

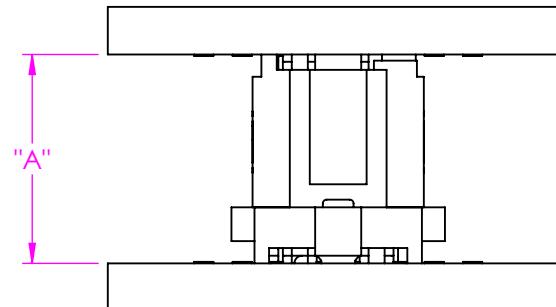
DO NOT  
SCALE FROM  
THIS PRINTDESIGNED & DIMENSIONED  
IN INCHES [MILLIMETERS]FIGURE 1  
SEAF MATED WITH SEAM

TABLE 1

SEAF LEAD STYLE

		WIPE									
		-05.0		-06.0		-06.5		-07.5			
		"A" FULLY MATED	"A" MAX	FULLY MATED	MIN @ "A" MAX						
SEAM LEAD STYLE	-02.0	.276 [7.00]	.305 [7.74]	.315 [8.00]	.344 [8.74]	.335 [8.50]	.364 [9.24]	.374 [9.50]	.403 [10.24]	.403 [10.24]	.044 [1.12]
	-03.0	.315 [8.00]	.344 [8.74]	.354 [9.00]	.383 [9.74]	.374 [9.50]	.403 [10.24]	.413 [10.50]	.442 [11.24]	.442 [11.24]	.044 [1.12]
	-03.5	.335 [8.50]	.364 [9.24]	.374 [9.50]	.403 [10.24]	.394 [10.00]	.423 [10.74]	.433 [11.00]	.462 [11.74]	.462 [11.74]	.044 [1.12]
	-06.5	.453 [11.50]	.482 [12.24]	.492 [12.50]	.521 [13.24]	.512 [13.00]	.541 [13.74]	.551 [14.00]	.580 [14.74]	.580 [14.74]	.044 [1.12]
	-07.0	.472 [12.00]	.501 [12.74]	.512 [13.00]	.541 [13.74]	.532 [13.50]	.561 [14.24]	.571 [14.50]	.600 [15.24]	.600 [15.24]	.044 [1.12]
	-09.0	.551 [14.00]	.580 [14.74]	.591 [15.00]	.620 [15.74]	.610 [15.50]	.639 [16.24]	.650 [16.50]	.679 [17.24]	.679 [17.24]	.044 [1.12]
	-11.0	.630 [16.00]	.659 [16.74]	.669 [17.00]	.698 [17.74]	.689 [17.50]	.718 [18.24]	.728 [18.50]	.757 [19.24]	.757 [19.24]	.044 [1.12]
	*-13.0	.709 [18.00]	.738 [18.74]	.748 [19.00]	.777 [19.74]	.768 [19.50]	.797 [20.24]	.807 [20.50]	.836 [21.24]	.836 [21.24]	.044 [1.12]

\* = NOT TOOLED

## NOTES:

1. ALL DIMENSIONS BASED ON NOMINAL VALUES FOR SAMTEC RECOMMENDED PCB LAYOUTS.
2. ALTHOUGH MAX DIMENSIONS ARE LISTED SAMTEC RECOMMENDS FULLY MATING COMPONENTS.

**FIGURE 2**

SEAF MATED WITH SEAM-RA

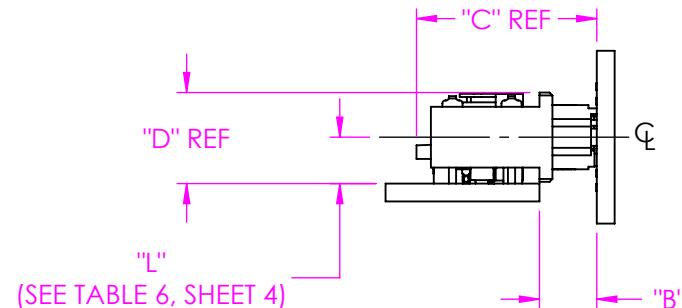


TABLE 2

		SEAF LEAD STYLE								WPE	
		-05.0		-06.0		-06.5		-07.5			
		"B" FULLY MATED	"B" MAX	"B" FULLY MATED	"B" MAX	"B" FULLY MATED	"B" MAX	"B" FULLY MATED	"B" MAX	FULLY MATED	MIN @ "B" MAX
SEAM-RA No OF ROWS	-04	.199 [5.05]	.228 [5.79]	.238 [6.05]	.267 [6.79]	.258 [6.55]	.287 [7.29]	.297 [7.55]	.326 [1.12]	.044 [1.12]	.015 [0.38]
	-06	.199 [5.05]	.228 [5.79]	.238 [6.05]	.267 [6.79]	.258 [6.55]	.287 [7.29]	.297 [7.55]	.326 [8.29]	.044 [1.12]	.015 [0.38]
	-08	.199 [5.05]	.228 [5.79]	.238 [6.05]	.267 [6.79]	.258 [6.55]	.287 [7.29]	.297 [7.55]	.326 [8.29]	.044 [1.12]	.015 [0.38]
	-10	.199 [5.05]	.228 [5.79]	.238 [6.05]	.267 [6.79]	.258 [6.55]	.287 [7.29]	.297 [7.55]	.326 [8.29]	.044 [1.12]	.015 [0.38]

TABLE 3

		SEAF LEAD STYLE								"D"	
		-05.0		-06.0		-06.5		-07.5			
		"C" FULLY MATED	"C" MAX	"C" FULLY MATED	"C" MAX	"C" FULLY MATED	"C" MAX	"C" FULLY MATED	"C" MAX		
SEAM-RA No OF ROWS	-04	.626 [15.90]	.655 [16.64]	.665 [16.90]	.694 [17.64]	.685 [17.40]	.714 [18.14]	.724 [18.40]	.753 [19.14]	.316 [8.03]	
	-06	.758 [19.25]	.787 [19.99]	.797 [20.25]	.826 [20.99]	.817 [20.75]	.846 [21.49]	.856 [21.75]	.885 [22.49]	.416 [10.57]	
	-08	.858 [21.79]	.887 [22.53]	.897 [22.79]	.926 [23.53]	.917 [23.29]	.946 [24.03]	.956 [24.29]	.985 [25.03]	.516 [13.11]	
	-10	.958 [24.33]	.987 [25.07]	.997 [25.33]	1.026 [26.07]	1.017 [25.83]	1.046 [26.57]	1.056 [26.83]	1.085 [27.57]	.616 [15.65]	

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**FIGURE 3**  
SEAM MATED WITH SEAF-RA

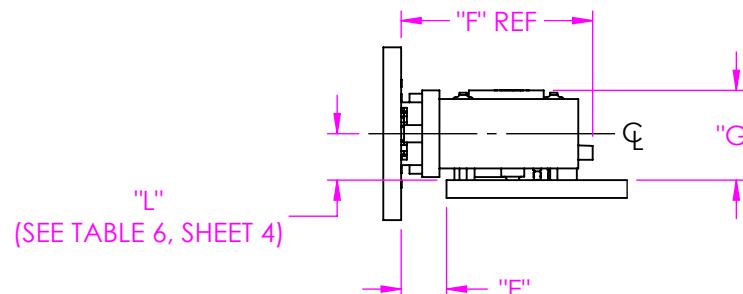


TABLE 4

SEAM LEAD STYLE

	SEAM LEAD STYLE												WIPE				
	-02.0		-03.0		-03.5		-06.5		-07.0		-09.0		-11.0				
"E" FULLY MATED	"E" MAX	"E" FULLY MATED	"E" MAX	"E" FULLY MATED	"E" MAX	"E" FULLY MATED	"E" MAX	"E" FULLY MATED	"E" MAX	"E" FULLY MATED	"E" MAX	"E" FULLY MATED	"E" MAX	FULLY MATED	MIN @ "E" MAX		
SEAF- RA No OF ROWS	-04	.158 [4.01]	.187 [4.75]	.197 [5.01]	.226 [5.75]	.217 [5.51]	.246 [6.25]	.337 [8.56]	.366 [9.30]	.355 [9.01]	.384 [9.75]	.434 [11.01]	.463 [11.75]	.513 [13.03]	.542 [13.77]	.044 [1.12]	.015 [0.38]
	-06	.158 [4.01]	.187 [4.75]	.197 [5.01]	.226 [5.75]	.217 [5.51]	.246 [6.25]	.337 [8.56]	.366 [9.30]	.355 [9.01]	.384 [9.75]	.434 [11.01]	.463 [11.75]	.513 [13.03]	.542 [13.77]	.044 [1.12]	.015 [0.38]
	-08	.158 [4.01]	.187 [4.75]	.197 [5.01]	.226 [5.75]	.217 [5.51]	.246 [6.25]	.337 [8.56]	.366 [9.30]	.355 [9.01]	.384 [9.75]	.434 [11.01]	.463 [11.75]	.513 [13.03]	.542 [13.77]	.044 [1.12]	.015 [0.38]
	-10	.158 [4.01]	.187 [4.75]	.197 [5.01]	.226 [5.75]	.217 [5.51]	.246 [6.25]	.337 [8.56]	.366 [9.30]	.355 [9.01]	.384 [9.75]	.434 [11.01]	.463 [11.75]	.513 [13.03]	.542 [13.77]	.044 [1.12]	.015 [0.38]

TABLE 5

SEAM LEAD STYLE

	SEAM LEAD STYLE												WIPE			
	-02.0		-03.0		-03.5		-06.5		-07.0		-09.0		-11.0			
"F" FULLY MATED	"F" MAX	"F" FULLY MATED	"F" MAX	"F" FULLY MATED	"F" MAX	"F" FULLY MATED	"F" MAX	"F" FULLY MATED	"F" MAX	"F" FULLY MATED	"F" MAX	"F" FULLY MATED	"F" MAX	"F" MAX	"G"	
SEAF-RA No OF ROWS	-04	.665 [16.89]	.694 [17.63]	.704 [17.89]	.733 [18.63]	.724 [18.39]	.753 [19.13]	.845 [21.46]	.874 [22.20]	.863 [21.92]	.892 [22.66]	.942 [23.93]	.971 [24.67]	1.021 [25.94]	1.050 [26.68]	.312 [7.92]
	-06	.777 [19.74]	.806 [20.47]	.816 [20.74]	.845 [21.47]	.836 [21.24]	.865 [21.97]	.956 [24.28]	.985 [25.02]	.975 [24.77]	1.004 [25.50]	1.054 [26.78]	1.083 [27.51]	1.133 [28.79]	1.162 [29.52]	.412 [10.46]
	-08	.877 [22.28]	.906 [23.01]	.916 [23.28]	.945 [24.01]	.936 [23.78]	.965 [24.51]	1.056 [26.82]	1.085 [27.56]	1.075 [27.31]	1.104 [28.04]	1.154 [29.32]	1.183 [30.05]	1.233 [31.33]	1.262 [32.06]	.512 [13.00]
	-10	.977 [24.82]	1.006 [25.55]	1.016 [25.82]	1.045 [26.55]	1.036 [26.32]	1.065 [27.05]	1.156 [29.36]	1.185 [30.10]	1.175 [29.85]	1.204 [30.58]	1.254 [31.86]	1.283 [32.59]	1.333 [33.87]	1.362 [34.60]	.612 [15.54]

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**FIGURE 4**

SEAF-RA -04 ROW MATED WITH SEAM-RA -04 ROW

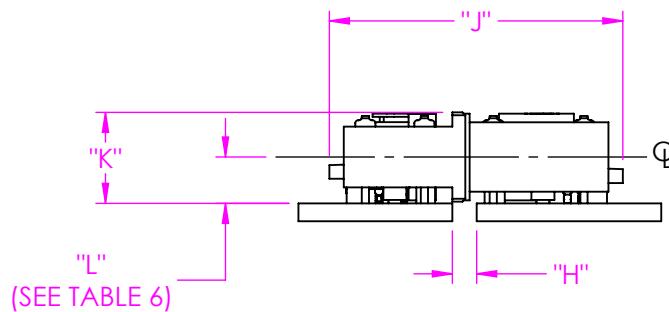
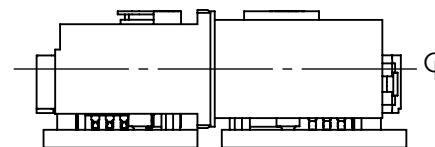
**FIGURE 5**SEAF-RA -06 ROW MATED WITH SEAM-RA -06 ROW  
(SAME AS -04 ROW EXCEPT AS SHOWN)

TABLE 6

## SEAF-RA

		WIPE															
		"H" FULLY MATED		"H" MAX		"J" FULLY MATED		"J" MAX		"K"		"L"		FULLY MATED		MIN @ "H" MAX	
SEAM-RA No OF ROWS	-04	.085	[2.16]	.114	[2.90]	1.019	[25.88]	1.048	[26.62]	.316	[8.03]	.161	[4.09]	.044	[1.12]	.015	[0.38]
	-06	.085	[2.16]	.114	[2.90]	1.262	[32.05]	1.291	[32.79]	.416	[10.57]	.211	[5.36]	.044	[1.12]	.015	[0.38]
	-08	.085	[2.16]	.114	[2.90]	1.462	[37.13]	1.491	[37.87]	.516	[13.11]	.261	[6.63]	.044	[1.12]	.015	[0.38]
	-10	.085	[2.16]	.114	[2.90]	1.662	[42.21]	1.691	[42.95]	.616	[15.65]	.311	[7.90]	.044	[1.12]	.015	[0.38]

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**FIGURE 6**  
SEAFC MATED WITH SEAR

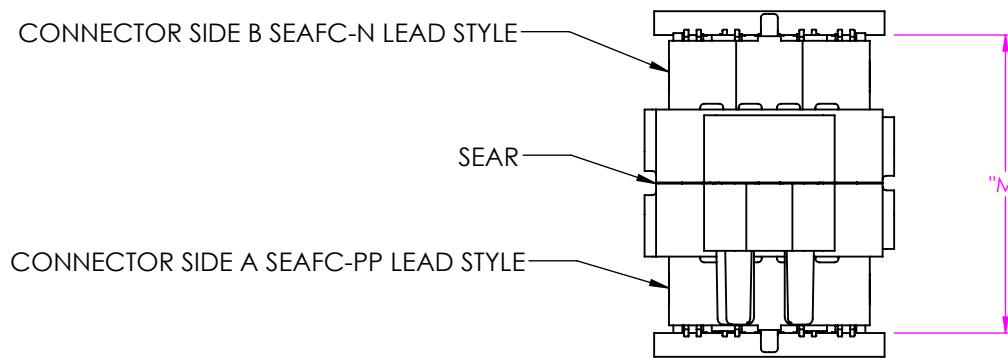
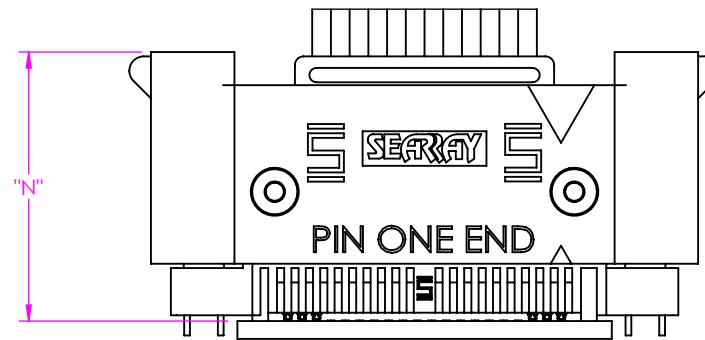


TABLE 7

SEAF/SEAFC LEAD STYLE		WIPE			
		"M" FULLY MATED	"M" MAX	FULLY MATED	MIN @ "M" MAX
SEAR LEAD STYLE	-10.0	.787 [20.00]	.825 [20.97]	.053 [1.35]	.015 [0.38]
	-20.0	1.181 [30.00]	1.219 [30.97]	.053 [1.35]	.015 [0.38]
	-30.0	1.575 [40.00]	1.613 [40.97]	.053 [1.35]	.015 [0.38]
	-31.0	1.614 [41.00]	1.652 [41.97]	.053 [1.35]	.015 [0.38]

**FIGURE 7**

SEAFC-DV MATED WITH SEAC

**TABLE 8****SEAFC LEAD STYLE**

SEAC LEAD STYLE	WIPE							
	-05.0		-06.0		-06.5		-07.5	
	"N" FULLY MATED	"N" MAX	"N" FULLY MATED	"N" MAX	"N" FULLY MATED	"N" MAX	"N" FULLY MATED	"N" MAX
W/T Latch	.934 [23.72]	.950 [24.13]	.973 [24.72]	.989 [25.13]	.993 [25.22]	1.009 [25.63]	1.032 [26.22]	1.048 [26.63]
W/O Latch	.819 [20.80]	.847 [21.51]	.858 [21.80]	.886 [22.51]	.878 [22.30]	.906 [23.01]	.917 [23.30]	.945 [24.01]

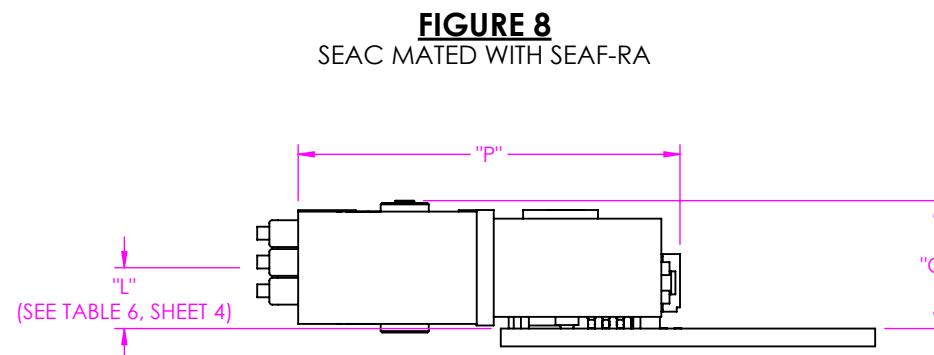


TABLE 9

		SEAC LEAD STYLE				WIPE			
		W/T Latch		W/O Latch					
		"P" FULLY MATED	"P" MAX	"P" FULLY MATED	"P" MAX	FULLY MATED	MIN @ "P" MAX		
SEAF-RA No OF ROWS	-04	1.315 [33.40]	1.330 [33.78]	1.200 [30.48]	1.228 [31.19]	.043 [1.09]	.015 [0.38]	.336 [8.53]	
	-06	1.427 [36.25]	1.442 [36.63]	1.312 [33.32]	1.340 [34.04]	.043 [1.09]	.015 [0.38]	.436 [11.07]	
	-08	1.527 [38.79]	1.542 [39.17]	1.412 [35.86]	1.440 [36.58]	.043 [1.09]	.015 [0.38]	.536 [13.61]	
	-10	1.627 [41.33]	1.642 [41.71]	1.512 [38.40]	1.540 [39.12]	.043 [1.09]	.015 [0.38]	.636 [16.15]	

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FIGURE 9

SEAM MATED WITH SEAFP-RA

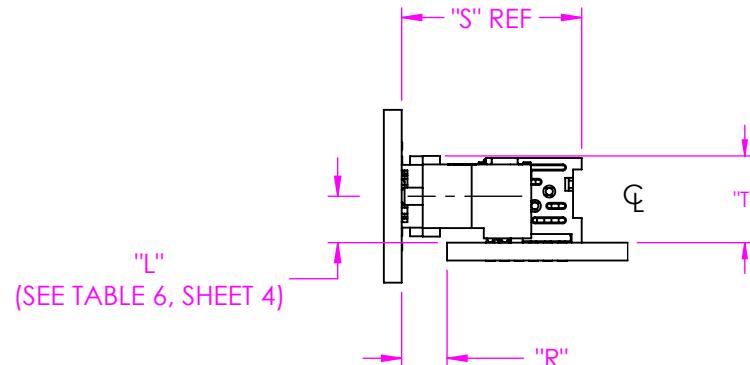


TABLE 10

## SEAM LEAD STYLE

	WIPE																
	-02.0		-03.0		-03.5		-06.5		-07.0		-09.0		-11.0				
"R" FULLY MATED	"R" MAX	"R" FULLY MATED	"R" MAX	"R" FULLY MATED	"R" MAX	"R" FULLY MATED	"R" MAX	"R" FULLY MATED	"R" MAX	"R" FULLY MATED	"R" MAX	"R" FULLY MATED	"R" MAX	FULLY MATED	MIN @ "E" MAX		
SEAFP- RA No OF ROWS	-04	.158 [4.01]	.187 [4.75]	.197 [5.01]	.226 [5.75]	.217 [5.51]	.246 [6.25]	.337 [8.56]	.366 [9.30]	.355 [9.01]	.384 [9.75]	.434 [11.01]	.463 [11.75]	.513 [13.03]	.542 [13.77]	.044 [1.12]	.015 [0.38]
	-06	.158 [4.01]	.187 [4.75]	.197 [5.01]	.226 [5.75]	.217 [5.51]	.246 [6.25]	.337 [8.56]	.366 [9.30]	.355 [9.01]	.384 [9.75]	.434 [11.01]	.463 [11.75]	.513 [13.03]	.542 [13.77]	.044 [1.12]	.015 [0.38]
	-08	.158 [4.01]	.187 [4.75]	.197 [5.01]	.226 [5.75]	.217 [5.51]	.246 [6.25]	.337 [8.56]	.366 [9.30]	.355 [9.01]	.384 [9.75]	.434 [11.01]	.463 [11.75]	.513 [13.03]	.542 [13.77]	.044 [1.12]	.015 [0.38]
	-10	.158 [4.01]	.187 [4.75]	.197 [5.01]	.226 [5.75]	.217 [5.51]	.246 [6.25]	.337 [8.56]	.366 [9.30]	.355 [9.01]	.384 [9.75]	.434 [11.01]	.463 [11.75]	.513 [13.03]	.542 [13.77]	.044 [1.12]	.015 [0.38]

TABLE 11

## SEAM LEAD STYLE

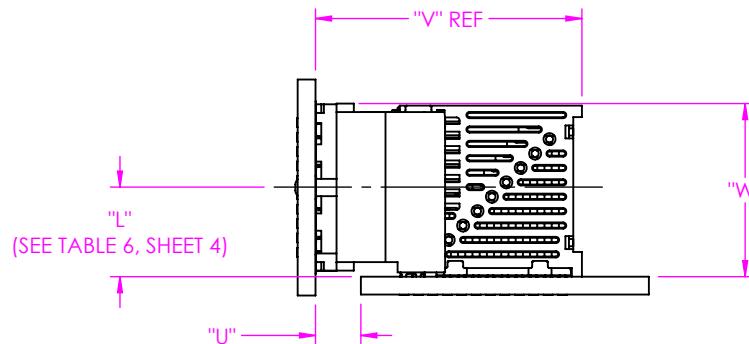
	WIPE															
	-02.0		-03.0		-03.5		-06.5		-07.0		-09.0		-11.0			
"S" FULLY MATED	"S" MAX	"S" FULLY MATED	"S" MAX	"S" FULLY MATED	"S" MAX	"S" FULLY MATED	"S" MAX	"S" FULLY MATED	"S" MAX	"S" FULLY MATED	"S" MAX	"S" FULLY MATED	"S" MAX	"S" MAX	"T"	
SEAF-RA No OF ROWS	-04	.625 [15.88]	.654 [16.61]	.664 [16.87]	.693 [17.61]	.684 [17.37]	.713 [18.11]	.804 [20.43]	.833 [21.16]	.823 [20.90]	.852 [21.64]	.902 [22.92]	.931 [23.65]	.981 [24.93]	1.010 [25.66]	.301 [7.65]
	-06	.737 [18.72]	.766 [19.46]	.776 [19.72]	.805 [20.46]	.796 [20.22]	.825 [20.96]	.916 [23.27]	.945 [24.01]	.935 [23.75]	.964 [24.49]	1.014 [25.76]	1.043 [26.50]	1.093 [27.77]	1.122 [28.51]	.401 [10.19]
	-08	.837 [21.26]	.866 [22.00]	.876 [22.26]	.905 [23.00]	.896 [22.76]	.925 [23.50]	1.016 [25.81]	1.045 [26.55]	1.035 [26.29]	1.064 [27.03]	1.114 [28.30]	1.143 [29.04]	1.193 [30.31]	1.222 [31.05]	.501 [12.73]
	-10	.937 [23.80]	.966 [24.54]	.976 [24.80]	1.005 [25.54]	.996 [25.30]	1.025 [26.04]	1.116 [28.35]	1.145 [29.09]	1.135 [28.83]	1.164 [29.57]	1.214 [30.84]	1.243 [31.58]	1.293 [32.85]	1.322 [33.59]	.601 [15.27]

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**FIGURE 10**  
SEAMP MATED WITH SEAFP-RA

TABLE 12

		SEAMP LEAD STYLE				
		-02.0				"W"
		"U" FULLY MATED	"U" MAX	"V" FULLY MATED	"V" MAX	
SEAFP-RA No OF ROWS	-04	.158 [4.01]	.187 [4.75]	.625 [15.88]	.654 [16.61]	.301 [7.65]
	-06	.158 [4.01]	.187 [4.75]	.725 [18.42]	.754 [19.15]	.401 [10.19]
	-08	.158 [4.01]	.187 [4.75]	.825 [20.96]	.854 [21.69]	.501 [12.73]
	-10	.158 [4.01]	.187 [4.75]	.925 [23.50]	.954 [24.23]	.601 [15.27]

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