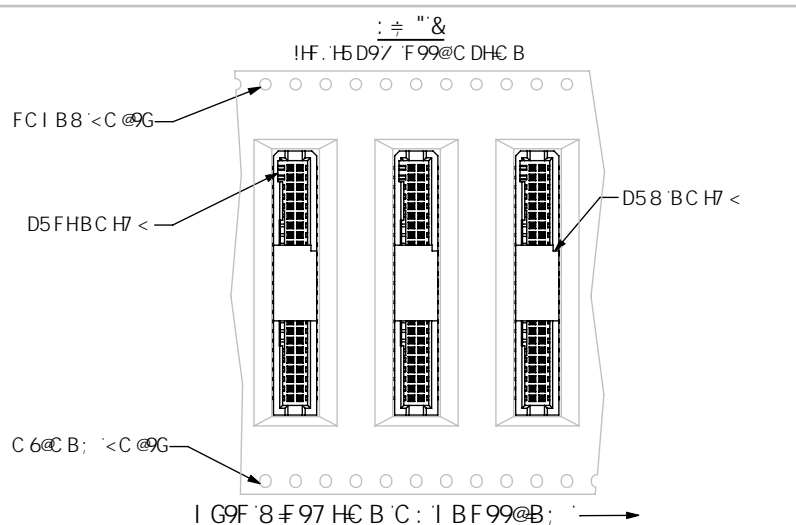
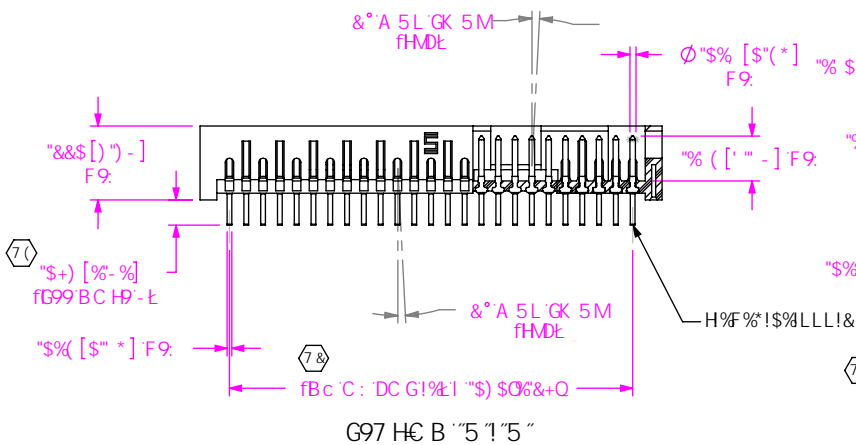
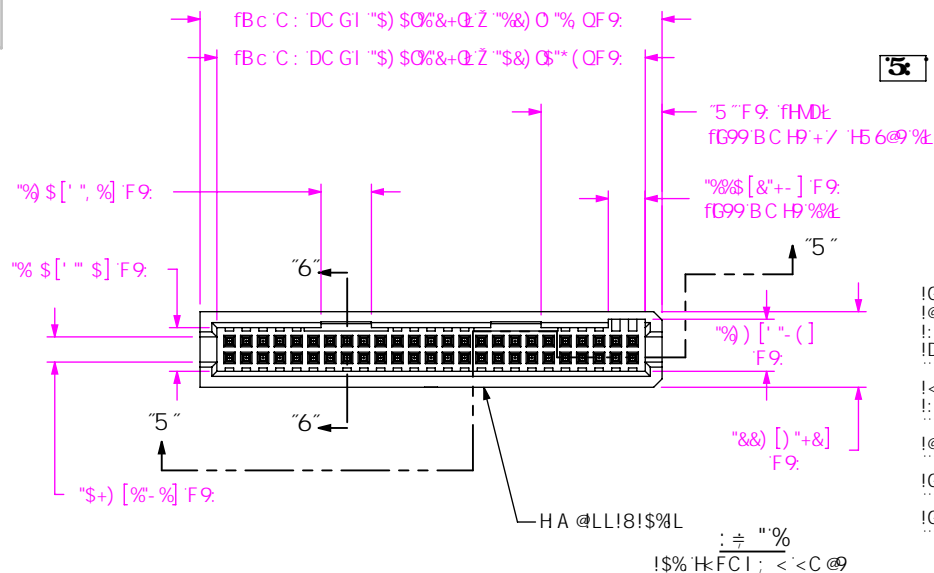


F9J €€ B '5:

8C BC H
G7 5@9: FC A
Hk GDF BH



HA @%LL!LL!LLL!8!LL

5 Bc C: DC G+H CBG
!\$) Z\$+Z% Hk FI !)\$
fD9f FCK t

5 6@9%
@958 GHM9
!\$% Hk FCI: < < C @
fG99: ÷ "%t
!\$& G F: 579 A C I B H
fG99: ÷ " ZG-H&t

D@5HB; GD97 ÷ 7 5H€B

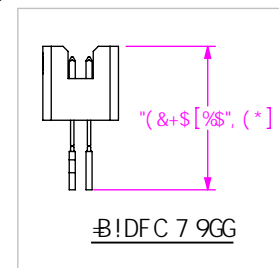
1G G997H 9fl G9H9F%!!LL!QLL
1@ @<H997H 9fl G9H9F%!!LL!@L
!@: @G: @B fl G9H9F%!!LL!@L
!D: @B: @G: D5 @B8#A 'B-?79@
!@: fl G9H9F%!!LL!DLE
!< <95J M: @B fl G9H9F%!!LL!<LL
!A: G997H 9: @G<: @BZA 5H9HB 'B @
!@: fl G9H9F%!!LL!LL
!@A G997H 9@< <H: @BZA 5H9HB 'B @
fl G9H9F%!!LL!@L
!GA G997H 9<95J M: @BZA 5H9HB 'B @
fl G9H9F%!!LL!QLL
!GH@ G997H 9HB @958
fl G9H9F%!!LL!GH@L

— C D H € B

!5. 5@: BA 9BHD'B f G9HA @LL!8!\$%\$5t
 ...fG99: = "+ZG-H' t
 !@. !C 7? B: 7 @f f G9 @!)\$! H t
 ...fG99: = "+ZG-H' ZB #5 C B f F5 C DHC B t
 !D. D-7 / 'D'5 f9D58 f G9 DDD!\$ t
 ...fB f 5 @B 5 @C DHC B GZB #5 C B f F5
 C DHC B Zf G99: = ") ZG-H' t
 !F5. F C <H5B: @f f958 G-M@!\$%C B @M
 ...fG99: = ") ZG-H&t
 !H. HD9 / F99@fG99: = "&t
 !G5. G95?98 5 @: BA 9BHD'B f G9GA !5) t
 ...fG99: = "+ZG-H' t
 !?. DC @V5A -@: @f f G9?!)\$!\$ \$ \$t
 ...fG99: = "+ZG-H&t
 !GB. GC @9F B5 @f f G9HA @LL!8!\$%B /
 "K H &!56@f fG99: = "%\$Z<99H t
 !F5 f 5 @B C B \$!\$ @958 G-M@ C B @M

FC K GD97 ÷ 7 5 H€ B

!8.8C|6@9FCK



BC H9G.

```

"% 7 F9DF9GBHG:5 7F#75@8A 9BGC B'
& 7 C D@B5F#MDC G#HCBG!&#F#F !&' '$$(%'$Q
                                DC G#HCBG!&#F#F !&' '$$(%'$Q
7 "A 5B1: 57FHFB: #D1DFC 79GGB8A 9BGC#B
8G9< B98 HC 57< 9J9: B G< 98 5G99A 6M
(" A B A I A D I G C I H: C F 7 9: % $ @ Q " ( B Q
(" A 5 L A I A 5 @ C K 5 6 9 6 C K: '$$ ( B 7 < # B 7 <
(" % $ $ A A # A G: H F 5 G 9 9 A 6 M
**A 95 G 9 9 B: F C A 6 9 B 8
+ " D C G H C B G I: 5 B 8 ! $ + K @ @ B C M < 5 J 9 C B 9 7 @

```

```

+ DC G H C B G I $ 5 H 8 ! $ K @ @ C B @ V K 5 J 9 C B 9 / @
5H8 A 9 B G C B G C K B /
.....DC G H C B G I % H F C I : < ! ( K @ @ < 5 J 9 C B @ M
.....C B 9 7 @ 5 H 8 A 9 B G C B G C K B /
.....DC G H C B G I & H F C I : < ! ( K @ @ < 5 J 9 H K C
.....7 @ D G 5 H 8 A 9 B G C B G C K B /
.....DC G H C B G I ' ) H F C I : < ! ) $ K @ @ < 5 J 9 H F 9 9
.....7 @ D G H K C 5 H 8 A 9 B G C B G C K B / C B 9
.....7 9 B H F 9 8 C B @ G @ H C F "
....." B C H 8 9 @ H 8 "
.....- " $ $ ' G $ Q A 5 L A I A H F A B 5 @ 6 I F F
% $ " $ $ G % Q A 5 L A I A < 9 > - H J 5 F 5 H C B 6 H K 9 9 B
5 B M K C D B G "

```

5) % 8 A 9 B G C B G B C H 5 D D @ 7 5 6 @ 9 : C F
..... (\$) 5 B 8 ! \$ + D C G H C B "

samtec

)&\$D5F?95GH6@8zB9K'5@65BM'B(+%)\$
D<C B9. %&!-((!*+': 5L. %&!-(,!)\$(+
Y!A U]. bZc 4 G5A H97 "Wca WcXY.)' &&

%	89	67	F	DHC	B.
---	----	----	---	-----	----

8K; "BC"	HA @%L!LL!LLL!8!LL
----------	--------------------

6M 895BD	(#, #- -	G<99H% C: (
----------	----------	-------------

H5 6@%	
BC C : DC G"	"5 "
9J 9B	" %%
C 8 8 f9L 7 @!\$) z\$+ DC Gz	" * \$
!) z\$+	"%%

```

1B@9G CH-9K @9 GD97 ÷9Z
8A 9BG@BG5F9-B B7<9G
HC@F5B79G'5F9.
897A5@.....5B; @9G
"LL.±$%.....&°
"LLL.±$$)
"LLLL.±$$$$$

```

DF C DF 9H5 FMBC H9

H: 68C71A 9B H7 C B H5 B G B: CFA 5HC B
7 C B: 89BH5@5B8 DFC DF 9F5 F MHC
GSA H7 Z B 7 * 5B8 G: 5@BC H69 F9DC 81 7 9B
C F H5 B G 9F 9F H C H: 9F 9C 71A 9B H G C F
8 67 @C G98 H C H: 9F G C F 1 8 C: 9F 5 B M
DI FDC G9C H: 9F H: 5B H: 5H K < 7 < H: K 5 G
C 6 H5 B 98 K H: K C 1 H: H: 97 D F G G98 K F H 9B
7 C B G98 H C: CFA 497 Z B 7 *

A5H5@
J97H59%\$27C@F.667?
7CBH57H'D<C'G6FCBN92H-7?B9GG"%\$

..P8K: PA 67 Pa h PHA @% LILLILLI!8ILLIA ?HG88FK

8C "BCH" G7 5 @ 9 " 8F5K B; G< 99HG7 5 @ 9. %+) .%

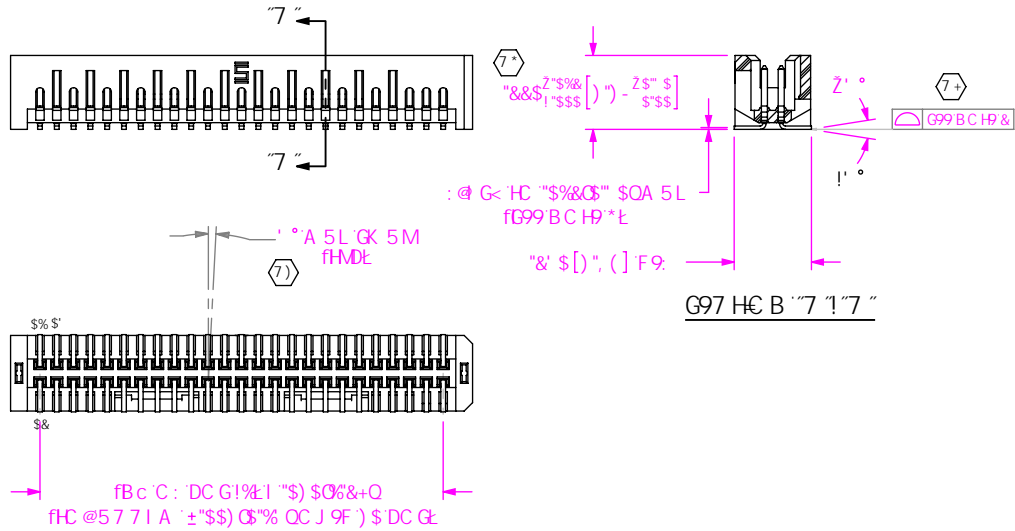
%	8 9G7 F DH € B
---	---------------------------

8K ; "BC"

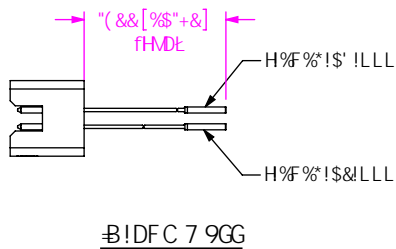
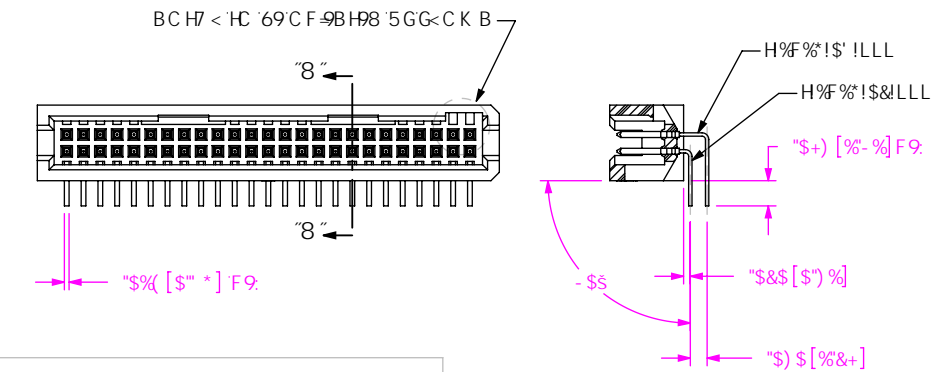
1.1. Aims and Objectives

F9J €€ B 5:

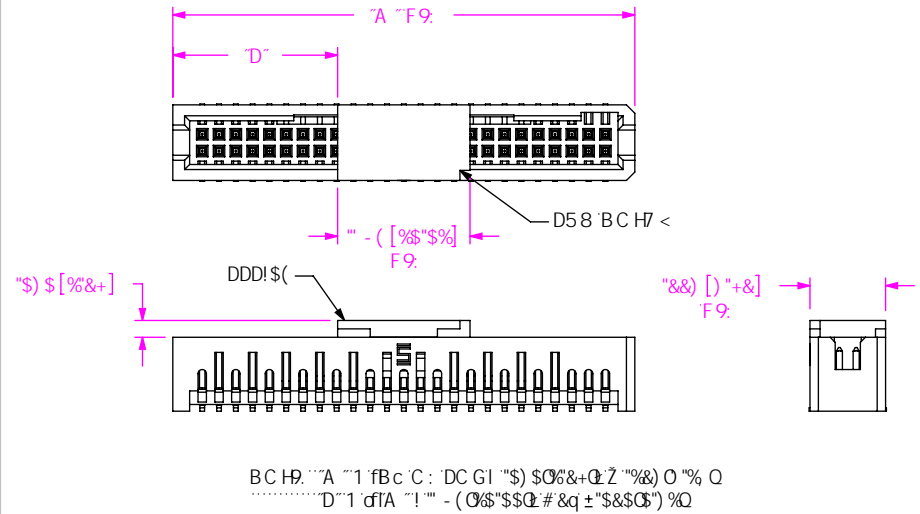
!\$&'G F: 579A C I BH
fG<CK B.'HA @%&!\$&LLL!8t
fG5A 9'5G: ÷ "%I B@9GC H-9FK -69GH5H8t



: ÷ "'(
 !F5. F ÷ <H5B; @°C DHC B
 fG<CK B.'HA @&)%\$!LLLL!8!F5t
 fG5A 9'5G: ÷ "%! B @GCG H 9FK -G 9G 5H98t



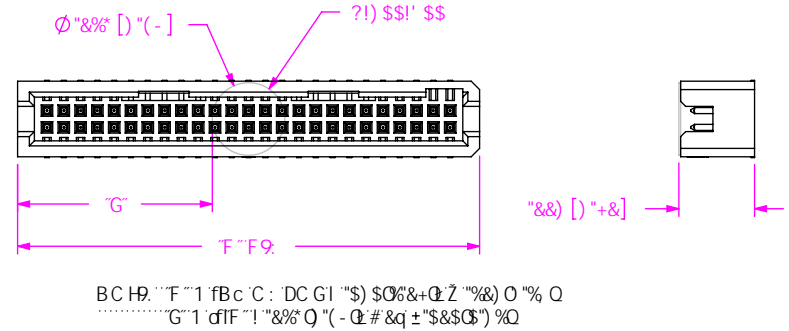
: ÷ ")
!D;D7?/ D@579D58°C DHC B
fG<CK B.'HA @%)\$&llll!8!D<
fG5A 9'5G: ÷ "%z! B@GGC H<9FK -G9G-BH9&L



```

      : ÷ ".*
!?.DC @M5A -9.9: 4A 'D58'C DHC B
fG<C K B.'HA (@&)!$&LLL!8!?!
fG5A 9'5G: ÷ ".*! B @GGC Hk 9FK -9'G5H98t

```



```

:..P8K ; PA 67 Pa _h[ PH A @%LILLILLI8ILLIA ?HG88FK

```

DFC DFH FMBCH
H: 68C 71A 98H 7CB F8B 6B C: F5A 5HC B
C B: 49B H5 5CB DFC DFH FMBCH
G5A H72 B 77 B8B 5 DMBCH H69 F90C B1 79B
C F H5 9F9F 98H C H: 9F 8C 71A 98H 7CB F
8 67 0C 98H C: H: 9F 6C 9F 08H C: F5B M
DI FDC 9C H: 9F H: 5B H5 HK < 7 < H: 5G
C 6B 698 H C H: H: 9F 9F 9F 9F 9F 9F H
7 C B 98H C: G5A H72 B 77

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

G<99HG7 5 @9. %+) .%

santec

)&\$D5F? 95GH6@ 8zB9K 5@65BMzB (+) \$
D<C B9. %&!- ((! * + ' 5L. %&!- (, !)\$ (+
Y!A UJ.)bZc 4 G5A H97 Wc a Wc XY.))' &&

8 9G7 F ~~DH~~ B.

"\$) \$'G<FC I 8 98 'H9FA B5@5GG9A 6@M

8K; ""BC" HA @%L!LL!LLL!8!LL

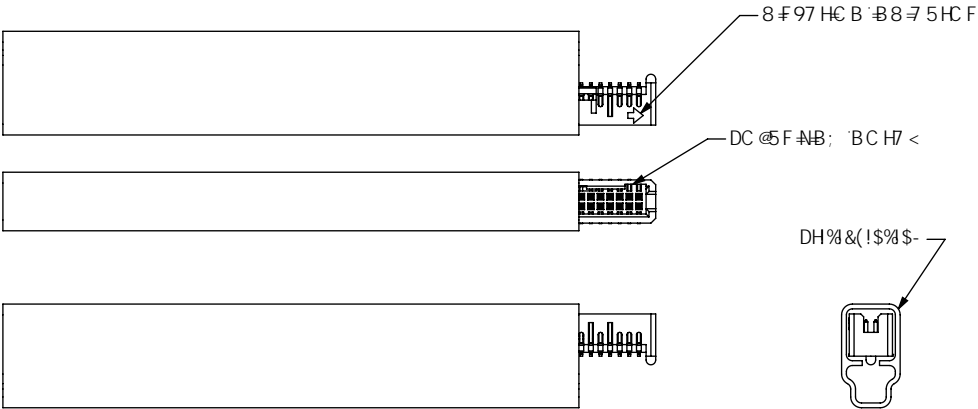
6M 895BD (#, #- -

G<99H&C: (

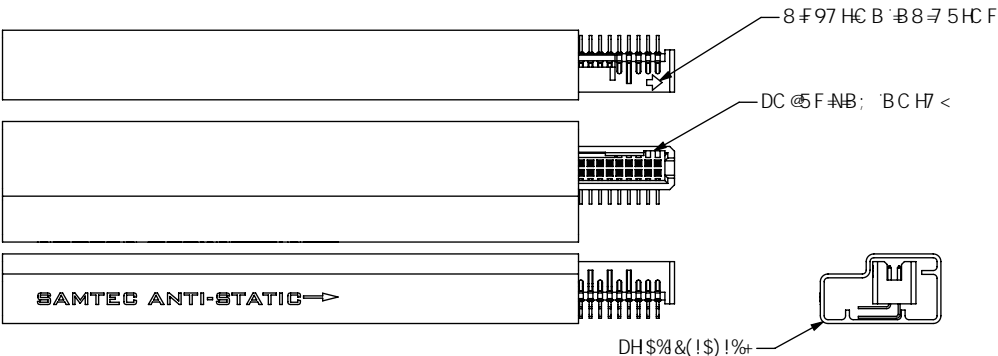
F9J G C B "5:

D57?5; B; J 9K G

D5FHGC '69DCGHCB98'K #k'DC@FNB; 'BCH7 <
:57-B; 'H9G5AH97 '@; C'5B8'5FFCK "

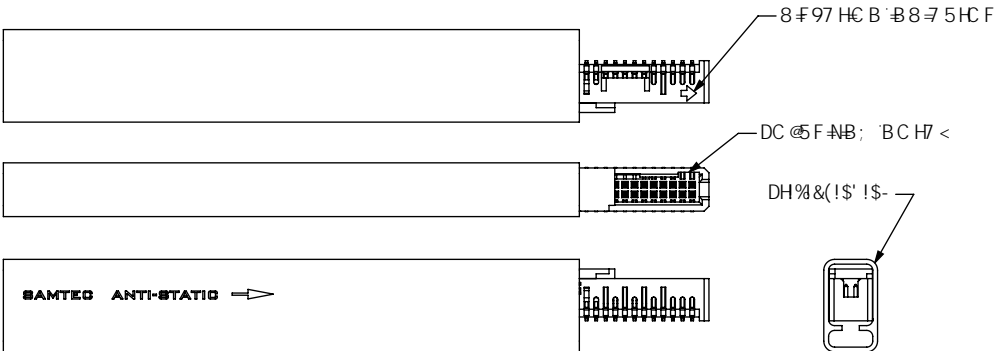


D5FHGC '69DCGHCB98'K #k'H5@:57-B; '@; C'G89C:
H'69'5B8'DC@FNB; 'BCH7 < C'F9BH98'5GG<C K B



SAMTEC ANTI-STATIC →

DC GHCB 'D5FHGK #k'DC@FNB; 'BCH7 < 'C'F9BH98'5GG<C K B

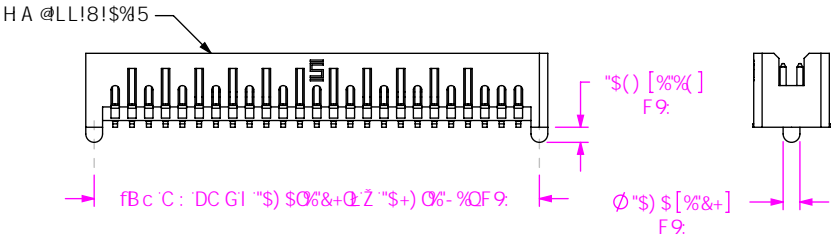


SAMTEC ANTI-STATIC →

LEAD STYLE	PACKAGING TUBE	PLUG
-RA ONLY	PT-1-24-05-17	TP-07
-01,-02 EXCEPT -RA OR -P	PT-1-24-01-09	TP-24
-01-P,-02-P	PT-1-24-03-09	TP-03

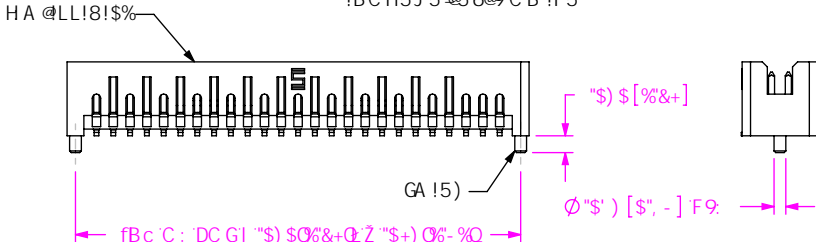
: ÷ " "-

!5.'5@ BA 9BHD-B 'C DHC B
fG<C K B.'HA @%&)!\$&LLL!8!5
fG5A 95G: ÷ "%2I B@GGC H-9FK -69GH5H98
!BC H5J 5 6@K #k '!F5



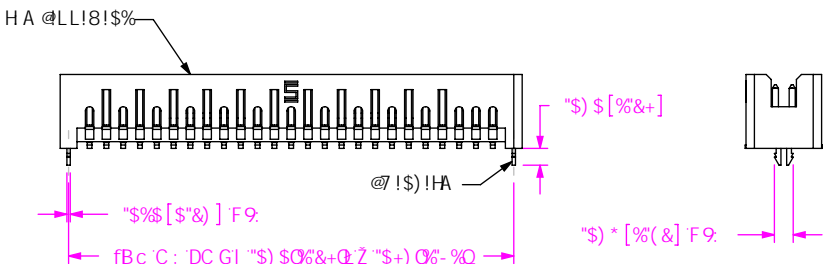
: ÷ " "-

!G5.'GH5?98'5@ BA 9BHD-B 'C DHC B
fG<C K B.'HA @%&)!\$&LLL!8!G5
fG5A 95G: ÷ "%2I B@GGC H-9FK -69GH5H98
!BC H5J 5 6@C B'!F5



: ÷ " "-

!@.'@C 7?B: '7 @D C DHC B
fG<C K B.'HA @%&)!\$&LLL!8!@
fG5A 95G: ÷ "%2I B@GGC H-9FK -69GH5H98
!BC H5J 5 6@C B'!F5



:.P8K: PA 67Pa _! PHA @%LLL!LLL!8!LLIA ?HG@B8FK

D5C.DF9H5FMBCI9
H-6BC71A 98H7CB15BG@CFA5HC B
7CB: 898H65B8 DFC DF9H5FMBC
GSA H97247"5B8 G-5H9BC H69F9DFC81798
CFH5BG9F98HC CH-9F8C71A 98H6CF
847@C98HC CH-9FGCF198: CF5BM
DI FDC99CH-9F H-5B H-5HK <7 <4H5G
C6H5B98K #kC1 H-99LDF9G98K F#H8
7CBG98HC: GSA H97247"

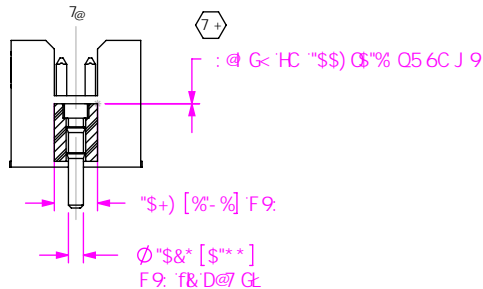
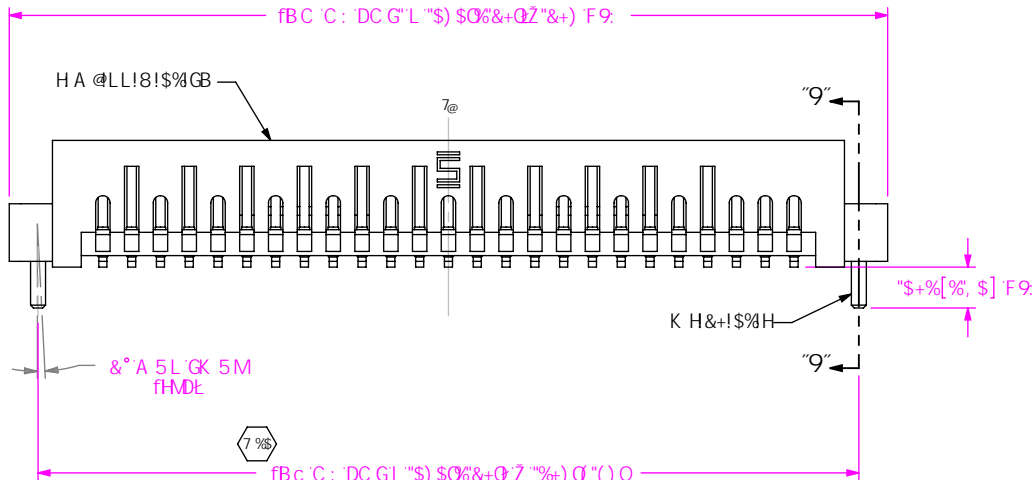
8C 'BCHG75@9 85FK B;
G-99HG75@9 %+.) %

89G7 F@HC B.
"\$) \$'G<FC I 898 'H@FA B5@5GG9A 6@M
8K: "BC"
HA @%LLL!LLL!LLL!8!LL
6M 895BD (#, #, - G-99H"C: (

```

      : ÷ "%$
      !GB. GC @8F D-B C DHC B
      fG< C K B . H A @%&!$&LLL!8!GB£
fG5A 95G: ÷ "%! Z @GGC H-9FK -69GH5H8£
      fC B @M5J 5 -56@9C B ! $& @958 GHM9£

```



G97 H€ B "9!"9"

DF C DF 9H5 F M B C H9

H: 68C71A 9B77C8B58GB: CFA5HC B
7CB: 8B8H5@5B8 DFCDF45FMHC
GSA H97Z4B7*5B8 G<5@BC H69F9DFC8I 79B
CF H5B9Z4B7*5B8 H C H<9F 8C71A 9B8GCF
847 @C98 H C H<9F GCF1 98: CF5BM
DI FDC G9C H<9F H<5B H<5LDF <7 < H<5G
C6H5B9B K H<C1 H<9LDF 9G98 K F4H9B
7CB9BHC: GSA H97Z4B7*

8C BC H G7 5 9 8F5K B

G<99HG7 5@9." .%

..P8K ; PA €7 Pa _h PHA @%L!LL!LLL!8!LL!A ?HG@88FK



)&\$D5F?95GH6@8ZB9K5@65BMZB(+%)\$
D<CB9,%&!-((!*+':5L,%&!-(,!)\$(+
Y!A U].bZc4G5A H97 "Wca "WcXY.)' &&

8 9G7 F ~~DH~~€ B.

"\$) \$'G<FC I 898 'H9FA B5@5GG9A 6@M

8K ; "BC"

H A @%L L!L L!L L!8!L L

6M 895BD (#, #- -

$G < 99H$ (°C): (