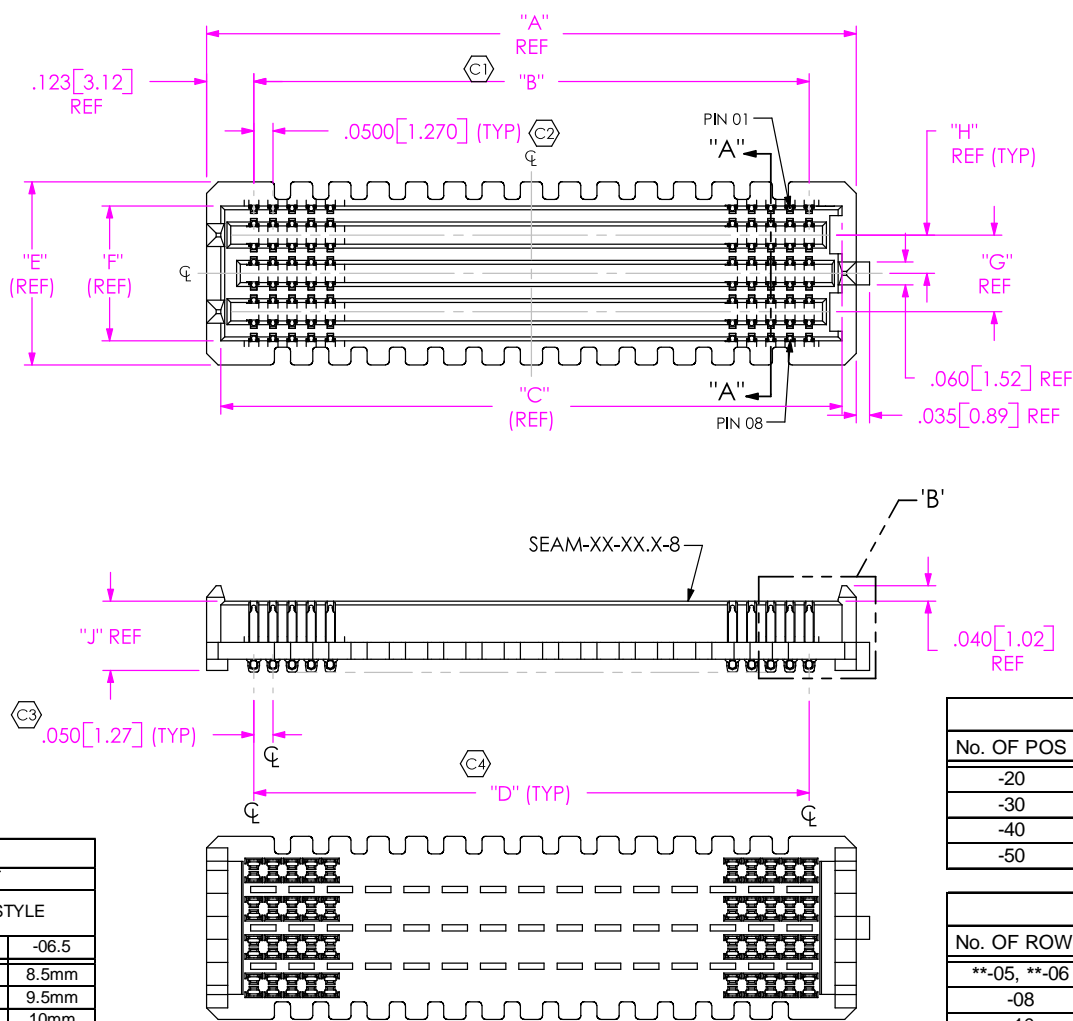


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FIG. 1
-08: 8 ROW
(SEAM-30-02.0-XX-08-1 SHOWN)
(SOME CENTER FEATURES NOT SHOWN FOR CLARITY)



SEAM-XX-XX.X-XX-XX-X-XX

No OF POSITIONS
-20, -30, -40, -50
(PER ROW)

LEAD STYLE

- 02.0 (SEE TABLE 1 & 2)
- * -03.0 (SEE TABLE 1 & 2)
- 03.5 (SEE TABLE 1 & 2)
- ** -07.0 (SEE TABLE 9 & 10)
- ** -09.0 (SEE TABLE 9 & 10)
- ** -11.0 (SEE TABLE 9 & 10)
- * -13.0 (SEE TABLE 9 & 10)

OPTION

- A: ALIGNMENT PIN (SEE FIG. 3, SHT 2)
- K: KAPTON PAD (USE K-850-650) (SEE FIG. 4, SHT 2)
- TR: TAPE & REEL
- ** -GP: GUIDE POST (SEE FIG. 8, SHT 5)
- E** (SEE FIG. 8, SHT 5) (ONLY AVAILABLE WITH 6 ROW 30 POS)

SOLDER COMPOSITION & STYLE

- 1: 63% TIN / 37% LEAD CHARGE TAIL (USE SUB-T-1M3X-XX.X-X-1)
- 2: 95.5% TIN / 3.8% SILVER / .7% COPPER CHARGE TAIL (USE SUB-T-1M3X-XX.X-X-2)

ROW

- 05: 5 ROWS (SEE FIG. 7, SHT 4) (-02.0 LEAD STYLE ONLY)
- 06: 6 ROWS (SEE FIG. 6, SHT 4) (-02.0 LEAD STYLE ONLY) (-20 & -30 POS ONLY)
- 08: 8 ROWS (SEE FIG. 1)
- 10: 10 ROWS (SEE FIG. 2, SHT 2)

- PLATING SPECIFICATION**
- SM: SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
 - (LEAD STYLE -02.0 THRU -03.5: USE SUB-T-1M36-XX.X-S-X)
 - (LEAD STYLE -07.0 THRU -13.0: USE SUB-T-1M38-XX.X-S-X)
 - S: SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
 - (LEAD STYLE -02.0 THRU -03.5: USE SUB-T-1M36-XX.X-S-X)
 - (LEAD STYLE -07.0 THRU -13.0: USE SUB-T-1M38-XX.X-S-X)

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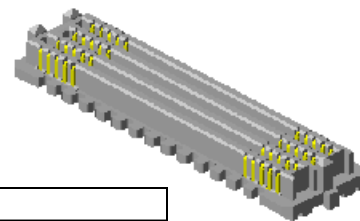


TABLE 2
STACK HEIGHT

SEAM LEAD STYLE	SEAF LEAD STYLE		
	-05.0	-06.0	-06.5
-02.0	7mm	8mm	8.5mm
*-03.0	8mm	9mm	9.5mm
-03.5	8.5mm	9.5mm	10mm

* = NOT TOOLED
(SEE SHEET 3 FOR LEAD STYLES -07.0 THRU -13.0)

TABLE 1

STYLE	"J"	BODY CALLOUT	TERMINAL
-02.0	0.181 [4.60]	SEAM-XX-02.0-XX-X	SUB-T-1M36-02.0-X-X
*-03.0	0.220 [5.59]	SEAM-XX-03.0-XX-X	SUB-T-1M36-03.0-X-X
-03.5	0.240 [6.10]	SEAM-XX-03.5-XX-X	SUB-T-1M36-03.5-X-X

* = NOT TOOLED
(SEE SHEET 3 FOR LEAD STYLES -07.0 THRU -13.0)

TABLE 3

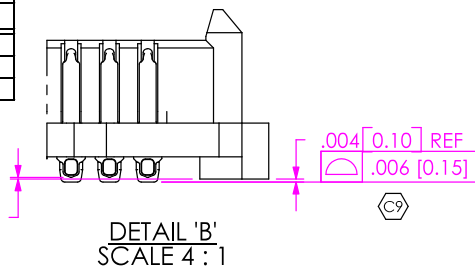
No. OF POS	"A"	"B"	"C"	"D"
-20	1.196 [30.38]	.950 [24.13]	1.122 [28.50]	.950 [24.13]
-30	1.696 [43.08]	1.450 [36.83]	1.622 [41.20]	1.450 [36.83]
-40	2.196 [55.78]	1.950 [49.53]	2.122 [53.90]	1.950 [49.53]
-50	2.696 [68.48]	2.450 [62.23]	2.622 [66.60]	2.450 [62.23]

TABLE 4

No. OF ROWS	"E"	"F"	"G"	"H"
** -05, ** -06	.378 [9.60]	.252 [6.40]	.100 [2.54]	.050 [1.27]
-08	.478 [12.14]	.352 [8.94]	.200 [5.08]	.100 [2.54]
-10	.578 [14.68]	.452 [11.48]	.300 [7.62]	.150 [3.81]

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: 0.75 LBS.
3. PARTS TO BE PACKAGED IN TRAYS (UNLESS -TR OPTION IS SELECTED).
4. 5 ROW SOLDER TAILS ARE NOT SYMMETRICAL WITH BODY WIDTH (.378[9.60]); SEE FIG. 7, SHEET 4.



Ⓢ .0020 [0.051]

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS ANGLES
.XX: ±.01 [.3]
.XXX: ±.005 [.13]
.XXXX: ±.0020 [.051]

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MATERIAL: DO NOT SCALE DRAWING
INSULATOR: L.C.P., COLOR: BLACK
TERMINAL: COPPER ALLOY



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.050 PITCH TERMINAL ARRAY ASSEMBLY

DWG. NO.
SEAM-XX-XX.X-XX-XX-X-XX

BY: BRATCHER 06/02/2004 SHEET 1 OF 5

FIG. 2
 -10: 10 ROW
 (SAME AS FIG. 1, EXCEPT AS SHOWN)
 (SEAM-30-02.0-XX-10-1 SHOWN)
 (SOME CENTER FEATURES NOT SHOWN FOR CLARITY)

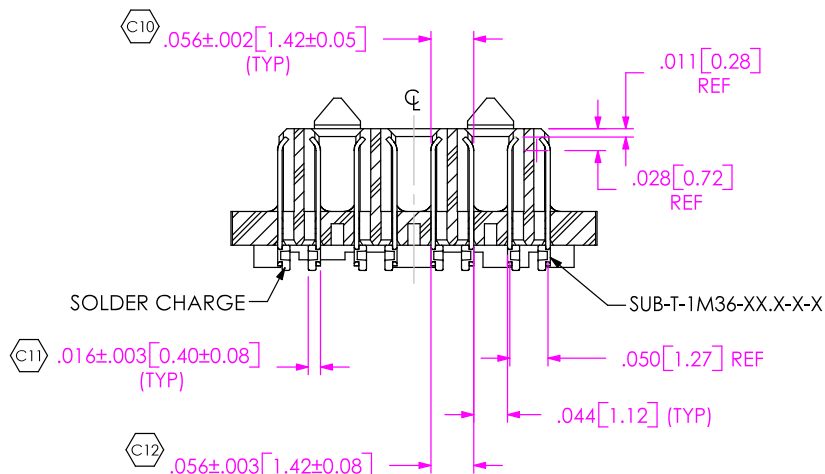
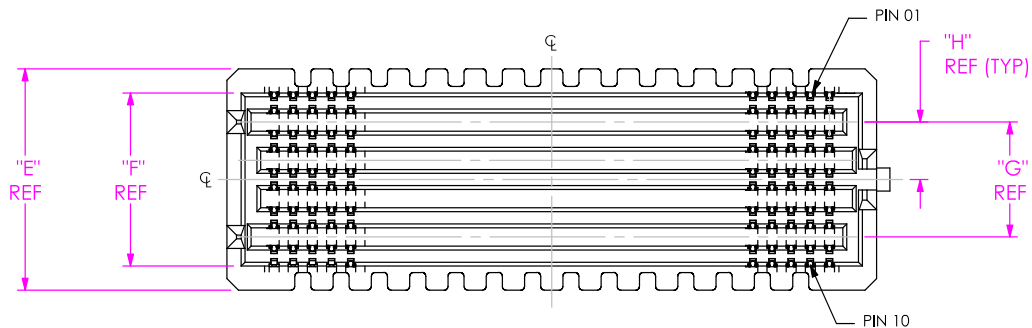


FIG. 4
 -K: KAPTON PAD OPTION
 (SAME AS FIG. 1, EXCEPT AS SHOWN)
 (ALL CONTACTS NOT SHOWN FOR CLARITY)

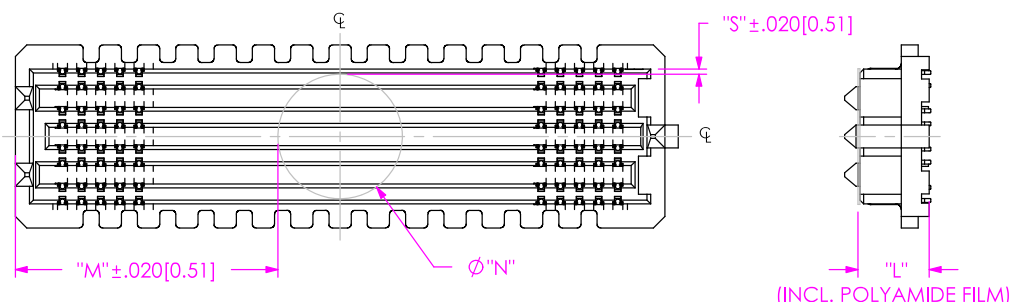
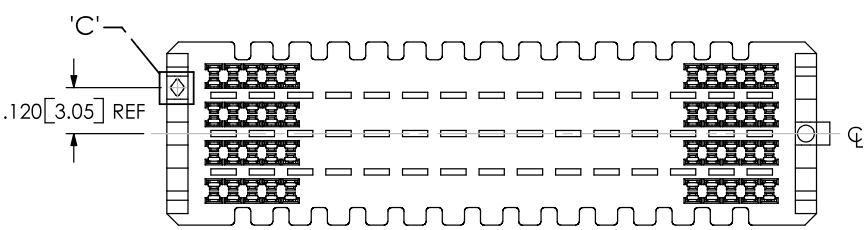
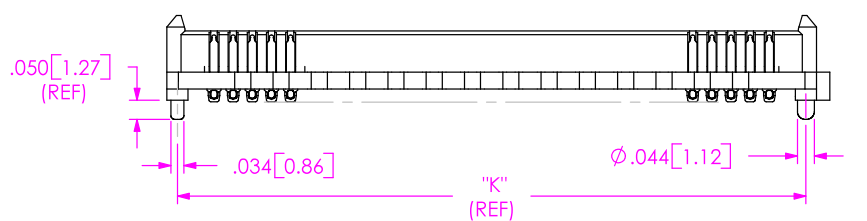


FIG. 3
 -A: ALIGNMENT PINS OPTION
 APPLIES TO ALL -A OPTION PART NUMBERS
 (SAME AS FIG. 1, EXCEPT AS SHOWN)
 (SEAM-30-02.0-XX-08-1-A SHOWN)
 (SOME CONTACTS NOT SHOWN FOR CLARITY)



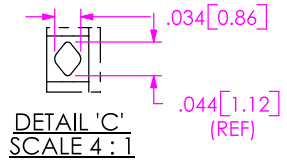
No. OF POS	"K"
-20	1.141 [29.98]
-30	1.641 [41.68]
-40	2.141 [54.38]
-50	2.641 [67.08]

No. OF POS	** -05 "M"	** -06 "M"	-08 "M"	-10 "M"
-20	.480 [12.19]	.480 [12.19]	.435 [11.05]	.396 [10.06]
-30	.730 [18.54]	.730 [18.54]	.685 [17.40]	.646 [16.41]
-40	.980 [24.89]	N/A	.935 [23.75]	.896 [22.76]
-50	1.230 [31.24]	N/A	1.185 [30.10]	1.146 [29.11]

No. OF ROWS	Ø "N"	"S"
** -05, ** -06	.236 [6.00]	.008 [0.20]
-08	.325 [8.25]	.014 [0.34]
-10	.404 [10.25]	.024 [0.61]

LEAD STYLE	"L"
-02.0	.186 [4.72]
*-03.0	.225 [5.72]
-03.5	.245 [6.22]
** -07.0	.382 [9.70]
*-09.0	.461 [11.71]
*-11.0	.540 [13.72]
*-13.0	.619 [15.72]

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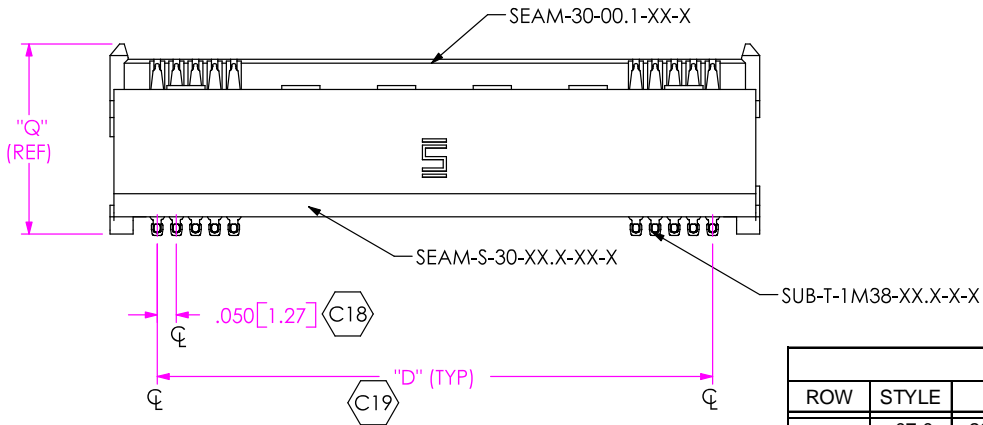
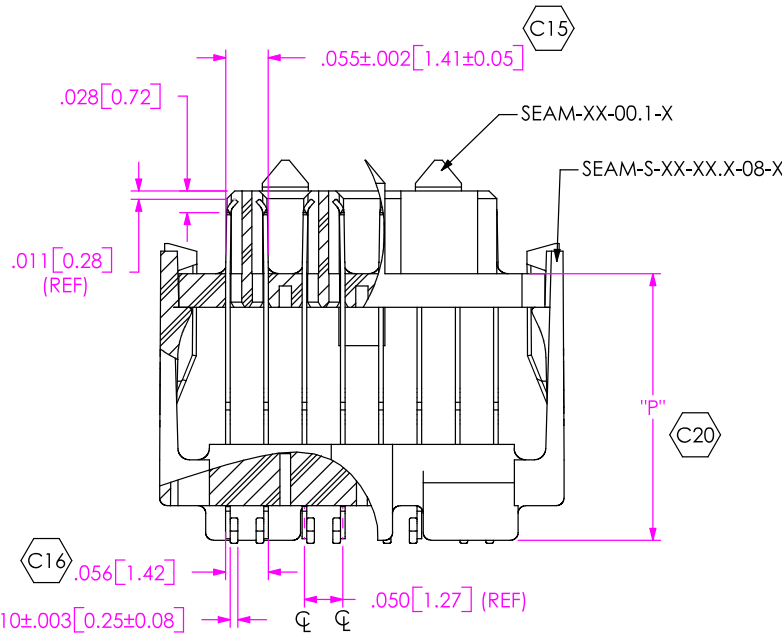
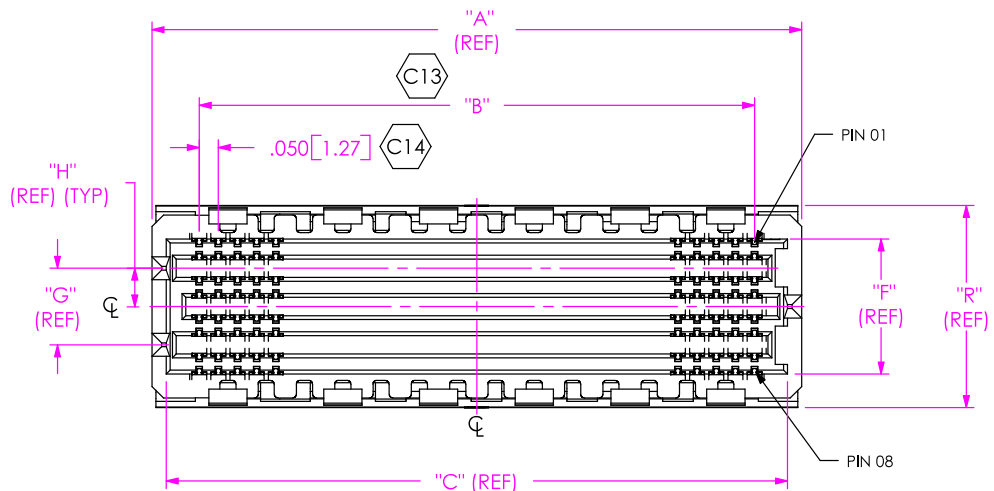
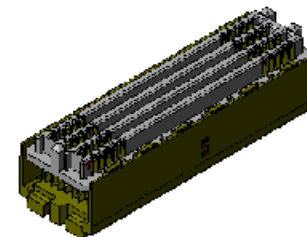
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 DWG. NO.
SEAM-XX-XX.X-XX-XX-X-XX
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FIG. 5
 -07.0 THRU -13.0 LEAD STYLES
 (SAME AS FIG. 1, EXCEPT AS SHOWN)
 (SEAM-30-09.0-XX-08-X-X SHOWN)
 (SOME CENTER FEATURES NOT SHOWN FOR CLARITY)



SCALE 4:1

ROW	STYLE	"P"	"Q"	"R"	SPACER BODY	TOP BODY	TERMINAL
-08	-07.0	.269 [6.84]	.417 [10.60]	.528 [13.41]	SEAM-S-XX-07.0-08-X	SEAM-XX-00.1-08	SUB-T-1M38-07.0-X-X
	*-09.0	.348 [8.84]	.496 [12.60]	.528 [13.41]	SEAM-S-XX-09.0-08-X	SEAM-XX-00.1-08	SUB-T-1M38-09.0-X-X
	*-11.0	.427 [10.84]	.575 [14.60]	.528 [13.41]	SEAM-S-XX-11.0-08-X	SEAM-XX-00.1-08	SUB-T-1M38-11.0-X-X
	*-13.0	.506 [12.84]	.654 [16.60]	.528 [13.41]	SEAM-S-XX-13.0-08-X	SEAM-XX-00.1-08	SUB-T-1M38-13.0-X-X
-10	-07.0	.269 [6.84]	.417 [10.60]	.628 [15.95]	SEAM-S-XX-07.0-10-X	SEAM-XX-00.1-10	SUB-T-1M38-07.0-X-X
	*-09.0	.348 [8.84]	.496 [12.60]	.628 [15.95]	SEAM-S-XX-09.0-10-X	SEAM-XX-00.1-10	SUB-T-1M38-09.0-X-X
	*-11.0	.427 [10.84]	.575 [14.60]	.628 [15.95]	SEAM-S-XX-11.0-10-X	SEAM-XX-00.1-10	SUB-T-1M38-11.0-X-X
	*-13.0	.506 [12.84]	.654 [16.60]	.628 [15.95]	SEAM-S-XX-13.0-10-X	SEAM-XX-00.1-10	SUB-T-1M38-13.0-X-X

* = NOT TOOLED

SEAM-S LEAD STYLE	SEAF LEAD STYLE		
	-05.0	-06.0	-06.5
** -07.0	12mm	13mm	13.5mm
* -09.0	14mm	15mm	15.5mm
* -11.0	16mm	17mm	17.5mm
* -13.0	18mm	19mm	19.5mm

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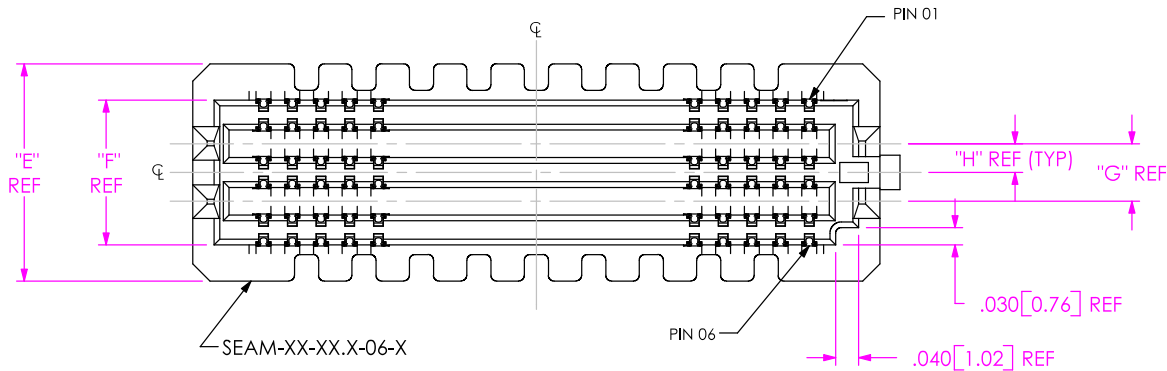


FIG. 6
 -06: 6 ROWS
 (SAME AS FIG. 1, EXCEPT AS SHOWN)
 (SEAM-20-02.0-XX-06-X-A SHOWN)
 (-02.0 LEAD STYLE ONLY) (-20 & -30 POS ONLY)
 (SOME CENTER FEATURES NOT SHOWN FOR CLARITY)

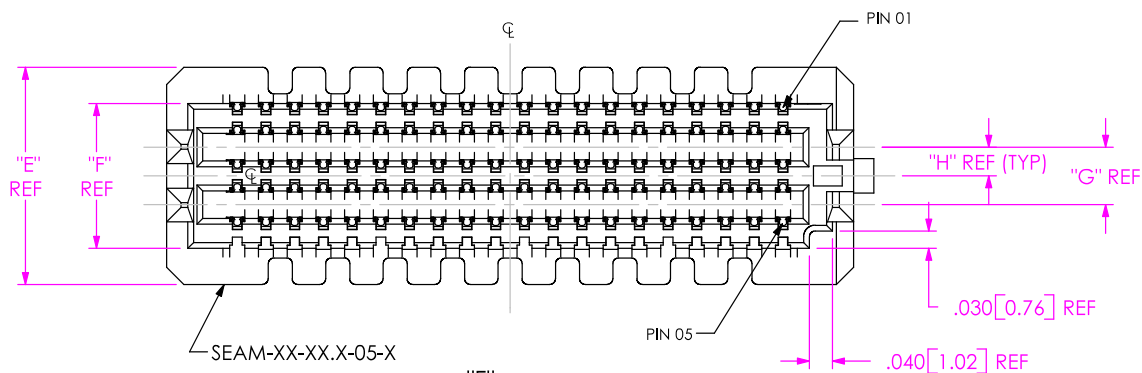
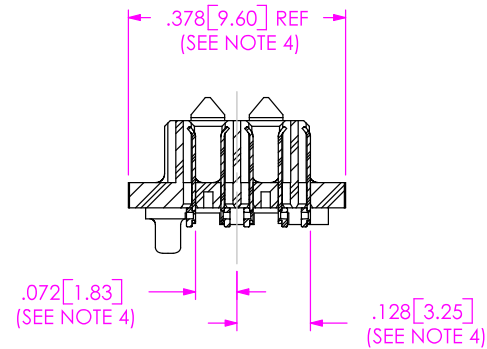
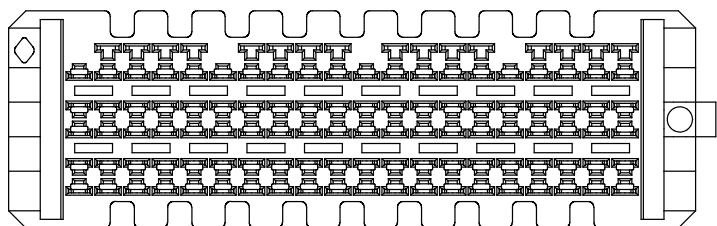
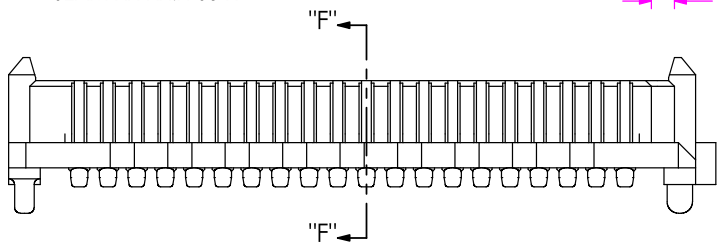


FIG. 7
 -05: 5 ROWS
 (SAME AS FIG. 6, EXCEPT AS SHOWN)
 (SEAM-20-02.0-XX-05-X-A SHOWN)
 (-02.0 LEAD STYLE ONLY)



SECTION "F"-"F"

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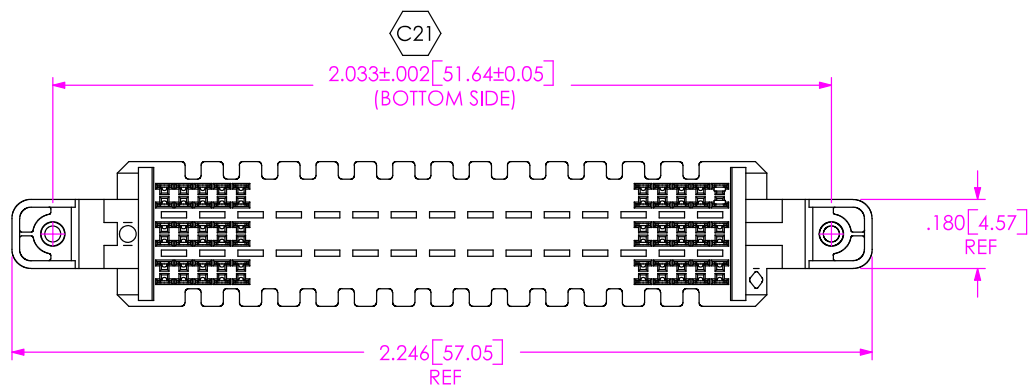
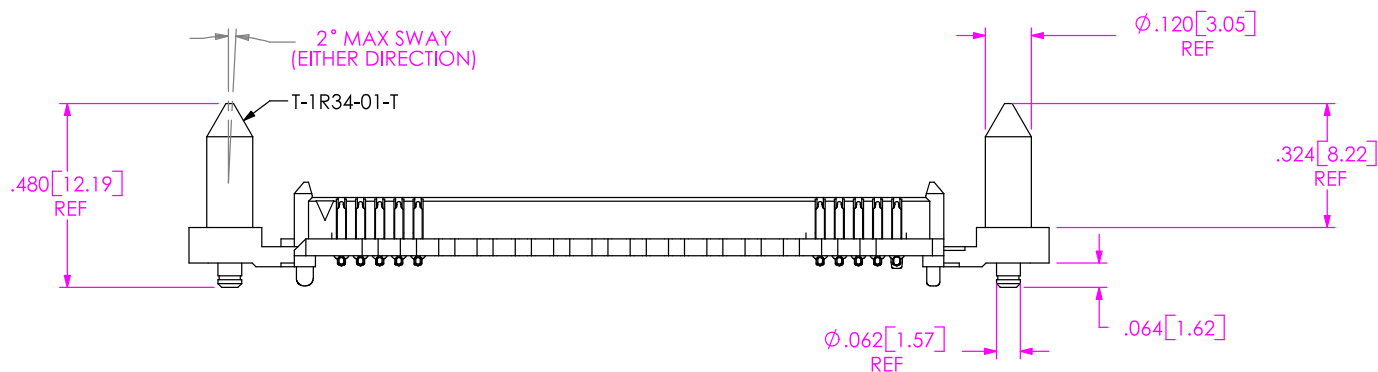
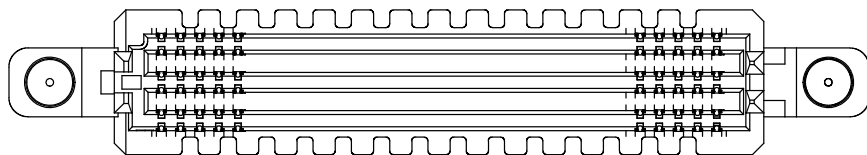
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E FIG. 8
 -GP: GUIDE POST OPTION
 APPLIES TO ALL -GP OPTION PART NUMBERS
 (SAME AS FIG. 1, EXCEPT AS SHOWN)
 (SEAM-30-02.0-XX-06-2-A-GP SHOWN)
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