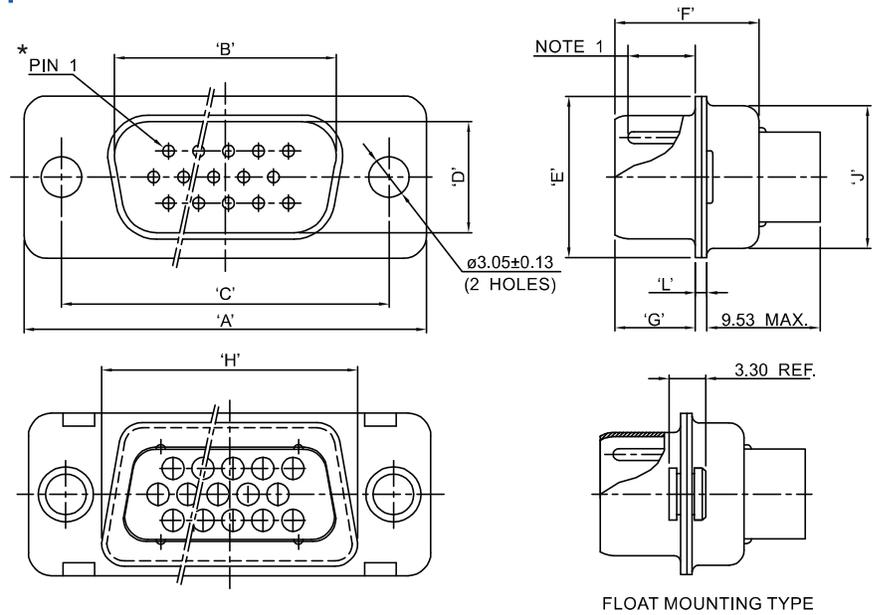
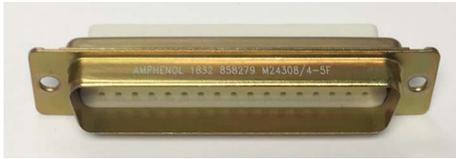
*Contacts shown for reference only

Dimensions (mm)												
Shell Size	Standard Density Contacts	A	B	C	D	E	F	G	H	J	K	L
1	09	30.43 31.19	16.79 17.04	24.87 25.12	8.23	12.17 12.93	10.46 10.97	5.82 6.12	19.02 19.53	10.46 10.97	0.89 1.52	0.51 1.02
2	15	38.76 39.52	25.12 25.37	33.20 33.45					27.25 27.76			
3	25	52.65 53.42	38.84 39.09	46.91 47.17			41.02 41.53					
4	37	68.94 69.70	55.30 55.55	63.37 63.63			57.45 57.96	1.27 1.78	1.27 1.78			
5	50	66.55 67.31	52.68 52.93	60.99 61.24			55.07 55.58				13.31 13.82	

* Dimensions A-L: Top # min., Bottom # max.

HIGH DENSITY CRIMP-PLUG

D-Sub Plug Assembly w/ Crimp Pin Contact



STD-THROUGH HOLE.

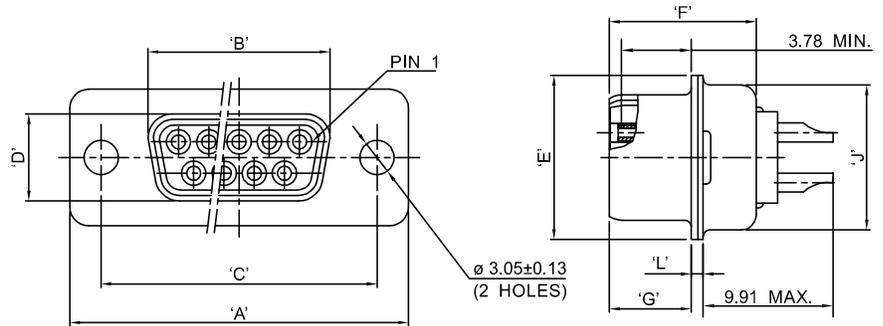
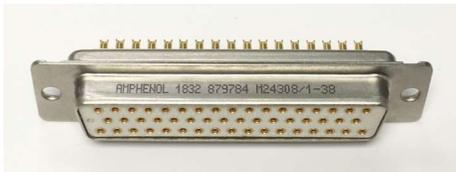
Note 1: Dimensions are 3.94 mm minimum (for size 3, 4, 5) and 4.17 mm minimum (for size 1, 2)
 *Contacts shown for reference only

Dimensions (mm)												
Shell Size	High Density Contacts	A	B	C	D	E	F	G	H	J	K	L
1	15	30.43 31.19	16.79 17.04	24.87 25.12	8.23 8.48	12.17 12.93	10.64 10.97	5.82 6.12	19.02 19.53	10.46 10.97	0.89 1.52	0.51 1.02
2	26	38.76 39.52	25.12 25.37	33.20 33.45					27.25 27.76			
3	44	52.65 53.42	38.84 39.09	46.91 47.17	10.57 11.07	14.99 15.75	5.99 5.69	41.02 41.53	13.31 13.82	1.27 1.78	0.74 1.25	
4	62	68.94 69.70	55.30 55.55	63.37 63.63				57.45 57.96				
5	78	66.55 67.31	52.68 52.93	60.99 61.24	12.65 12.90	16.59 17.35	58.22 58.72	55.07 55.58	14.88 15.39			
6	104	68.94 69.70	56.06 56.31	63.37 63.63				58.22 58.72				

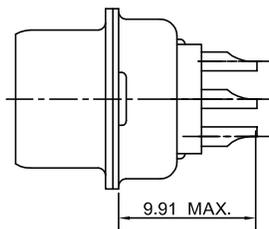
* Dimensions A-L: Top # min., Bottom # max.

STANDARD DENSITY SOLDER CUP-RECEPTACLE

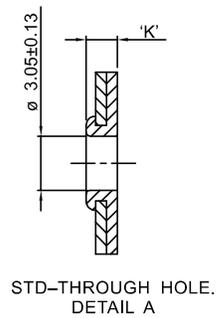
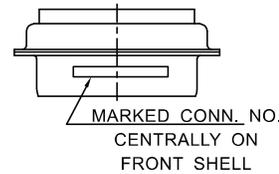
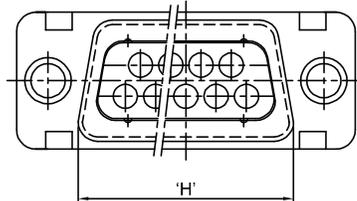
M24308	/1	2	K
Military Designation	Connector Type	Dash Number	Finish
	1 - Receptacle Solder Cup Connector 3 - Plug Solder Cup Connector 5 - Receptacle Solder Cup Connector (With Nonmagnetic Shell) 7 - Plug Solder Cup Connector (With Nonmagnetic Shell)	Refer to Approved QPL Listing table starting on pgs. 31-32/41-42	F - Cadmium Yellow Passivated Z - Zinc Yellow Passivated K - Zinc Nickel Black None - Nickel



09 TO 37 PIN



50 PIN (3 ROWS)



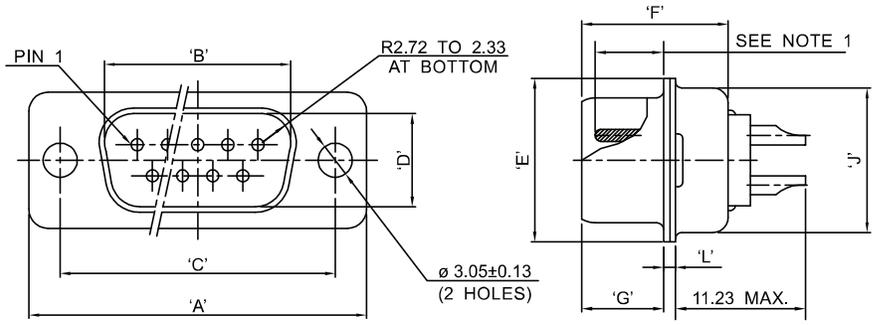
Note 1: Dimensions are 3.94 mm minimum (for size 3, 4, 5) and 4.17 mm minimum (for size 1, 2)

Dimensions (mm)												
Shell Size	Standard Density Contacts	A	B	C	D	E	F	G	H	J	K	L
1	09	30.43 31.19	16.21 16.46	24.87 25.12	7.67 8.03	12.17 12.93	10.64 11.15	6.05 6.30	19.02 19.53	10.46 10.97	0.89 1.52	0.51 1.02
2	15	38.76 39.52	24.54 24.79	33.20 33.45					27.25 27.76			
3	25	52.65 53.42	38.25 38.51	46.91 47.17					41.02 41.53			
4	37	68.94 69.70	54.71 54.97	63.37 63.63					57.45 57.96			
5	50	66.55 67.31	52.30 52.55	60.99 61.24					10.62 10.87			

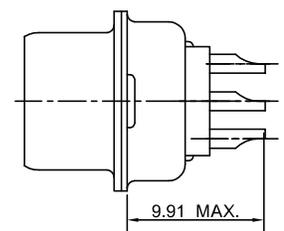
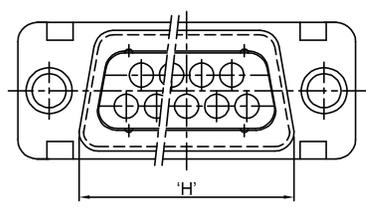
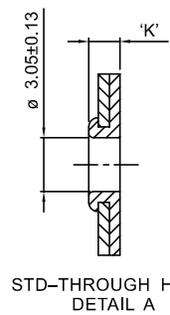
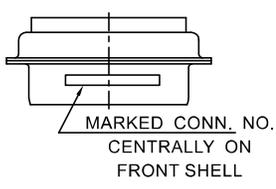
* Dimensions A-L: Top # min., Bottom # max.

STANDARD DENSITY SOLDER CUP-PLUG

Pin Contact



09 TO 37 PIN



50 PIN (3 ROWS)

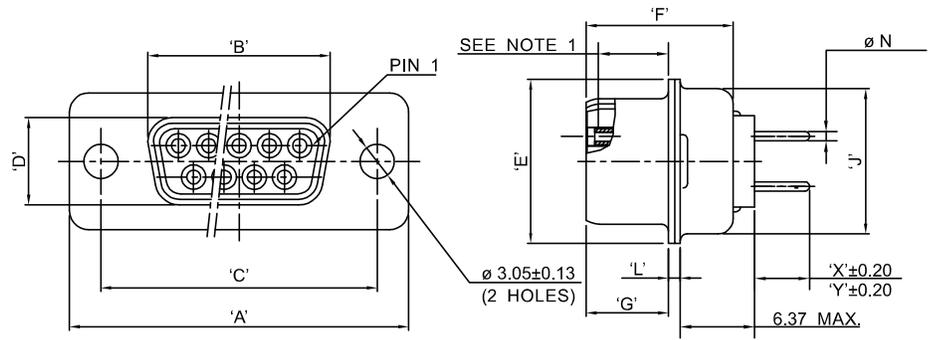
Note 1: Dimensions are 3.81 mm minimum (for size 3, 4, 5) and 4.04 mm minimum (for size 1, 2)

Dimensions (mm)													
Shell Size	Standard Density Contacts	A	B	C	D	E	F	G	H	J	K	L	
1	09	30.43 31.19	16.79 17.04	24.87 25.12	8.23 8.48	12.17 12.93	10.46 10.97	5.82 6.05	19.02 19.53	10.46 10.97	0.89 1.52	0.51 1.02	
2	15	38.76 39.52	25.12 25.37	33.20 33.45					27.25 27.76				
3	25	52.65 53.42	38.84 39.09	46.91 47.17			10.57 11.07	5.69 5.99	41.02 41.53		1.27 1.78	13.31 13.82	0.74 1.24
4	37	68.94 69.70	55.30 55.55	63.37 63.63					57.45 57.96				
5	50	66.55 67.31	52.68 52.93	60.99 61.24			11.07 11.33	14.99 15.75	55.07 55.58		55.07 55.58		

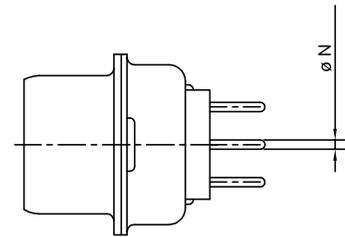
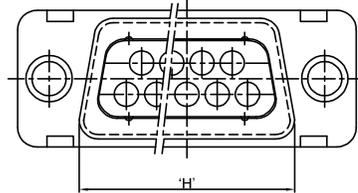
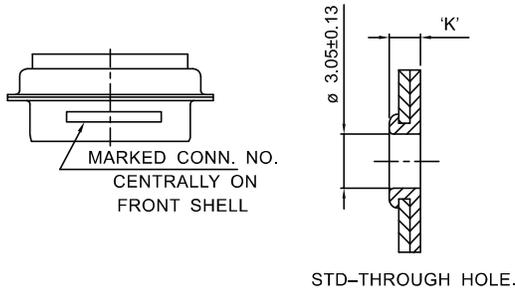
* Dimensions A-L: Top # min., Bottom # max.

STANDARD DENSITY STRAIGHT PC TAIL-RECEPTACLE

M24308	/23	63	Z
Military Designation	Connector Type	Dash Number	Finish
	23: Receptacle Straight/Right Angle PC Tail 24: Plug Straight/Right Angle PC Tail	Refer to Approved QPL Listing table starting on pgs. 64-74/74-84	F - Cadmium Yellow Passivated Z - Zinc Yellow Passivated None- Gold None- Nickel K- Zinc Nickel



09 TO 37 PIN



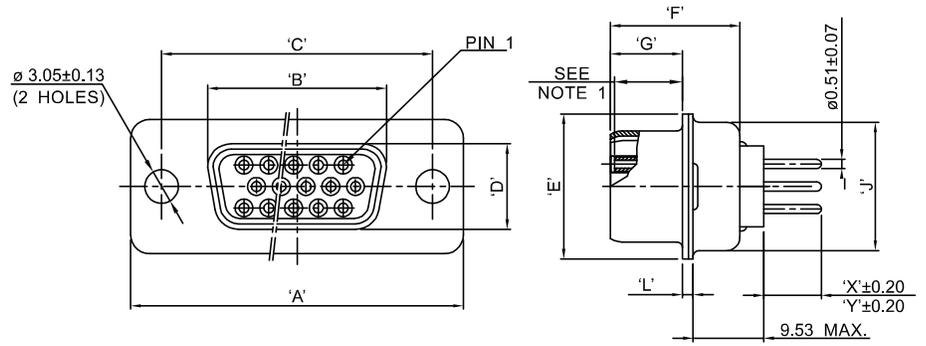
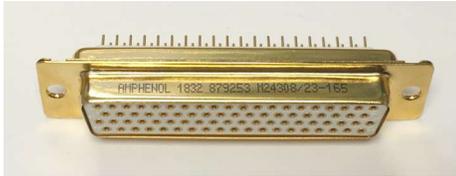
50 PIN (3 ROWS)

Note 1: Dimensions are 3.63 mm minimum (for size 1, 2, 3, 4, 5)

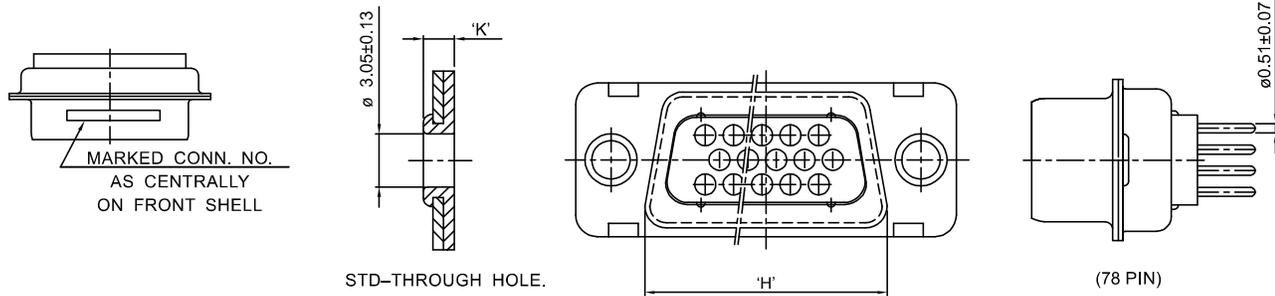
Dimensions (mm)														
Shell Size	Standard Density Contacts	A	B	C	D	E	F	G	H	J	K	L	X	Y
1	09	30.43 31.19	16.21 16.46	24.87 25.12	7.77 8.03	12.17 12.93	10.64 11.15	6.06 6.30	19.02 19.53	10.46 10.97	0.89 1.52	0.51 1.02	4.00	4.70
2	15	38.76 39.52	24.54 24.79	33.20 33.45					27.25 27.76					
3	25	52.65 53.42	38.25 38.51	46.91 47.17					41.02 41.53					
4	37	68.94 69.70	54.71 54.97	63.37 63.63					57.45 57.96					
5	50	66.55 67.31	52.30 52.55	60.99 61.24					55.07 55.58					

* Dimensions A-L: Top # min., Bottom # max.

HIGH DENSITY STRAIGHT PC TAIL-RECEPTACLE



(15 TO 62 PIN)



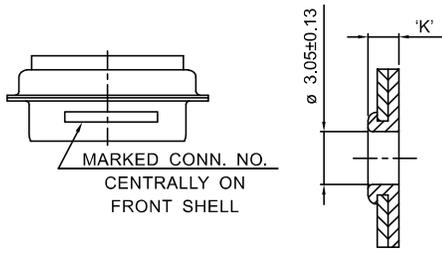
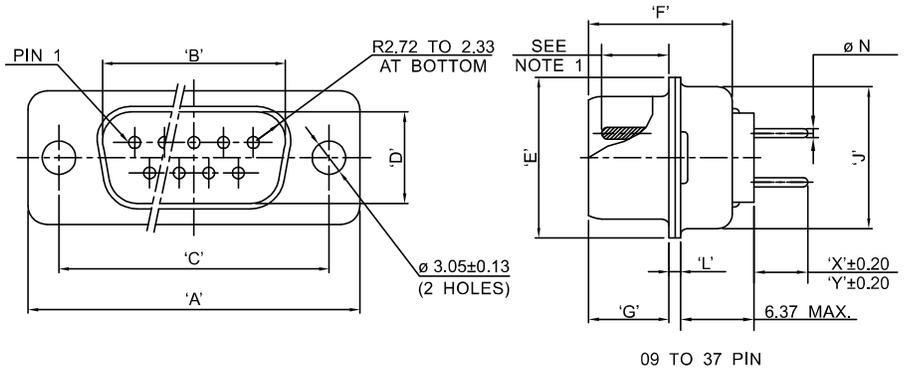
(78 PIN)

Note 1: Dimensions are 3.63 mm minimum (for size 1, 2, 3, 4, 5)

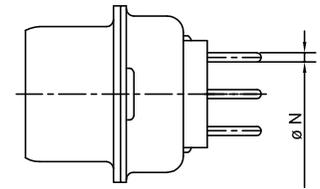
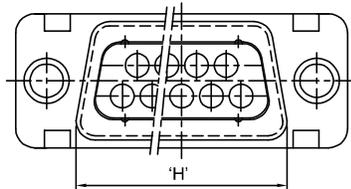
Dimensions (mm)														
Shell Size	High Density Contacts	A	B	C	D	E	F	G	H	J	K	L	X	Y
1	15	30.43 31.19	16.21 16.46	24.87 25.12	7.77 8.03	12.17 12.93	10.64 11.15	6.05 6.30	19.02 19.53	10.46 10.97	0.89 1.52	0.51 1.02	4.00	7.56
2	26	38.76 39.52	24.54 24.79	33.20 33.45					27.25 27.76					
3	44	52.65 53.42	38.25 38.51	46.91 47.17					41.02 41.53					
4	62	68.94 69.70	54.71 54.97	63.37 63.63					57.45 57.96					
5	78	66.55 67.31	52.30 52.55	60.99 61.24	10.62 10.87	14.99 15.75			55.07 55.58	13.31 13.82				

* Dimensions A-L: Top # min., Bottom # max.

STANDARD DENSITY STRAIGHT PC TAIL-PLUG



STD-THROUGH HOLE.



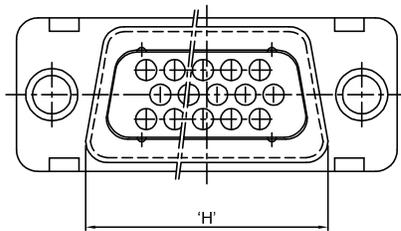
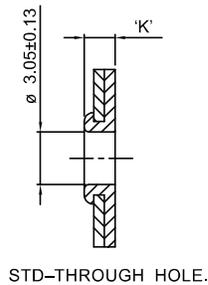
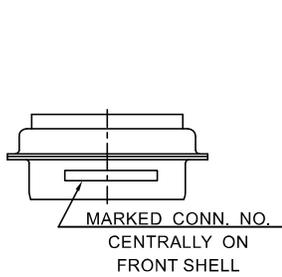
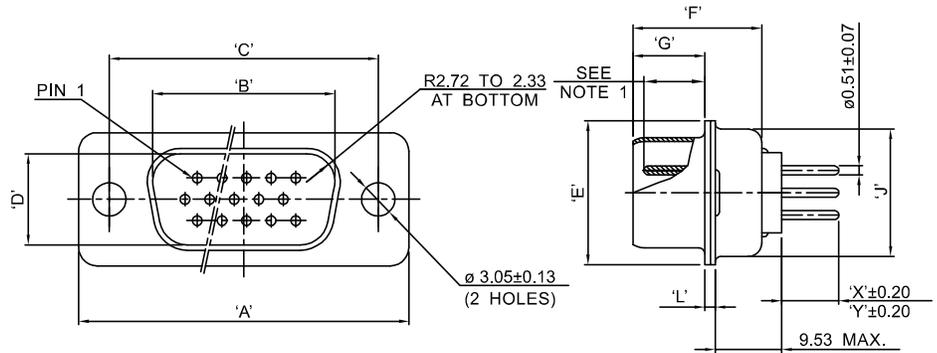
50 PIN (3 ROWS)

Note 1: Dimensions are 3.81 mm minimum (for size 3, 4, 5) and 4.04 mm minimum (for size 1, 2)

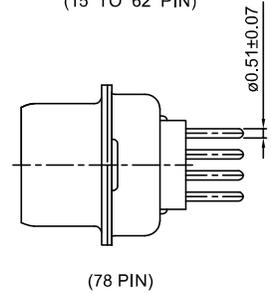
Dimensions (mm)														
Shell Size	Standard Density Contacts	A	B	C	D	E	F	G	H	J	K	L	X	Y
1	09	30.43 31.19	16.79 17.04	24.87 25.12	8.23 8.48	12.17 12.93	10.46 10.97	5.82 6.05	19.02 19.53	10.46 10.97	0.89 1.52	0.51 1.02	4.00	4.70
2	15	38.76 39.52	25.12 25.37	33.20 33.45					27.25 27.76					
3	25	52.65 53.42	38.84 39.09	46.91 47.17			41.02 41.53							
4	37	68.94 69.70	55.30 55.55	63.37 63.63			57.45 57.96	10.57 11.07	5.69 5.99		1.27 1.78	0.74 1.24		
5	50	66.55 67.31	52.68 52.93	60.99 61.24			11.07 11.33	14.99 15.75	55.07 55.58		13.31 13.82			

* Dimensions A-L: Top # min., Bottom # max.

HIGH DENSITY STRAIGHT PC TAIL-PLUG



(15 TO 62 PIN)



(78 PIN)

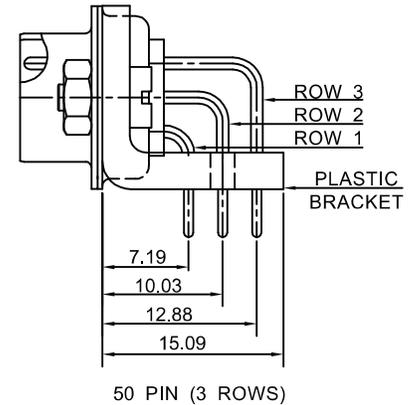
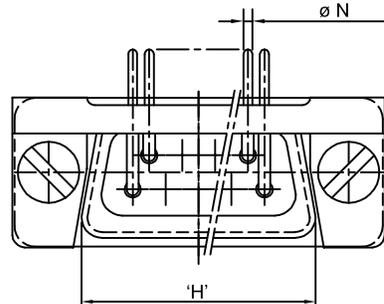
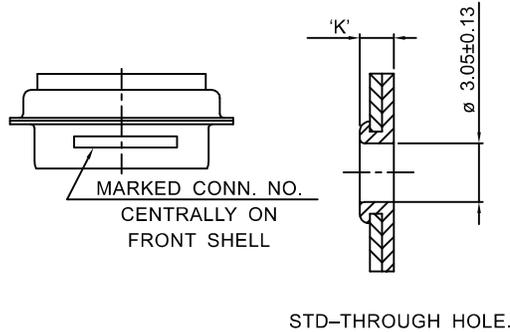
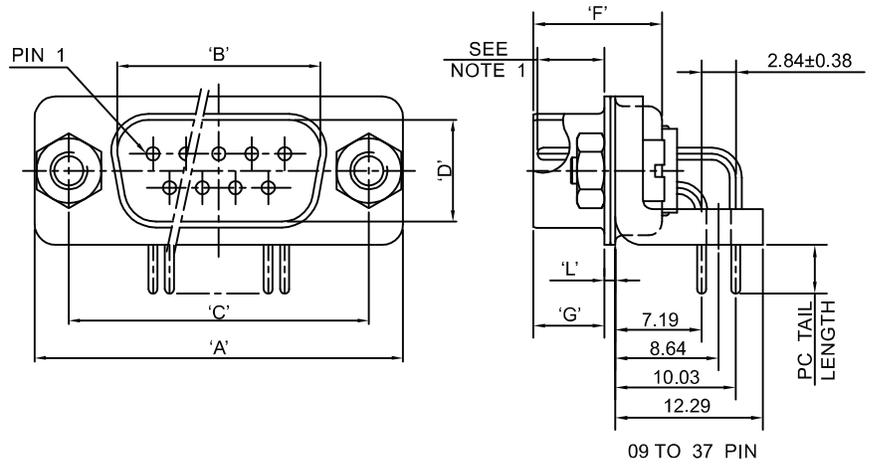
Note 1: Dimensions are 3.81 mm minimum (for size 3, 4, 5) and 4.04 mm minimum (for size 1, 2)

Dimensions (mm)														
Shell Size	High Density Contacts	A	B	C	D	E	F	G	H	J	K	L	X	Y
1	15	30.43 31.19	16.79 17.04	24.87 25.12	8.23 8.48	12.17 12.93	10.46 10.97	5.82 6.05	19.02 19.53	10.46 10.97	0.89 1.52	0.51 1.02	4.00	7.56
2	26	38.76 39.52	25.12 25.37	33.20 33.45					27.25 27.76					
3	44	52.65 53.42	38.84 39.09	46.91 47.17			41.02 41.53							
4	62	68.94 69.70	55.30 55.55	63.37 63.63			10.57 11.07	5.69 5.99	57.45 57.96		1.27 1.78	0.74 1.24		
5	78	66.55 67.31	52.68 52.93	60.99 61.24			11.07 11.33	14.99 15.75	55.07 55.58		13.31 13.82			

* Dimensions A-L: Top # min., Bottom # max.

STANDARD DENSITY RIGHT ANGLE PC TAIL-RECEPTACLE

M24308	/23	257	F
Military Designation	Connector Type	Dash Number	Finish
	23: Receptacle Straight/Right Angle PC Tail type 24: Plug Straight/Right Angle PC Tail type	Refer to Approved QPL Listing table starting on pgs. 31-32/41-42	F - Cadmium Yellow Passivated Z - Zinc Yellow Passivated None- Gold None- Nickel K- Zinc Nickel

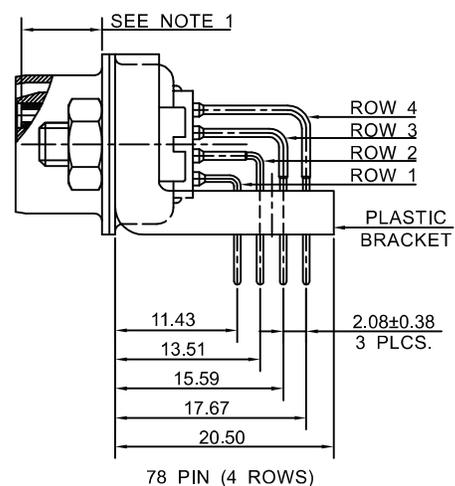
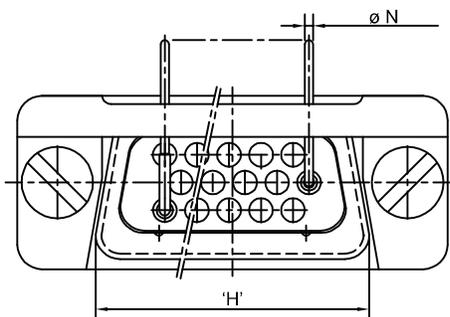
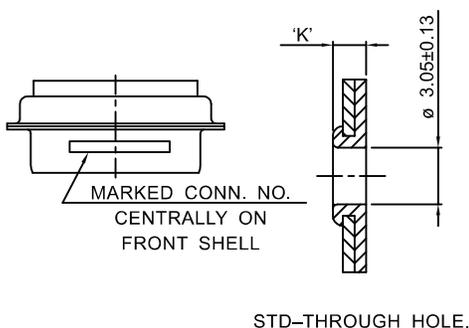
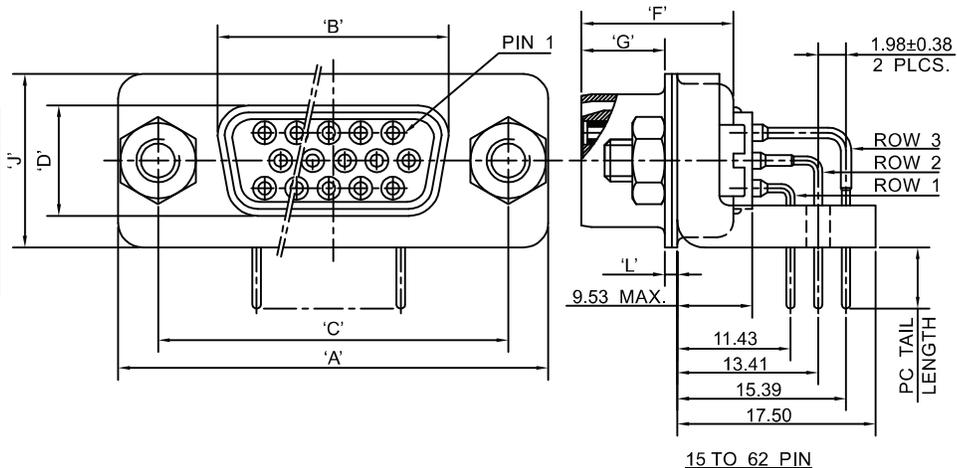
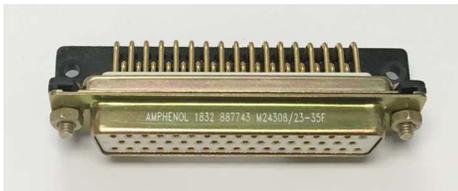


Note 1: Dimensions are 3.63 mm minimum (for size 1, 2, 3, 4, 5)

Dimensions (mm)															
Shell Size	Standard Density Contacts	A	B	C	D	E	F	G	H	J	K	L	PC Tail Length		
													X	Y	Z
1	09	30.43 31.19	16.21 16.46	24.87 25.12	7.77 8.03	12.17 12.93	10.64 11.15	6.05 6.30	19.02 19.53	10.46 10.97	0.89 1.52	0.51 1.02	3.30 4.70	3.94 5.33	2.51 3.91
2	15	38.76 39.52	24.54 24.79	33.20 33.45					27.25 27.76						
3	25	52.65 53.42	38.25 38.51	46.91 47.17					41.02 41.53						
4	37	68.94 69.70	54.71 54.97	63.37 63.63					57.45 57.96						
5	50	66.55 67.31	52.30 52.55	60.99 61.24					10.62 10.87						

* Dimensions A-L: Top # min., Bottom # max.

HIGH DENSITY RIGHT ANGLE PC TAIL-RECEPTACLE

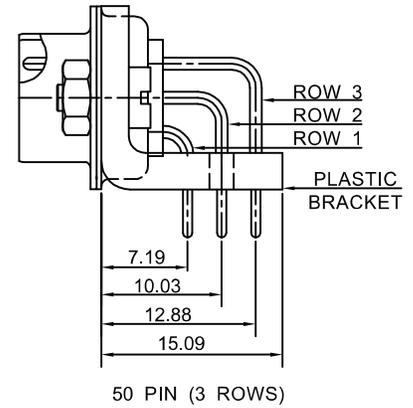
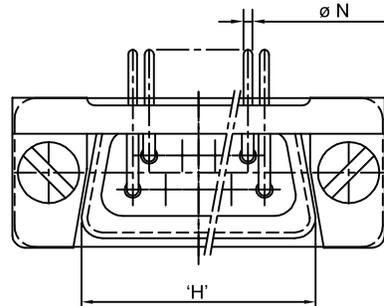
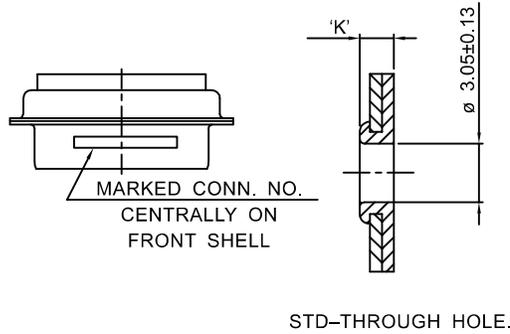
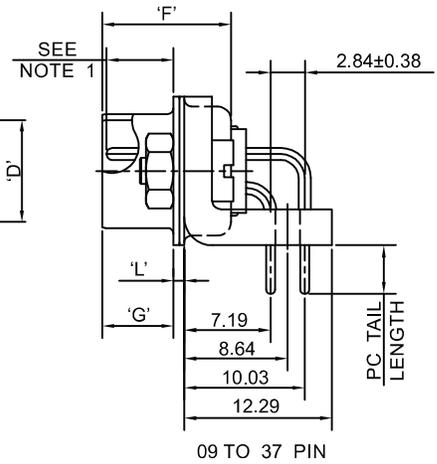
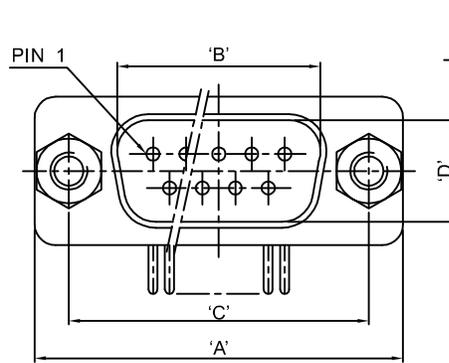


Note 1: Dimensions are 3.63 mm minimum (for size 1, 2, 3, 4, 5)

Dimensions (mm)													
Shell Size	High Density Contacts	A	B	C	D	E	F	G	H	J	K	L	PC Tail Length
													X
1	15	30.43 31.19	16.21 16.46	24.87 25.12	7.77 8.03	12.17 12.93	10.64 11.15	6.05 6.30	19.02 19.53	10.46 10.97	0.89 1.52	0.51 1.02	2.51 3.91
2	26	38.76 39.52	24.54 24.79	33.20 33.45									
3	44	52.65 53.42	38.25 38.51	46.91 47.17									
4	62	68.94 69.70	54.71 54.97	63.37 63.63									
5	78	66.55 67.31	52.30 52.55	60.99 61.24									

* Dimensions A-L: Top # min., Bottom # max.

STANDARD DENSITY RIGHT ANGLE PC TAIL-PLUG

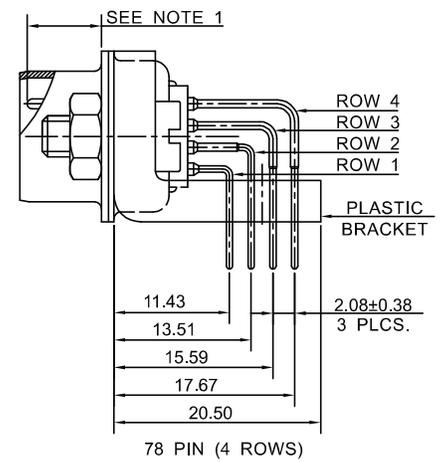
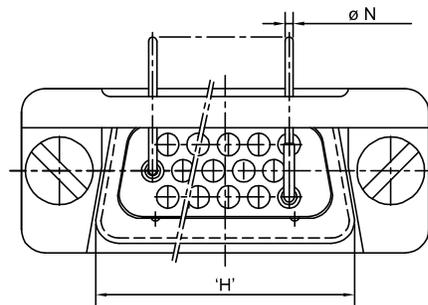
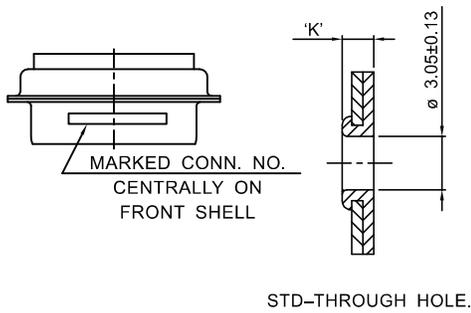
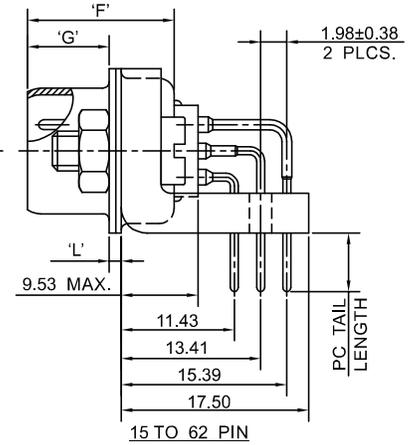
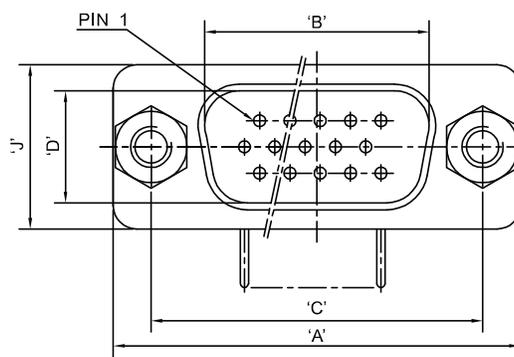


Note 1: Dimensions are 3.81 mm minimum (for size 3, 4, 5) and 4.04 mm minimum (for size 1, 2)

Dimensions (mm)															
Shell Size	Standard Density Contacts	A	B	C	D	E	F	G	H	J	K	L	PC Tail Length		
													X	Y	Z
1	09	30.43 31.19	16.79 17.04	24.87 25.12	8.23 8.48	12.17 12.93	10.46 10.97	5.82 6.05	19.02 19.53	10.46 10.97	0.89 1.52	0.51 1.02	3.30 4.70	3.94 5.33	2.51 3.91
2	15	38.76 39.52	25.12 25.37	33.20 33.45											
3	25	52.65 53.42	38.84 39.09	46.91 47.17			41.02 41.53								
4	37	68.94 69.70	55.30 55.55	63.37 63.63			10.57 11.07	5.69 5.99	57.45 57.96		1.27 1.78	0.74 1.24			
5	50	66.55 67.31	52.68 52.93	60.99 61.24			11.07 11.33	14.99 15.75	55.07 55.58		13.31 13.82				

* Dimensions A-L: Top # min., Bottom # max.

HIGH DENSITY RIGHT ANGLE PC TAIL-PLUG



Note 1: Dimensions are 3.81 mm minimum (for size 3, 4, 5) and 4.04 mm minimum (for size 1, 2)

Dimensions (mm)													
Shell Size	High Density Contacts	A	B	C	D	E	F	G	H	J	K	L	PC Tail Length
													X
1	15	30.43 31.19	16.79 17.04	24.87 25.12	8.23 8.48	12.17 12.93	10.46 10.97	5.82 6.12	19.02 19.53	10.46 10.97	0.89 1.52	0.51 1.02	2.51 3.91
2	26	38.76 39.52	25.12 25.37	33.20 33.45									
3	44	52.65 53.42	38.84 39.09	46.91 47.17			55.07 55.58	57.45 57.96	41.02 41.53		1.27 1.78	0.74 1.24	
4	62	68.94 69.70	55.30 55.55	63.37 63.63									
5	78	66.55 67.31	52.68 52.93	60.99 61.24			11.07 11.33	14.99 15.75	13.31 13.82				

* Dimensions A-L: Top # min., Bottom # max.