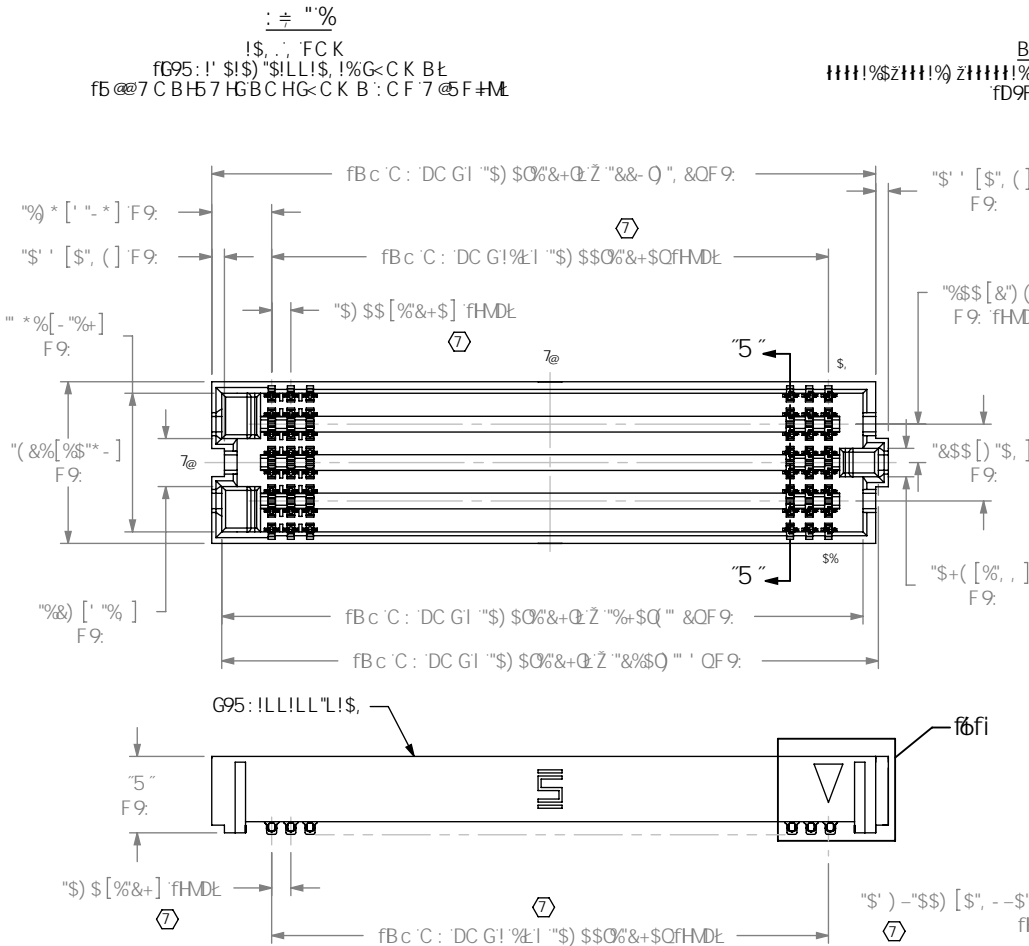


F9J GCB'L

: ÷ "%  
!\$, , FCK  
fG95: !' \$!\$) "\$ILL!\$, !%G<CK B<  
fB @7CBH57HGBC HG<CK B': CF'7 @F+M<

8C' B'CH  
G7 5@: FCA  
H<GDF-BH



G95: !LL!LL'L!LL!LL!LL!

Bc'C: DC GHC BG  
!!!!%\$Z!!!!% Z!!!!!!% Z!&\$Z!& Z! '\$Z! (\$Z!) \$  
fD9F FCK E

@58' G'M@

!\$) "\$. "%-Q' "\$\*Q<9< <H  
1\$\*\$ "\$. "& , Q' "\$) Q<9< <H  
1\$\*\$ "\$. "& , Q' "\$) Q<9< <H  
fD99 H5 6@%&

D@5HB; 'GD97 ÷ 7 5HC B

!@& <H; C @B' B'7CBH57H  
5F95Z5A 5H@HB' C'B' H5 @  
f! G9'G' 6!7!&\$-!LL'L!@L<  
!GA' G9@97 HJ 9; C @B' B'  
7CBH57H 5F95Z5A 5H@HB  
C'B' H5 @f! G9'G' 6!7!&\$-!LL'L!@L<  
!G' G9@97 HJ 9; C @B' B'7CBH57H  
5F95Z5A 5H@HB' C'B' H5 @  
f! G9'G' 6!7!&\$-!LL'L!@L<

FCK

!\$(. ' FCK GfD99: ÷ "%&ZG<H\* &  
!\$) .) FCK GfD99: ÷ "\*"ZG<H' &  
!\$\* . \* FCK GfD99: ÷ ")ZG<H' &  
!\$\* . , FCK GfD99: ÷ "%&  
!%\$. %\$ FCK GfD99: ÷ "%&ZG<H&

H'1' B'CH F9@5G98: C'F'DFC 8! 7HC B"  
H'1' C'B@M5J 5 @6@K #<6C 8M  
<9< <H!\$) "\$5B8 !%\$FCK \*  
H'1' %\$DC GHB' C'B@M5J 5 @6@  
B' ( FCK  
H'1' C'B@M5J 5 @6@K #<1\$\*\$")  
@58' G'M@ 5B8 !\$\* FCK \*  
H'1' H'1' @CDHC B'F9E ! F98: C'F  
G957' A 5HCB@M  
1C'B@M5J 5 @6@K #<1\$\*\$")  
@58' G'M@ 5B8 !\$ ( FCK

C DHC B

!5. 5@ BA 9BHD-B  
fD99: ÷ "" ZG<H&  
fBC H5J 5 @6@K #<  
!% DC GHC B<  
!?. ?5DHC B D58  
fD99: ÷ "" (ZG<H&  
H'1' @ H7 < DC GHC DHC B  
fD99: ÷ "% ZG<H\* &  
!H' H5D9/ F99@  
!B. B'CH7 <  
fD99: ÷ "+ZG<H(&  
fC B@M5J 5 @6@B  
G95: !' \$!\$) "\$ILL!\$\*!ILL<  
!\$(. 8 ÷: D5 FZfD99: ÷ "", ZG<H) &  
fC B@M5J 5 @6@B  
%\$ FCK Z' \$ DC GHC B<  
fC B@M5J 5 @6@B  
!\$ , 8 ÷: D5 FZfD99: ÷ ""-ZG<H) &  
fC B@M5J 5 @6@B  
%\$ FCK Z' \$ DC GHC B<  
!%& 8 ÷: D5 FZfD99: ÷ "%\$ZG<H) &  
fC B@M5J 5 @6@B  
%\$ FCK Z' \$ DC GHC B<  
!%\* 8 ÷: D5 FZfD99: ÷ "%&ZG<H) &  
fC B@M5J 5 @6@B  
%\$ FCK Z' \$ DC GHC B<

GC @9F'7 C A DC GHB' / G'M@

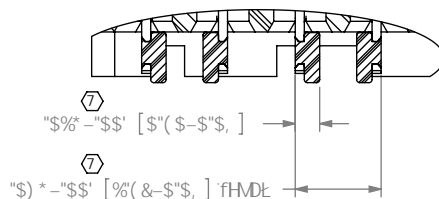
!%\*! 'HB #' + @58  
7 <5F; 9H5 @  
f! G9'G' 6!7!&\$-!LL'L!@L<  
!&-) 'HB #' , ! G@9F #  
+ '7CDD9F'7 <5F; 9H5 @  
f! G9'G' 6!7!&\$-!LL'L!@L<

| TABLE 2         |                 |       |       |
|-----------------|-----------------|-------|-------|
| STACK HEIGHT    |                 |       |       |
| SEAF LEAD STYLE | SEAM LEAD STYLE |       |       |
|                 | -02.0           | -03.0 | -03.5 |
| -05.0           | 7mm             | 8mm   | 8.5mm |
| -06.0           | 8mm             | 9mm   | 9.5mm |
| -06.5           | 8.5mm           | 9.5mm | 10mm  |

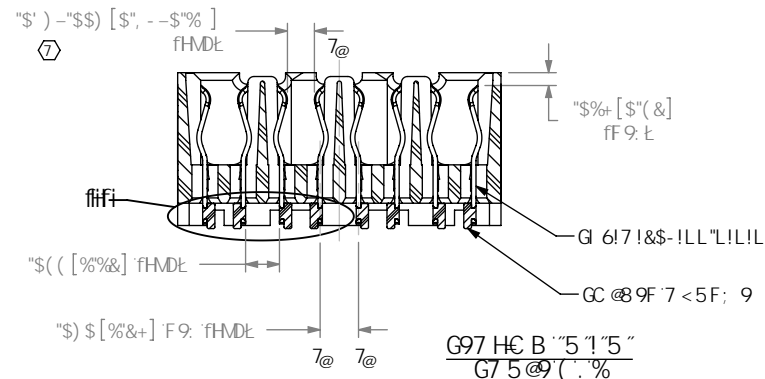
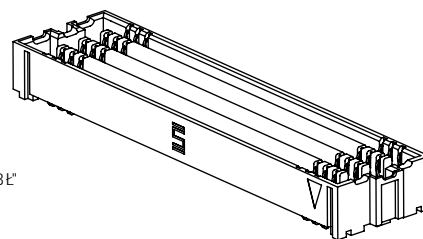
| TABLE 1 |              |                   |                   |
|---------|--------------|-------------------|-------------------|
| STYLE   | "A"          | BODY CALLOUT      | CONTACT           |
| -05.0   | 0.199 [5.05] | SEAF-XX-05.0-XX-X | SUB-C-209-05.0-XX |
| -06.0   | 0.238 [6.05] | SEAF-XX-06.0-XX-X | SUB-C-209-06.0-XX |
| -06.5   | 0.258 [6.55] | SEAF-XX-06.5-XX-X | SUB-C-209-06.5-XX |

BC'HG

% (Z) F9DF9@9BHG5 7F+H7 5@8A 9BGC B"  
&'A B A I A' D! G<C I H: CF79 "A) @G'  
"D5FHGC: 69D5775: 98-B' H5M! B @GG!H' C DHC B' G'G9@97 H98' &  
(") FCK G' @9F H5 @65F9BCHQMA 9H'7 5@K #<6C 8M  
"K 8H< FB A' "" &Q' Q/G99: ÷ ""ZG<9H' &  
") BGD97 H8 A 9BGC B 5H (7C FB9GC: D5FH



89H5 @fBfi  
G7 5@, . %



1B @9G C' H'9FK '69' GD97 ÷ 98Z  
8A 9BGC BG5F9-B' B'7 <9G'  
HC @9F5B7 9G' 5F9.  
897 A 5@G  
"LL' ÷ "\$\*Q' Q' " &  
"LLL' ÷ "\$S) Q' Q  
"LLLL' ÷ "\$S&S QS) Q

D'FC DF-9H5FMBCH@  
H-68C71A 98H7C8H68G-B: CFA5HC B  
7CB: 89B H5 @5B8 DFC DF-9H5FMBCH  
GSA H7Z B7' 5B8 G-5 @B C H69F90FC 8! 7 98  
C'F H5BG 9F98 HC C' H'9F 8C71A 9BHGCF  
847 @G98 HC C' H'9FC F1 98: C'F5BM  
D! FDC 9C' H'9F H5B H5HK <7 <4K 5G  
C'6H5898 K #<C I H'9F9DF9G98 K F H98  
7CB98HC: GSA H7Z B7'

8C' B'CH G7 5@9 8F5K B: G<99HG7 5 @9. %&  
B'G @5HC F. @7' D'Z7C @F. 6@57?  
7CBH57HC F H9FA B5@7CDD9F' 5 @C M

89G7 F@HC B.  
"\$D#7 < 'GC 7?9H5FF5M5G9A 6@M  
8K: "BC"  
G95: !LL!LL'L!LL!LL!LL!  
6M 6F5H7 <9F \$) #&+ #&\$\$( G<99H% C: \*

!B @9G C' H'9FK '69' GD97 ÷ 98Z  
8A 9BGC BG5F9-B' B'7 <9G'  
HC @9F5B7 9G' 5F9.  
897 A 5@G  
"LL' ÷ "\$\*Q' Q' " &  
"LLL' ÷ "\$S) Q' Q  
"LLLL' ÷ "\$S&S QS) Q

D'FC DF-9H5FMBCH@  
H-68C71A 98H7C8H68G-B: CFA5HC B  
7CB: 89B H5 @5B8 DFC DF-9H5FMBCH  
GSA H7Z B7' 5B8 G-5 @B C H69F90FC 8! 7 98  
C'F H5BG 9F98 HC C' H'9F 8C71A 9BHGCF  
847 @G98 HC C' H'9FC F1 98: C'F5BM  
D! FDC 9C' H'9F H5B H5HK <7 <4K 5G  
C'6H5898 K #<C I H'9F9DF9G98 K F H98  
7CB98HC: GSA H7Z B7'

8C' B'CH G7 5@9 8F5K B: G<99HG7 5 @9. %&  
B'G @5HC F. @7' D'Z7C @F. 6@57?  
7CBH57HC F H9FA B5@7CDD9F' 5 @C M

89G7 F@HC B.  
"\$D#7 < 'GC 7?9H5FF5M5G9A 6@M  
8K: "BC"  
G95: !LL!LL'L!LL!LL!LL!  
6M 6F5H7 <9F \$) #&+ #&\$\$( G<99H% C: \*

!B @9G C' H'9FK '69' GD97 ÷ 98Z  
8A 9BGC BG5F9-B' B'7 <9G'  
HC @9F5B7 9G' 5F9.  
897 A 5@G  
"LL' ÷ "\$\*Q' Q' " &  
"LLL' ÷ "\$S) Q' Q  
"LLLL' ÷ "\$S&S QS) Q

D'FC DF-9H5FMBCH@  
H-68C71A 98H7C8H68G-B: CFA5HC B  
7CB: 89B H5 @5B8 DFC DF-9H5FMBCH  
GSA H7Z B7' 5B8 G-5 @B C H69F90FC 8! 7 98  
C'F H5BG 9F98 HC C' H'9F 8C71A 9BHGCF  
847 @G98 HC C' H'9FC F1 98: C'F5BM  
D! FDC 9C' H'9F H5B H5HK <7 <4K 5G  
C'6H5898 K #<C I H'9F9DF9G98 K F H98  
7CB98HC: GSA H7Z B7'

8C' B'CH G7 5@9 8F5K B: G<99HG7 5 @9. %&  
B'G @5HC F. @7' D'Z7C @F. 6@57?  
7CBH57HC F H9FA B5@7CDD9F' 5 @C M

89G7 F@HC B.  
"\$D#7 < 'GC 7?9H5FF5M5G9A 6@M  
8K: "BC"  
G95: !LL!LL'L!LL!LL!LL!  
6M 6F5H7 <9F \$) #&+ #&\$\$( G<99H% C: \*

!B @9G C' H'9FK '69' GD97 ÷ 98Z  
8A 9BGC BG5F9-B' B'7 <9G'  
HC @9F5B7 9G' 5F9.  
897 A 5@G  
"LL' ÷ "\$\*Q' Q' " &  
"LLL' ÷ "\$S) Q' Q  
"LLLL' ÷ "\$S&S QS) Q

D'FC DF-9H5FMBCH@  
H-68C71A 98H7C8H68G-B: CFA5HC B  
7CB: 89B H5 @5B8 DFC DF-9H5FMBCH  
GSA H7Z B7' 5B8 G-5 @B C H69F90FC 8! 7 98  
C'F H5BG 9F98 HC C' H'9F 8C71A 9BHGCF  
847 @G98 HC C' H'9FC F1 98: C'F5BM  
D! FDC 9C' H'9F H5B H5HK <7 <4K 5G  
C'6H5898 K #<C I H'9F9DF9G98 K F H98  
7CB98HC: GSA H7Z B7'

8C' B'CH G7 5@9 8F5K B: G<99HG7 5 @9. %&  
B'G @5HC F. @7' D'Z7C @F. 6@57?  
7CBH57HC F H9FA B5@7CDD9F' 5 @C M

89G7 F@HC B.  
"\$D#7 < 'GC 7?9H5FF5M5G9A 6@M  
8K: "BC"  
G95: !LL!LL'L!LL!LL!LL!  
6M 6F5H7 <9F \$) #&+ #&\$\$( G<99H% C: \*

!B @9G C' H'9FK '69' GD97 ÷ 98Z  
8A 9BGC BG5F9-B' B'7 <9G'  
HC @9F5B7 9G' 5F9.  
897 A 5@G  
"LL' ÷ "\$\*Q' Q' " &  
"LLL' ÷ "\$S) Q' Q  
"LLLL' ÷ "\$S&S QS) Q

D'FC DF-9H5FMBCH@  
H-68C71A 98H7C8H68G-B: CFA5HC B  
7CB: 89B H5 @5B8 DFC DF-9H5FMBCH  
GSA H7Z B7' 5B8 G-5 @B C H69F90FC 8! 7 98  
C'F H5BG 9F98 HC C' H'9F 8C71A 9BHGCF  
847 @G98 HC C' H'9FC F1 98: C'F5BM  
D! FDC 9C' H'9F H5B H5HK <7 <4K 5G  
C'6H5898 K #<C I H'9F9DF9G98 K F H98  
7CB98HC: GSA H7Z B7'

8C' B'CH G7 5@9 8F5K B: G<99HG7 5 @9. %&  
B'G @5HC F. @7' D'Z7C @F. 6@57?  
7CBH57HC F H9FA B5@7CDD9F' 5 @C M

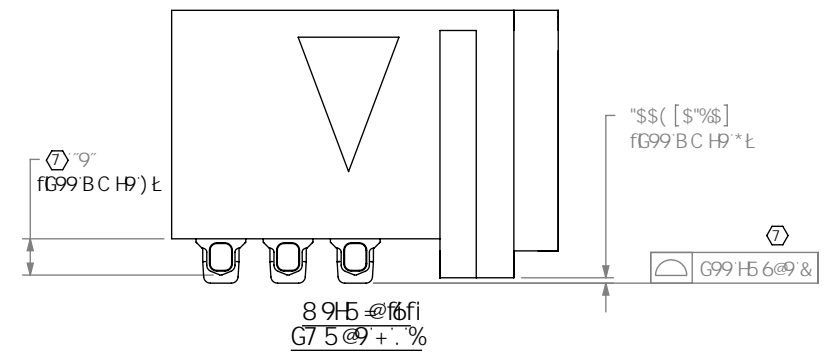
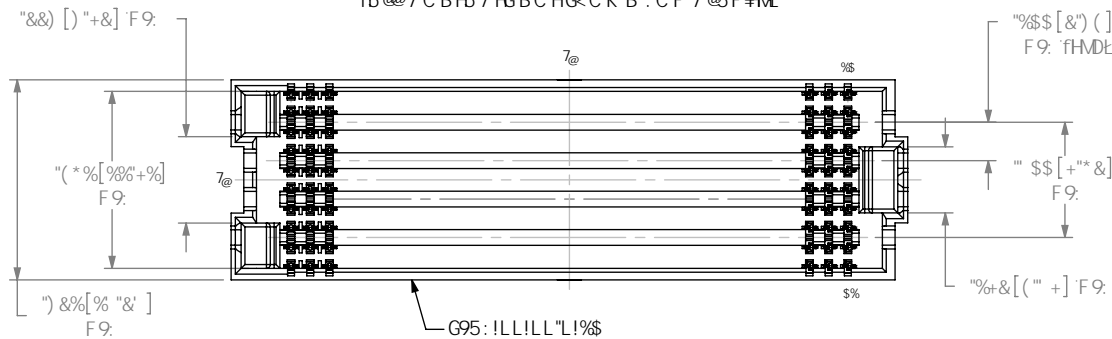
89G7 F@HC B.  
"\$D#7 < 'GC 7?9H5FF5M5G9A 6@M  
8K: "BC"  
G95: !LL!LL'L!LL!LL!LL!  
6M 6F5H7 <9F \$) #&+ #&\$\$( G<99H% C: \*

F9J €€ B 'L

```

: ÷ "&
!$. %$ FCK
fG5A 95G: ÷ "%ZL7 9DH5GG<CK BŁ
fG95: !'!$) "%$!LL!%G<CK BŁ
fB @@7 C B H 7 H G B C H G < C K B : C F 7 @ F + M

```



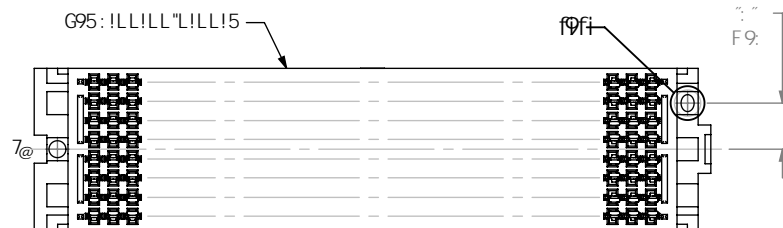
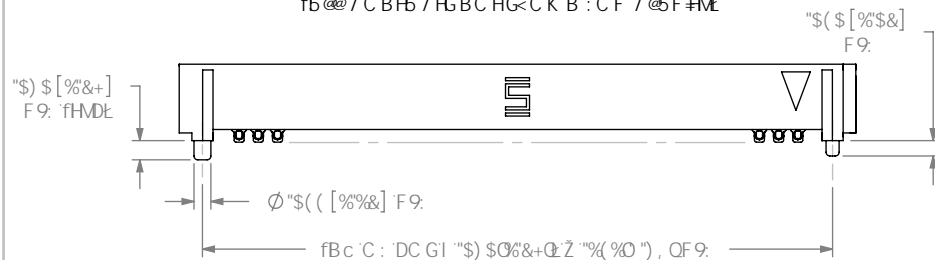
| POSITION   | FLATNESS  |
|------------|-----------|
| -10 TO -30 | .006[.15] |
| -40        | .009[.23] |
| -50        | .009[.23] |

| LEAD STYLE | "E"          |
|------------|--------------|
| -05.0      | .0270[0.686] |
| -06.0      | .0660[1.676] |
| -06.5      | .0860[1.422] |

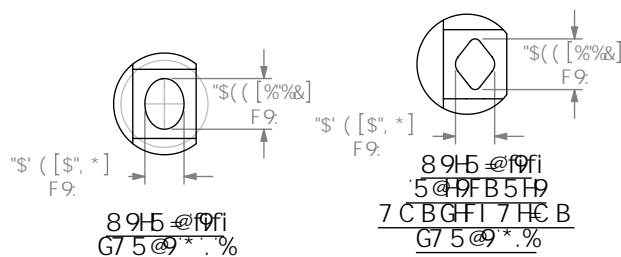
```

      :  =  " "
!5. 5@ BA 9BHD BGC DHC B
fG5A 95G :  "%9L 7 9DH5GG<CK B<
fG95! "$!$)"$!L!,"!%5'G<CK B<
f5 @7 C B f5 7 H G B C H G < C K B : C F 7 @ F H L

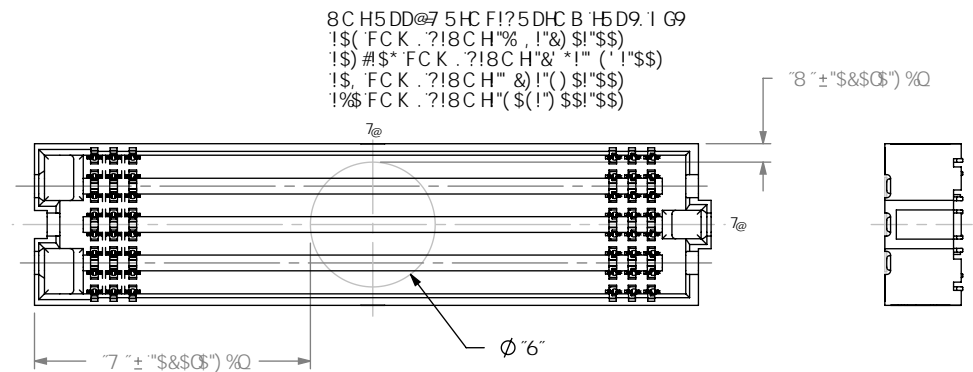
```



| No. OF ROWS | "F"        |
|-------------|------------|
| -04         | .079[2.01] |
| -05         | .120[3.05] |
| -06         | .120[3.05] |
| -08         | .120[3.05] |
| -10         | .120[3.05] |



!~?5DHC B'D58'C DHC B  
fG95:!' '\$!\$"!LL!\$,!%?'<C K B t  
fG5A 95G: ÷ "%9L79DH5GG<C K B t  
f5@@7C B H57HG B HG<C K B : CF 7 @F #M t  
fk5B8 D5791 G9?!, ) \$!\*) t



| TABLE 3  |               |   |              |
|----------|---------------|---|--------------|
| ROW      | "B"           | "C"   | "D"          |
| -04      | 0.138 [3.50]  | (((No Of POS x .050[1.27]) + .263[6.68]) - "B") / 2 | 0.042 [1.07] |
| -05_ -06 | 0.236 [6.00]  |   | 0.043 [1.09] |
| -08      | 0.325 [8.25]  |   | 0.048 [1.22] |
| -10      | 0.404 [10.25] |   | 0.059 [1.50] |

DFC DF 95 FMBC H9  
H: G8C 71 A 9BH7CBH5BG8: CFA 5HC B  
H8: 98BH5@5B8 DFC DF 95 FMBC  
G5A H97 2 H7 5BB G 95@BC H69 F9DCB1 7 98  
C F H5BG 9F9H 98 C H: 9C 71 A 9BHC GF  
8 67 @C 99H C H: 9F GCF1 G98: C 98 5BM  
D1 FDC 9FC H: 9F H5 H5KH <7 < H: 5G  
C 6H5 98H K H: C1 H: 99LDF 9G98 K F H98  
7 C R 98H C: G5A H7 97 2 H7

8C "BCH" 7 5 9 8F5K B;

G< 99HG 7 5 9 &%

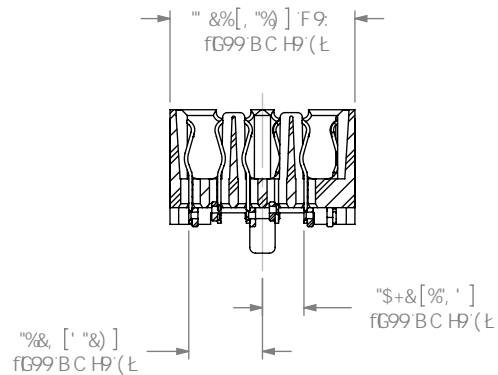
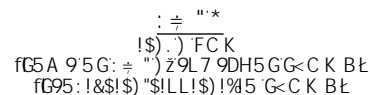
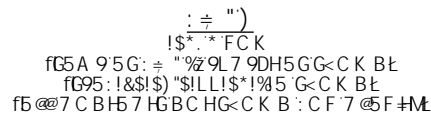


"\$) \$D#7 < 'GC 7 ?9H5 FF5 M5 GG9A 6@M

G95: !LL!LL"LL!LL!LL!LL!LL

|    |            |                 |             |
|----|------------|-----------------|-------------|
| 6M | 6F 5H7 <9F | \$) #&+ #&\$\$( | G<99H&°C: * |
|----|------------|-----------------|-------------|

F9J €€ B 'L

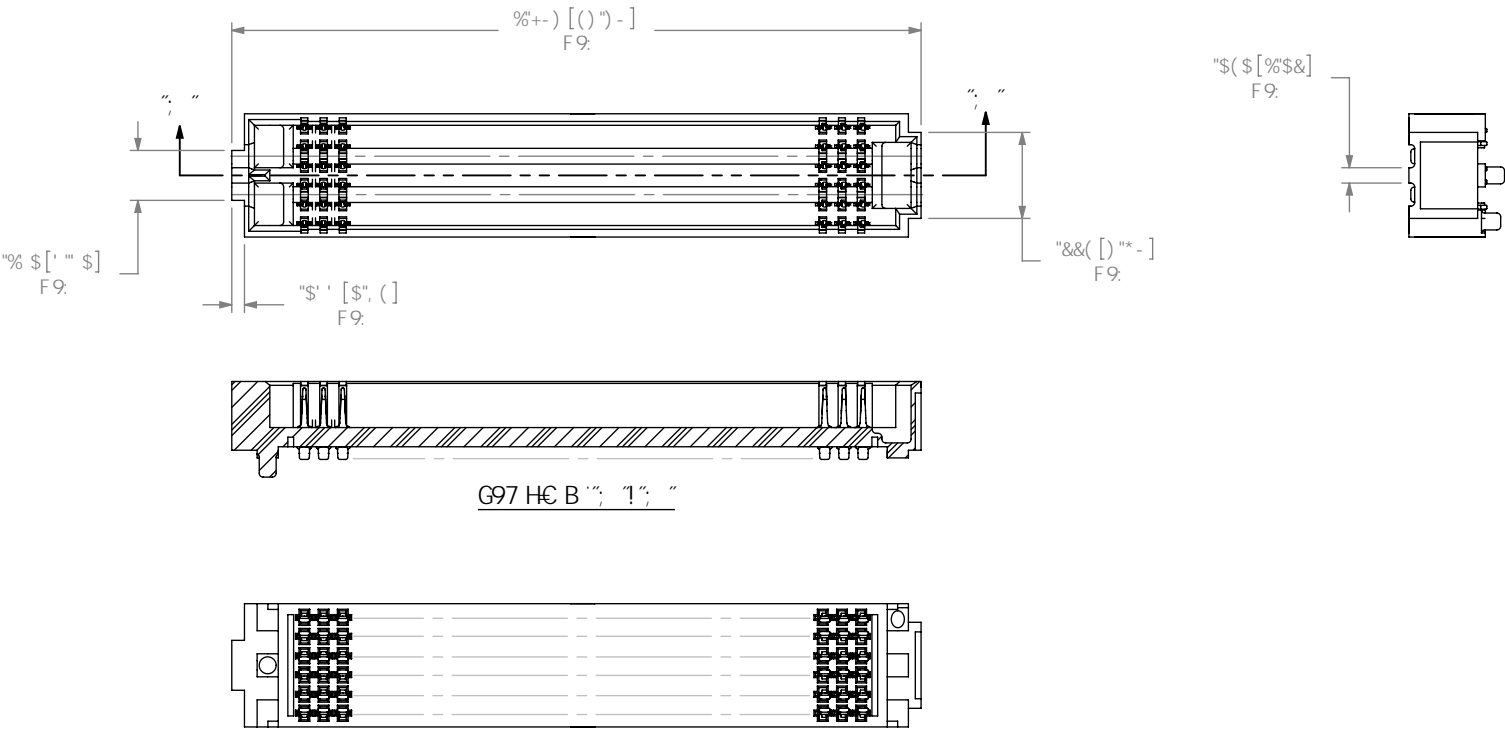



GK 99HG7 5 @ 9. % \$ " ' ' ' ' '

6M 6F 5 H7 < 9F \$) #&+ #&\$\$( G< 99H'...C: \*

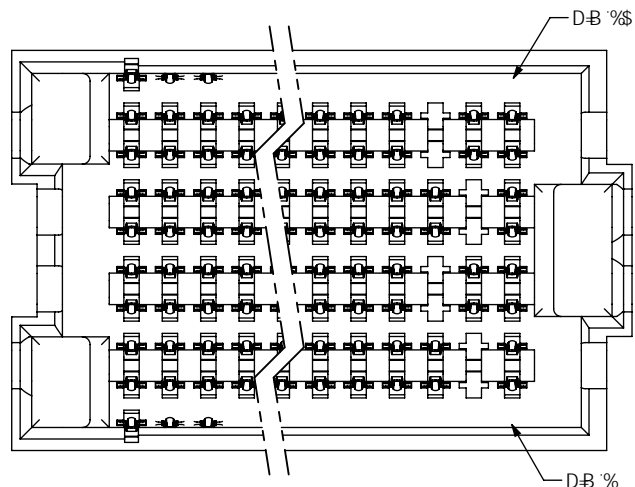
```
:.P8K : PA -67 PA ?H PG95:!!LL!L*L!LL!LL!L!LL!A ?HG@88FK
```

: 7 +  
 H!B: B`CH7 < C DHC B  
 fG5A 95G: ÷ "" z9L7 9DH5G<C K BŁ  
 fG95: !' \$!\$) "\$!LL!\$\*!%5!B' G<C K BŁ  
 fl\$) "\$ @958 GHM@C B@M  
 fB @@7 C B H57 HGBC HG<C K B: C F'7 @5F #MŁ  
 H 1' BC HF 9@95 G9 DFC 8I 7 HC B

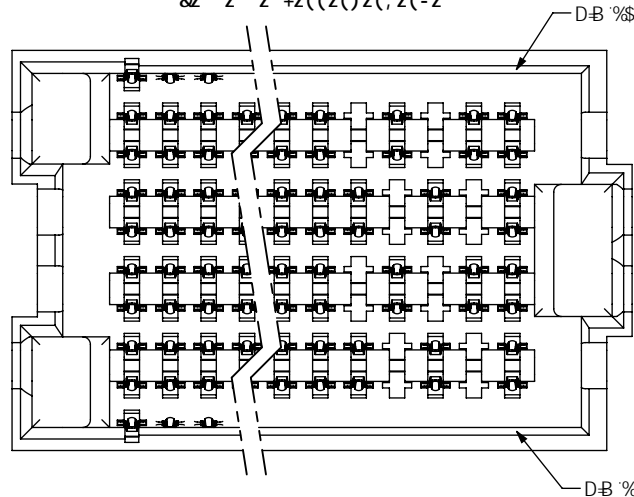


|  |   |
|--|---|
| <p>DFC DF 95 FMBC H9</p> <p>H: €8C 7I A 98H7 C B H5 BG € C FA 5HC B<br/>         7 C B: €98 H€ 05B8 DFC DF 4H5 FMHC<br/>         GSA H97 Z 47 *5B8 G&lt;5@HBC H69 F9DFC 8I 7 98<br/>         C F H F5BG 9F F98 HC C H: 9F 8C 7I A 98HC F<br/>         8 47 @C 98 H C H: 9F GCF I 98: C F 5B M<br/>         DI FDC 09 C H: 9F H: 5B H: 5HK &lt;7 &lt; #HK 5G<br/>         C 6H5 B 98 K #€C I H H: 9 9 L DF 9C 98 K F #H8<br/>         7 C B G98 HC: GSA H97 Z 47 *</p> <p>8C 'BCH G7 5 @9 8F5K B:</p> <p>G&lt; 99HG7 5 @9 &amp; %</p> |  <p>) &amp;\$ D5F? '95GH6@ 8zB 9K '5 @5BMZ B' (+%) \$<br/>         D&lt;C B 9', %&amp;L - ((! * + ' .....: 5L', %&amp;L - (, !) \$( +<br/>         YIA UJ]. `b z 4 GSA H97 `Wc a .....`Wc XY.)' ) &amp;&amp;</p> <p>8 9G7 F 4HC B.</p> <p>"\$) \$'D #7 &lt; 'GC 7 ? 9H5 FF 5 M5 GG9A 6 @M</p> <p>8K: "BC"</p> <p>G95: !LL!LL "L!LL!LL!L!LL</p> <p>6M 6F5H7 &lt; 9F \$) #&amp;+ #&amp;\$\$( G&lt; 99H('C: *</p> |
|--|---|

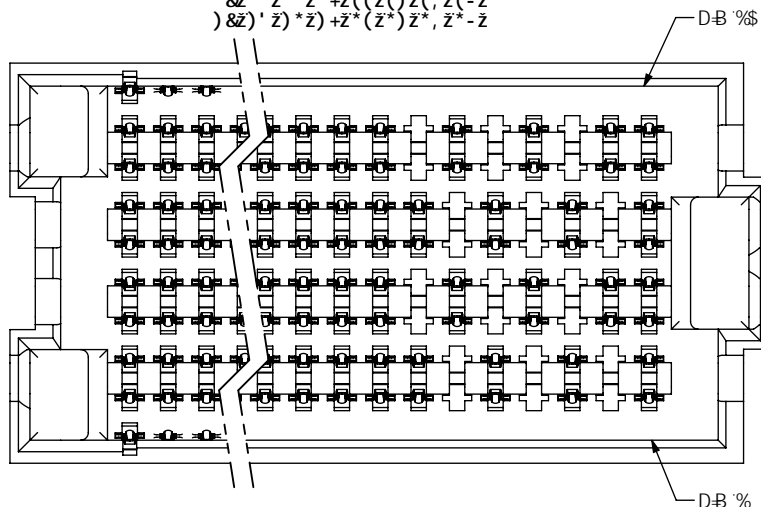
G95:!' \$!\$)"\$!LL!%\$!&\$(  
 D-BGCA #H98 %&Z% Z%Z%+Z&(Z&)Z&,Z&-



995:!' \$!) "\$!LL!%\$!& \$,  
 D-BGCA +HDS %&Z%' Z%' Z%+Z& (Z&) Z&, Z&-  
 ' &Z' ' Z' \*Z' +Z((Z') Z( Z(-Z

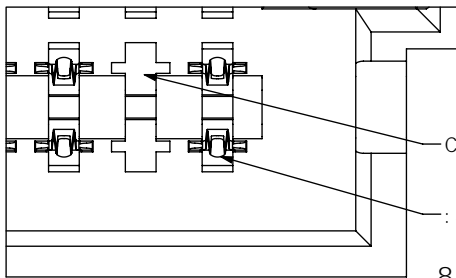
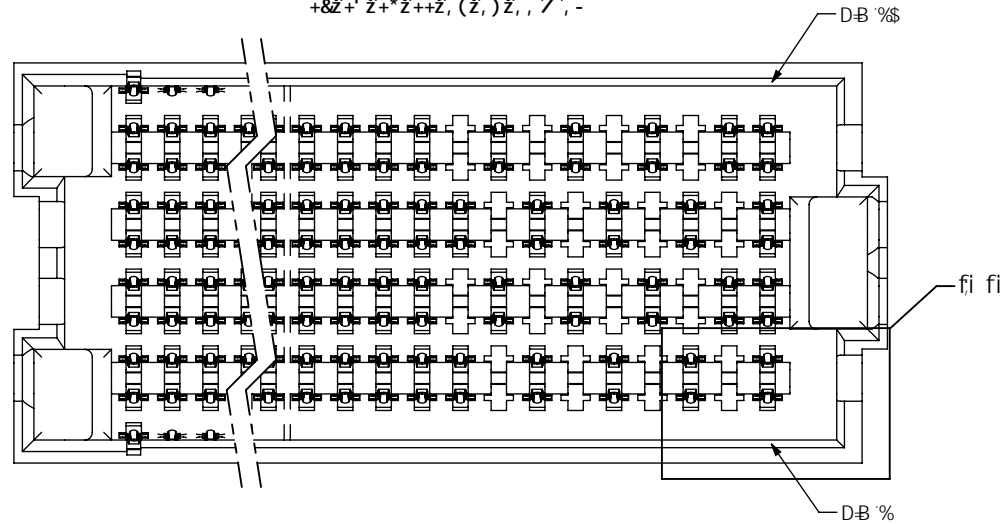


: ÷ "'%\$  
 G95:!' \$!\$)'\$!|!|!%\$!&!%&  
 D-BGCA #H98 '%&Z% 'Z%'Z'+Z&((Z&)Z&, Z&-  
 ' &Z' 'Z' \*Z' +Z((Z()Z(), Z(-Z  
 ) &Z' 'Z' \*Z' +Z(\*Z')Z\* \*Z'-Z



: ÷ " %%

G95: ! '\$)'\$!|L|%'&!&!\*  
D-BGCA #H08 %&% %' %&% %&'& (&) &&, &&-  
' &&' ' &' \*&' +(((&)( &(-&  
) &&' )&' \*&' +&' (&' )&' \*&' , \*&-  
+&z+' &' \*&' +&+&', (&), &', / , -


$$\frac{8915 \text{ @fi fi}}{G75 \text{ @9' . \%}}$$

DFC DF ~~9~~5 FMBCH9  
C 71A 98H7C8H5BG8:CFA 5HC B  
-89BH5@5B8 DFC DF ~~9~~5 FMBCH  
9724B7\*5B8 G-5@BC H69DFC81 798  
5BG9F98 HC Ck-9F 8C71A 98HGC F  
C98 HC Ck:9FGCF1G98:CF5BM  
C9Ck:9F1k:5B1k:5HK <7 <4k 5G  
B98 K 4k:C1Hk:99DF9C98 K F4H9  
98BH:C GSA19724B7\*

8C`BCH`G7 5@9`8F5K B:

G< 99HG7 5 9. (.%



)&\$D5F? 95GH6@ 8zB9K '5@65BMz-B'(+%)\$  
D<C B9.,%&!-( (!\*+' .....: 5L.,%&!-(,!)\$(+  
YIA UJ. 'b7: 4 G5A H97 "Wca ..... WcXY.))' &8

89G7 F-DEH B.

"\$) \$'D#7 < 'GC 7 ? 9H5 FF5 M5 GG9A 6@M

8K : "BC"

G95: !LL!LL"L!LL!LL!L!LL

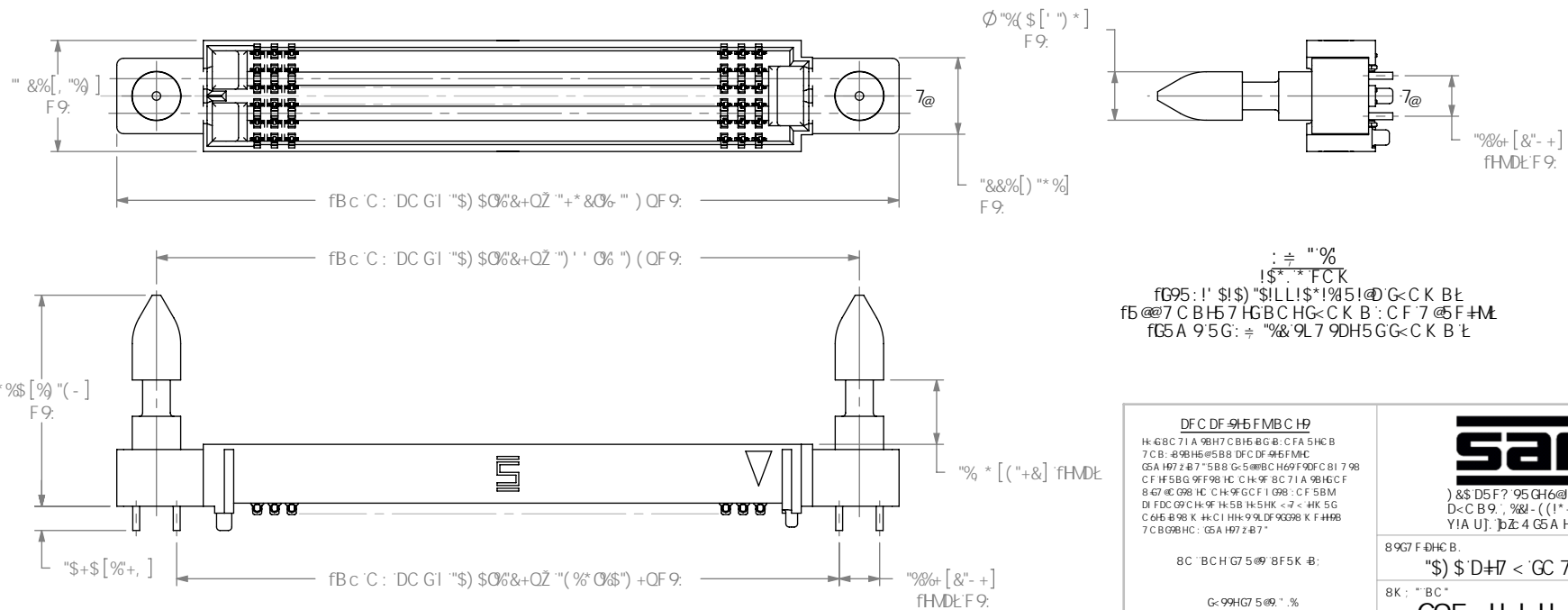
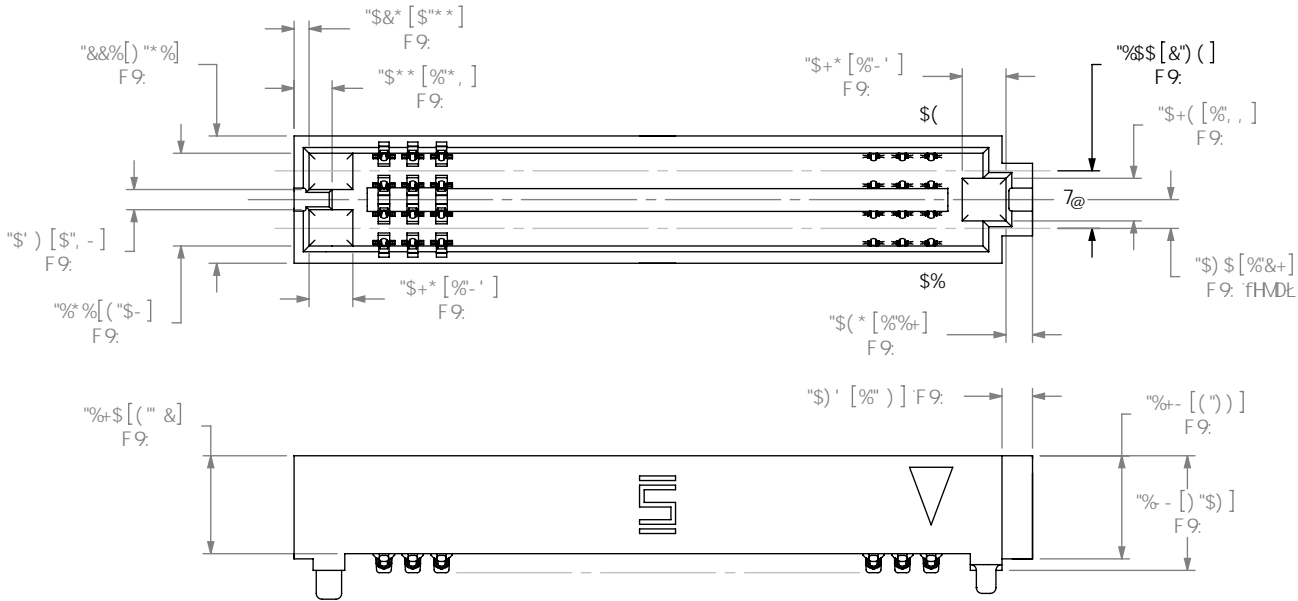
6M 6F5H7<9F \$) #&+ #&\$\$( G<99H)'`C: \*

F9J €€ B 'L

```

: ÷ "%&
!$(.( FCK
fG95: !&!$) "%$!LL!(%$5 G<CK BŁ
fB@@7CBH57HGBHG<CKB: CF7@5F+MŁ
fG5A 95G: ÷ "%9L79DH55G<CK BŁ

```



```

: ÷ "%
!$%&'*FCK
fG95:!' $!$) "$!LL!"!%5!@G<C K B Ł
f5@@7CBH57HGBCHG<C K B : CF 7 @5F+MŁ
fG5A 9'5G: ÷ "%&9L79DH5GG<C K B Ł

```

DF C DF 9H5 F M B C H9

H: 46C71A 98H7CBH5BG8: CFA5HC8  
7CB: 89H5@5B8 DFCDF@6FMIHC  
GSA H97Z47" 5B8 G: @6BC6H9DFC81798  
CFH5BG9F98HC CH: 9F8C71A 98HGC  
8: 67 @G98 HC CH: 9FGCF1G98: CF5BM  
DI FDCG9CH: 9F1K5B1K5HK <7< @HK5G  
C6H5B98 K @K: C1HH: 9FLDFG988 K F@H8  
CB8G98HC: CFAH97Z47"

8C "BCH'G7 5@9'8F5K B;

G< 99HG7 5@9." .%

**samtec**

89G7 F DHC B.

"\$) \$'D#7 < 'GC 7 ? 9H5 FF 5 M5 GG9A 6@M

8K ; "BC"

G95: !LL!LL"L!LL!LL!L!LL

|    |              |                 |              |
|----|--------------|-----------------|--------------|
| 6M | 6F 5 H7 < 9F | \$) #&+ #&\$\$( | G< 99H*·C: * |
|----|--------------|-----------------|--------------|

..P8K ; PA 67 PA ?H PG95:ILL!LL!L!LL!LL!L!LL!A ?HG@88FK