

BCHPG
% (Z) 9DF9G9BHG5 7FH75@8A 9BGC B"
&A B A I A D G C I H: CF79 .S+)>GG
" D5FHGHC 6D D575: 98 -B HF5MIG B@GG!HF C DHC B: G G9@97 H98"
() FCK C G@9 F H5 G@9 F B C H G M A 9 F F 7 5 @ K H: 6 C 8 M K -B H:
" ! " + Q "" G / G99: - " + Z G 99H(C
) " 7 " H: 69 B G D 97 H98 C D H 7 5 @ M K < C F: C 7 I G98 C B H: G G F: 57 9
" * B A 9BGC B H C 69A 95G F98 F8 5 @: < I F 7 C F B 9 F G

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B c C : DC GHC BG
H!%& $Z!H!H!& Z! $Z!( $Z!) $
fD9F C K L @958 G H M9
!$&$ fD99 H5 6 6 9 % & L
!$ " $ " $fD99 H5 6 6 9 % & L
!$ " ) fD99 H5 6 6 9 % & L
!$ " ) fD99 H5 6 6 9 - / % & L
!$ " $ fD99 H5 6 6 9 - / % & L
!$ " $ fD99 H5 6 6 9 - / % & L
!%&$ fD99 H5 6 6 9 - / % & L
!%&$ fD99 H5 6 6 9 - / % & L
D 65 HB : GD97 ÷ 7 5 HC B
! @ @ < H : C 68 ÷ 7 C B H5 7 H
..... 5 F952A 5 H9 H6 C B H5 @
! fD958 G H M9 ! $ & " H F I ! $ " ) .
..... ! G9 G 6 H ! A " * ! L L " ! Q L E
..... ! fD958 G H M9 ! $ " ) " H F I ! % $ .
..... ! G9 G 6 H ! A " , ! L L " ! Q L E
! G A : G997 H J 9 : C 68 ÷ 7 C B H5 7 H
..... 5 F952A 5 H9 H6 C B H5 @
! fD958 G H M9 ! $ & " H F I ! $ " ) .
..... ! G9 G 6 H ! A " * ! L L " ! Q L E
! fD958 G H M9 ! $ " ) " H F I ! % $ .
..... ! G9 G 6 H ! A " , ! L L " ! Q L E
! G G997 H J 9 : C 68 ÷ 7 C B H5 7 H
..... 5 F952A 5 H9 H6 C B H5 @
! fD958 G H M9 ! $ & " H F I ! $ " ) .
..... ! G9 G 6 H ! A " * ! L L " ! Q L E
! fD958 G H M9 ! $ " ) " H F I ! % $ .
..... ! G9 G 6 H ! A " , ! L L " ! Q L E
C DHC B
I5 . 5 @ : BA 98 H D B
..... fD99 : ÷ " Z G C H L
..... fBC H5 J 5 6 6 9 K H K ! % - DC G H C B L
! ? . 75 D H C B D58
..... fD99 : ÷ " ( Z G C H L
..... 8 C H5 D D 7 5 H C F I ? 5 D H C B H5 D9 "
..... ! $ ( F C K . ! G9 ? ! 8 C H " , ! % ) $ ! " $ $ )
..... ! $ ) # $ " F C K . ! G9 ? ! 8 C H " & " ! " ( ! " $ $ )
..... ! $ . F C K . ! G9 ? ! 8 C H " & ! " ( ! " $ $ )
..... ! % $ F C K . ! G9 ? ! 8 C H " ( $ ! " ) $ ! " $ $ )
! H F . H5 D9 / F99 @
! H ! . D : ! 89 D C H
..... fD99 : ÷ " Z G C H L
..... fC B @ M5 J 5 6 6 9 K H K ! $ & " @ 958
..... G H M9 Z ( / " F C K Z & Z $ Z ( Z /
..... ) $ DC G H C B L
! H ! $ . 8 : D5 F2 fD99 : ÷ " - Z G C H L
..... fC B @ M5 J 5 6 6 9 B
..... % $ F C K Z " $ DC G H C B L
! H ! $ . 8 : D5 F2 fD99 : ÷ " % $ Z G C H L
..... fC B @ M5 J 5 6 6 9 B
..... % $ F C K Z " $ DC G H C B L
! H ! % & . 8 : D5 F2 fD99 : ÷ " % $ Z G C H L
..... fC B @ M5 J 5 6 6 9 B
..... % $ F C K Z " $ DC G H C B L
! H ! % . 8 : D5 F2 fD99 : ÷ " % $ Z G C H L
..... fC B @ M5 J 5 6 6 9 B
..... % $ F C K Z " $ DC G H C B L
G C 68 9 F ' 7 C A DC G H C B / G H M9
! % " * ! H B " # @ 958

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IS( ( FCK Gf999 : ÷ " %ZG<H+L
... FBCH5J5 <6@9 B " %958 GfH99L
[ ] ) FCK Gf999 : ÷ " +ZG<H(L
... fH!$+"$211!$:"$211!%6$/
... !1!$+"958 GfH99G !&$2! $2!( $Z/ ! ) $ DC GfH<BQ<
IS* FCK Gf999 : ÷ " ZG<H(L
... fH!$+"$211!$:"$211!%6$/ !1! "$958 GfH99G !&$2
... ! $2!( $Z/ ! ) $ DC GfH<BQ<
IS. : FCK Gf999 : ÷ " %ZG<H+L
!%$ FCK G
... f999 : ÷ " &ZG<H+L

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I'1'BC HHC C @98
H'1'BC HF9@95G98 : CF'DFC 8I 7 HC B
fG99'G<99H' : CF '@958'G'M9G!$*)' HkFI '!% "$k

```

TABLE 1

STYLE	"J"	BODY CALLOUT
-02.0	0.181 [4.60]	SEAM-XX-02.0-XX-X
-03.0	0.220 [5.59]	SEAM-XX-03.0-XX-X
-03.5	0.240 [6.10]	SEAM-XX-03.5-XX-X

fG99'G< 99H' : C F @958 'GME9G!\$+ "\$'HkFI '!% "\$t

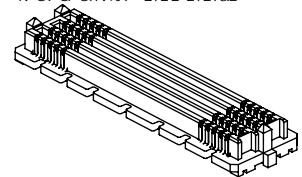
[illegible]

No. OF ROWS	"E"	"F"	"G"	"H"
-04	.278[7.06]	.152[3.86]	.100[2.54]	.050[1.27]
-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]

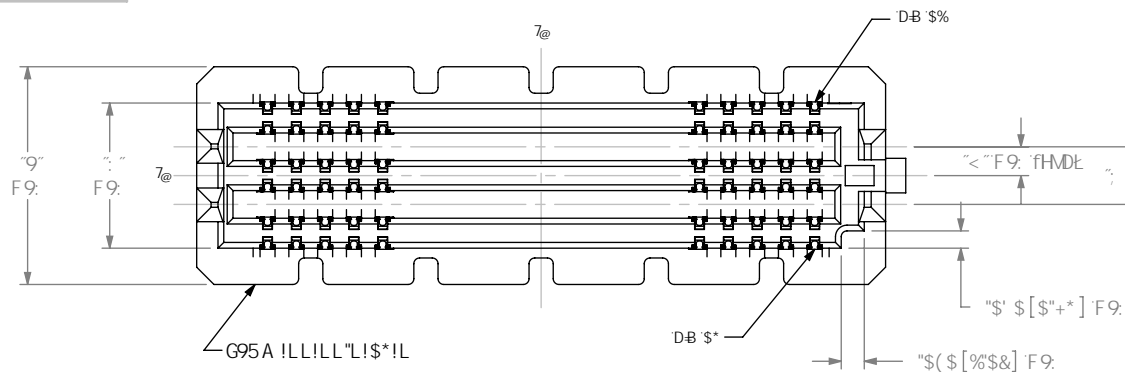
)&\$D5F? 95GH6@ 8zB9K 5@5BM:B (+) \$
D<C B9. %&!- ((!*+': 5L. %&!- (!) \$(+
Y!A U]. bZc 4 G5A H97 "Wc a WcXY.)' &&

A5HF5@ 8C`BCH'G75@9 8F5K`B; G<99HG7 5@9.&.%
 BG @5HC.F.@7"DZ7C@CF.6@57?
 H9FA`B5@7CDD9F'5@C.M

89G7 F DHC B.
"\$) \$D#7 < H9FA B5 @5FF5M5G9A 6M
8K: "BC"
G95A !LL!LL "L!LL!LL!L!LL
6M 6F5H7 <9F \$* \$8#&\$\$(G-99H%C: +



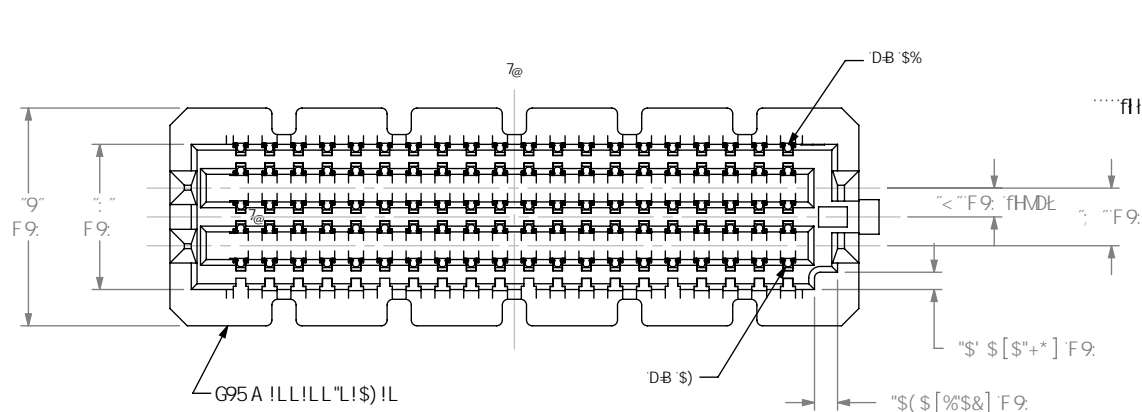
WPYbHfIdIyUiTP8K:PA67PA?H PG95A!LLILL*!ILL!ILL!ILLIA?HG88FK



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      : ÷ " *
      ! $ % & ' F C K G
fG5A 95G: ÷ "%9L7 9DH5GG<CK BŁ
fc95A !&$!$%!LL!%!!L!5'G<CK BŁ
!Ł-$!Z!H!%$Z/ !!% @$58 G-HV9G !&$!% Z!(($Z/ !)'DC G+HC BŁ
fGC A 9 7 9BİPF: 95H F9GBCHG<CK B: CF 7 @F+MŁ

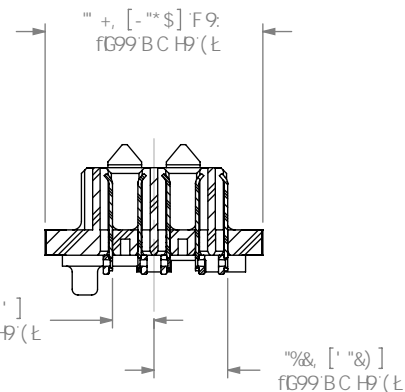
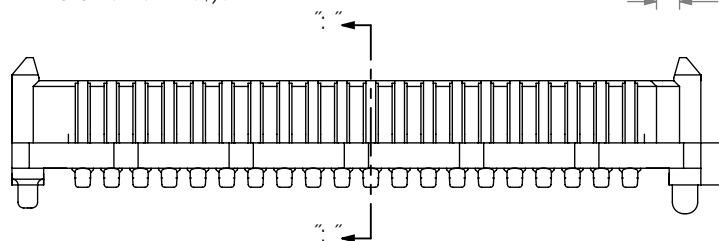
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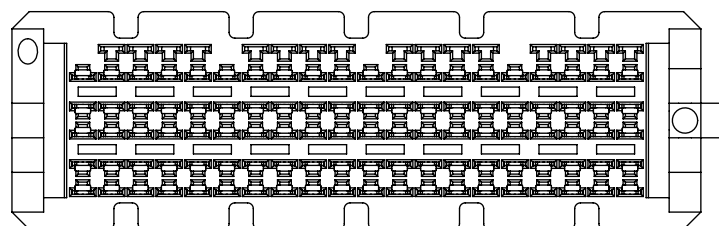
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      : ÷ " +
      !$.) FCK G
f05A 95G: ÷ ""*Z9L7 9DH56G<C K Bt
f095A !&$!&$!"!!!)!L!5 G<C K BE
.....f!!!$+ "$z!!!$- "$z!!!!%$/ !!! $ @958 G-M9G !&$z! '$z!( $z/ !) $ DC G+HC B Gt
      f099B C H / (t

```



G97 H€ B " : " ! : "

[illegible]

8C "BCH" G7 5 9 8F5K B:

G<99HG7 5@9. " .%

santec

)&\$D5F? 95GH6@ 8zB9K 5@5BMzB (+% \$
D<C B9, %&-((!*+': 5L, %&-(, !)\$(+
Y!A U]. bZc 4 G5A H97 WcaWcXY.))' &&

8 9G7 F ~~DH~~ B.

"\$) \$'D#7 < 'H9FA #B5@5FF5M5GG9A 6@M

8K ; "BC"

G95 A !LL!LL"L!LL!LL!L!LL

6M	6F 5 H7 < 9F	\$* # \$&#&\$\$(G< 99H('`C: +
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HI: D: I 89DC GHC DHC B
fC B@M5J 5 6@K H: !&"\$ @58 GHM9Z(/ * FCK Z&\$Z' \$Z(\$Z/) \$DC GHC BGL
fG5A 95G: ÷ "%9L7 9DH5GG<CK BŁ
fG95A !&!!&"\$!LL!\$*!&5!; D'G<CK BŁ
fGC A 97CBH57HGBC HG<CK B': CF'7 @5F+MŁ
H'1'BC HF9@5G98: CF'DFC 8I 7HC B

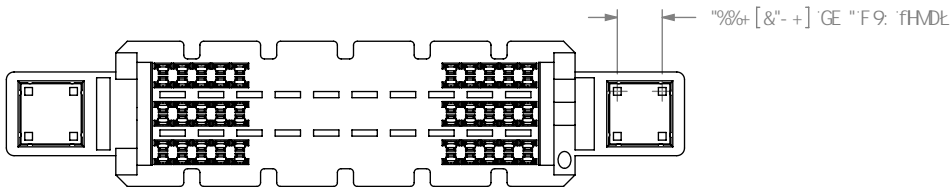
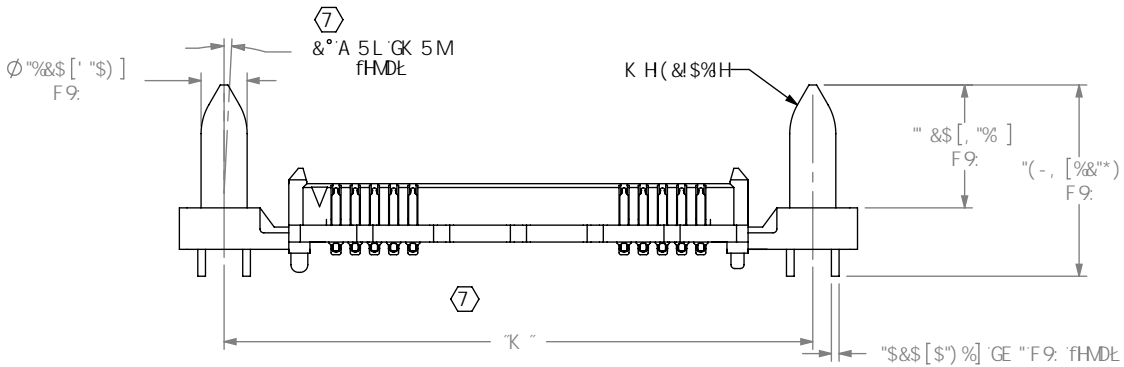
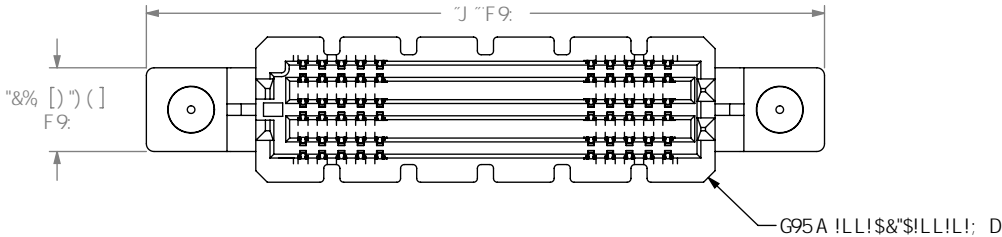


TABLE 14		
POSITIONS	"V"	"W"
-20	1.766[44.86]	1.533[38.94]
-30	2.266[57.56]	2.033[51.64]
-40	2.766[70.26]	2.533[64.34]
-50	3.266[82.96]	3.033[77.04]

DFC.DF-9H5FMBC.H9
H: 6BC 71A 9BH7CBH5BG B: CFA 5HC B
7CB: 89BH5B8 DFC DF 9H5FMBC
GSA H97Z 47"5B8 G: 5BHBC H69F9DFC 8I 798
CF HF5BG 9F98 HC CH: 9F 8C 71A 9BH6CF
847 @G98 HC CH: 9FGCF I 98: CF 5BM
DI FDC G9CH: 9F H: 5B H: 5HK <7 < H: 5G
C 6H5 B98 K H: C I H: 99LDF 9G98 K F H98
7CBG98HC: GSA H97Z 47"

8C B'CHG7 5@9 8F5K B:

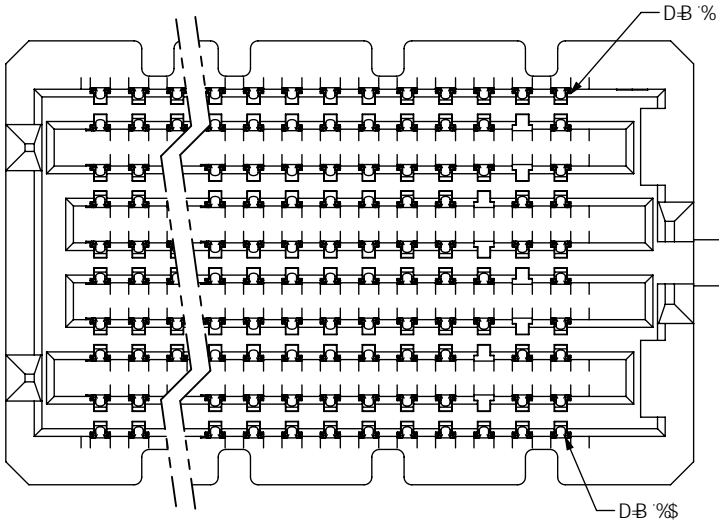
G: 99HG7 5@9 & %

santec

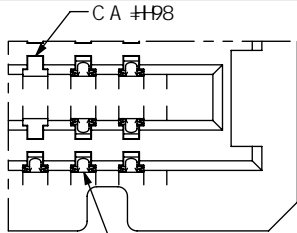
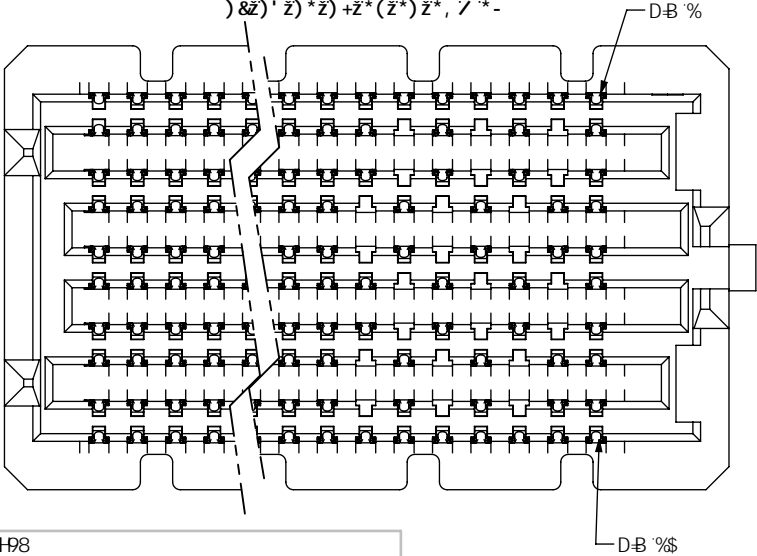
) &\$ D5F? 95GH6@ 8ZB9K 5@5BMZ-B'(+%) \$
D<C B9: , %&L-((!'+ 5L: , %&L- (, !) \$(+
YIA UJ: . bZ 4 GSA H97 Wta WEXY..))' &&

89G7 F@HC B:
"\$) \$D#7 < 'H9FA B5@5FF5M5G9A 6@M
8K: "BC"
G95A !LL!LL"L!LL!LL!LL
6M 6F5H7 < 9F \$* #&\$#&\$\$(G<99H)"C: +

: ÷ "''-
!%\$.%\$FCK
fG95A !' '\$!\$&"\$!LL!%\$!&!\$('G<CK BŁ
DBGCA #H8 %&z% z%& z%+z&(z&) z&, / &-



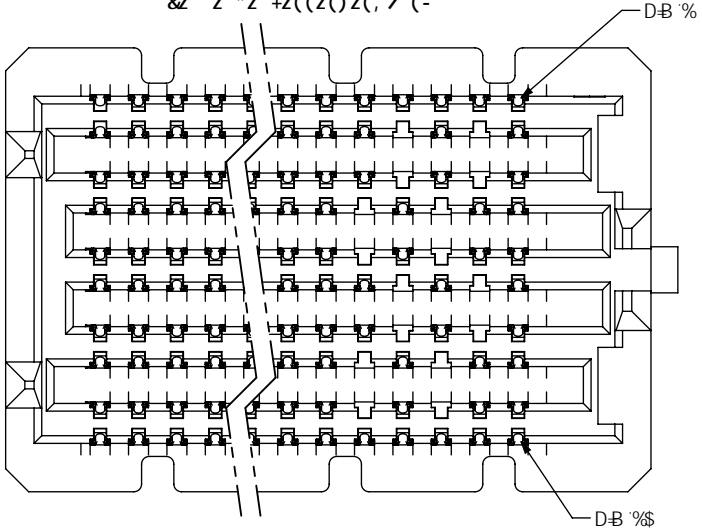
: ÷ "''%&
!%\$.%\$FCK
fG95A !' '\$!\$&"\$!LL!%\$!&!%&'G<CK BŁ
DBGCA #H8 %&z% z%& z%+z&(z&) z&, z&-
' &z' ' z' * z' +z((z()) z(- z(-
) &z)' z) * z) +z*(z*) z*, / '*-



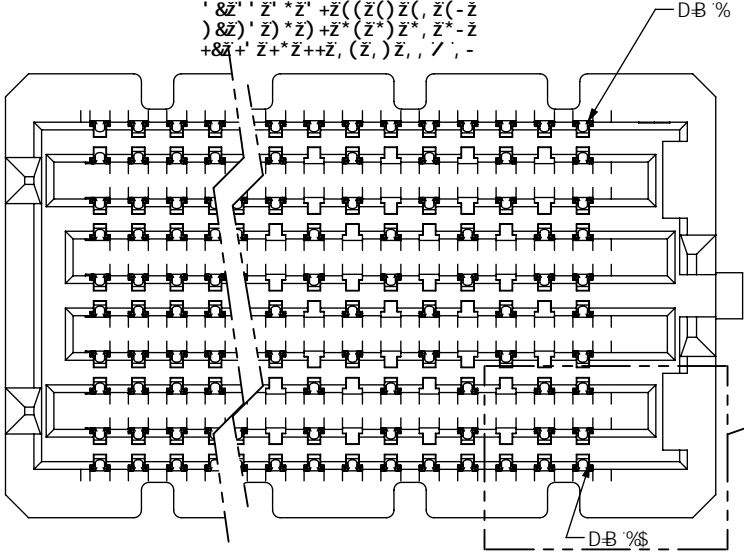
8 9H5 @fi fi
G75 @9) . %

: @@98

: ÷ "''%\$
!%\$.%\$FCK
fG95A !' '\$!\$&"\$!LL!%\$!&!\$('G<CK BŁ
DBGCA #H8 %&z% z%& z%+z&(z&) z&, z&-
' &z' ' z' * z' +z((z()) z(- z(-



: ÷ "''%&
!%\$.%\$FCK
fG95A !' '\$!\$&"\$!LL!%\$!&!%&'G<CK BŁ
DBGCA #H8 %&z% z%& z%+z&(z&) z&, z&-
' &z' ' z' * z' +z((z()) z(- z(- z(-
) &z)' z) * z) +z*(z*) z*, z*- z-
+&z+ z'+z+z+(z, z), / , -



DFC.DF-9H5FMBCI9
H-6BC71A 98H7CB16BG8-CFA5HC8
7CB-898H65B8DFC.DF-9H5FMBCI9
GSAH97247"5B8G-5mmBC H69F90FC81798
CFHF5BG9FF98HCCH-9F8C71A98H6CF
847@C98HCCH-9FGCF1G98-CF5BM
DIFDC09CH-9FHH-5BH-5HK<7<4HK5G
C6H5B98K+KCIHH-9LDF9G98KFH#H8
7CB98HC:GSAH97247"

8C' B'CHG75 @9 8F5K 8:

G<99HG75 @9 (.%

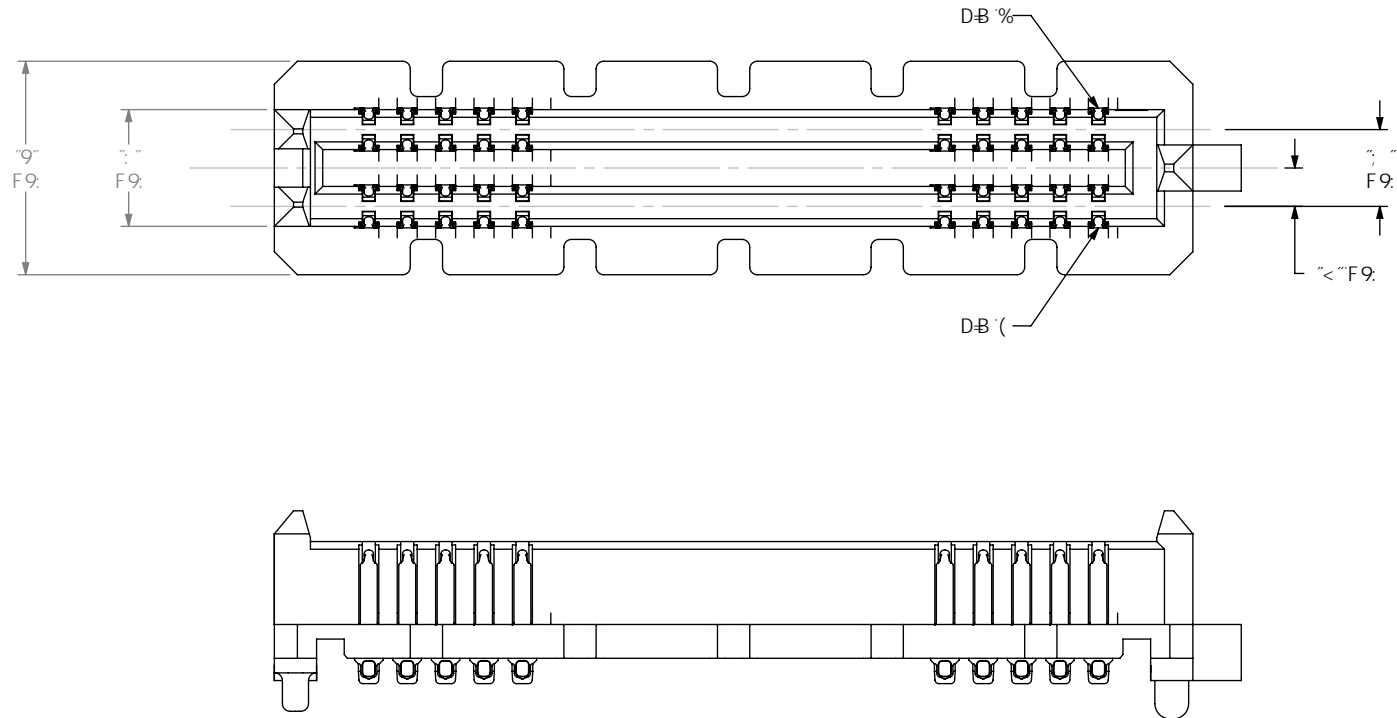


)&\$D5F? 95GH6@ 8ZB9K 5@5BM-B'(+)% \$
D<CB9', %&L-((!'+ SL', %&L-(, !)\$ (+
YIA UJ: j&4 GSA H97 WtA W&XY.)' &&
89G7 F@HC B.
"\$) \$ D#7 < 'H9FA B5@5FF5M5G9A 6@M
8K: "BC"
G95A !LL!LL"L!LL!LL!LL!
6M 6F5H7 <9F \$* #&#&\$\$(G<99H"C: +

```

: ÷ "%
!$( ' 'CK B
fG5A 9'5G: ÷ "%9L 7 9DH5GG<CK BŁ
fG95A !&$!$&'!LL!$!%5 G<CK BŁ
fGC A 9'7 9BHf : 95H f9GBC HG<CK B : CF 7 @5F+ML

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[illegible]