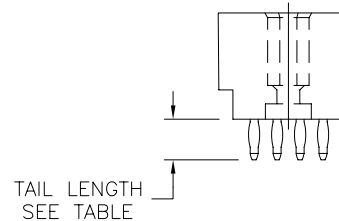
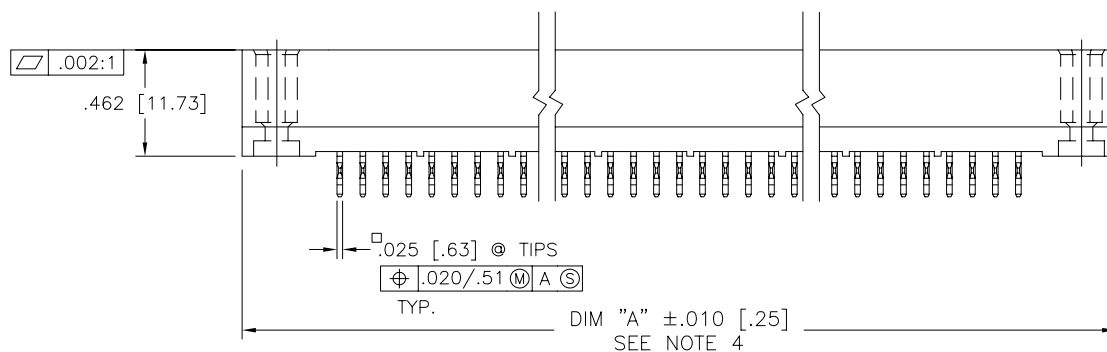
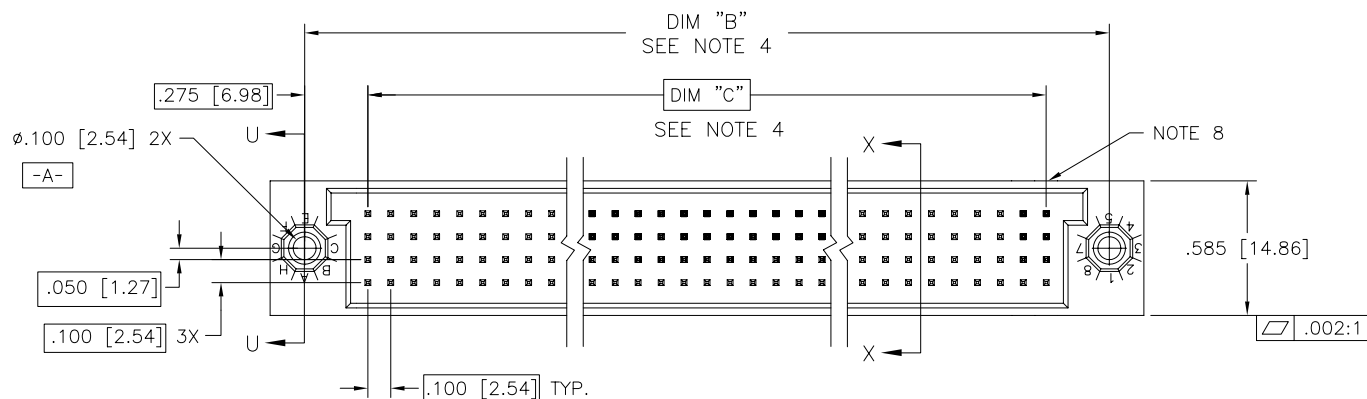


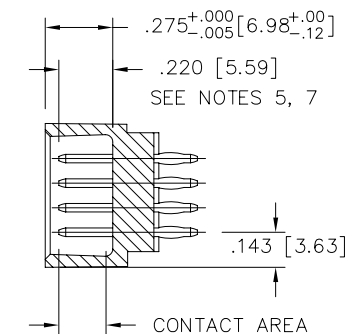
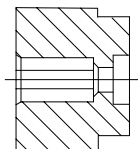
PRODUCT NUMBER
SEE TABLE AND NOTES 1 & 2 ONSHEET 3



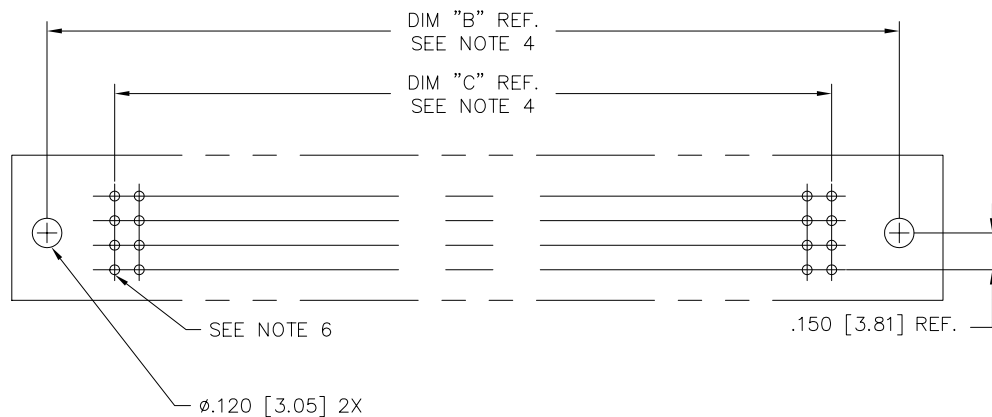
mat'l. code SEE NOTE 3				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC
ltr	ecm	no	dr	date	tolerances unless otherwise specified		title
J	V81411	DLW	8/20/98		angles	.XX±.01/.3	4 ROW VERTICAL HEADER
K	V82253	HTB	12/29/98		linear	.XXX±.005/.13	W/PRESS-FIT PINS, 0 G.P.
L	V00271	JWS	1/31/00		0°±2'	.XXX±.0020/.051	
M	V05-0612	DCH	6/29/05	dr	D.HORCHLER	6/29/05	dwg no
N	V05-0999	DAI	10/29/05	enr	D.HORCHLER	6/29/05	sheet 1 of 9 size
P	M06-0283	MHT	7/27/06	chr	T.BREWBAKER	7/5/05	50009 A3
R	M06-0447	AGS	11/07/06	app	D.HORCHLER	7/5/05	type Product Customer Drawing
sheet	revision	R	R	R	R	R	R
index	sheet	1	2	3	4	5	6

PRODUCT NO.
SEE TABLE



SECTION U-U



SECTION X-X



RECOMMENDED PCB LAYOUT
(ALL HOLES LOCATED ON .100/2.54 GRID
UNLESS OTHERWISE SPECIFIED)

mat'l. code SEE NOTE 3				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family HPC					
ltr	ecn	no	dr	date	tolerances unless otherwise specified					title					
R					angles	linear	.XX±.01/.3		INCH/MM	4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.					
					0°±2'		.XXX±.005/.13								
							.XXXX±.0020/.05		scale 1:1						
					dr	D.HORCHLER		6/29/05			dwg no		sheet 2 of 9		size
					enrg	D.HORCHLER		6/29/05			50009				A3
					chr	T.BREWBAKER		7/5/05							
					appd	D.HORCHLER		7/5/05							
sheet index		revision sheet													



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D

PRODUCT NO. NOTE 11	NUMBER OF POSITIONS	TAIL LENGTH ±.015/.38	CONTACT PLATING
50009-1YYYA	YYY	.177/4.50	30μ"/.76μ Au
50009-1YYC	YYY	.533/13.54	30μ"/.76μ Au
50009-1YYD	YYY	.733/18.62	30μ"/.76μ Au
50009-1YYYG	YYY	.250/6.35	30μ"/.76μ Au
50009-1YYYL	YYY	.188/4.78	30μ"/.76μ Au
50009-1YYYP	YYY	.470/11.94	30μ"/.76μ Au
50009-1YYR	YYY	.250/6.35	30μ"/.76μ Au
50009-3YYYA	YYY	.177/4.50	50μ"/1.27μ Au
50009-3YYC	YYY	.533/13.54	50μ"/1.27μ Au
50009-3YYD	YYY	.733/18.62	50μ"/1.27μ Au
50009-3YYYG	YYY	.250/6.35	50μ"/1.27μ Au
50009-3YYYL	YYY	.188/4.78	50μ"/1.27μ Au
50009-3YYYP	YYY	.470/11.94	50μ"/1.27μ Au
50009-3YYR	YYY	.250/6.35	50μ"/1.27μ Au
50009-5YYYA	YYY	.177/4.50	30μ"/.76μ GXT
50009-5YYC	YYY	.533/13.54	30μ"/.76μ GXT
50009-5YYD	YYY	.733/18.62	30μ"/.76μ GXT
50009-5YYYG	YYY	.250/6.35	30μ"/.76μ GXT
50009-5YYYL	YYY	.188/4.78	30μ"/.76μ GXT
50009-5YYYP	YYY	.470/11.94	30μ"/.76μ GXT
50009-5YYR	YYY	.250/6.35	30μ"/.76μ GXT
50009-XX005	100	.177/4.50	50μ"/1.27μ Au
50009-XX034	300	.533/13.54	30μ"/.76μ GXT
50009-XX067	100	.177/4.50	50μ"/1.27μ Au
50009-XX076	200	.177/4.50	30μ"/.76μ Au
50009-XX124	140	.603/15.32	50μ"/1.27μ Au
50009-XX187	400	SEE SHT 9	30μ"/.76μ Au

SHT 4
SHT 5
SHT 6
SHT 7
SHT 8
SHT 9

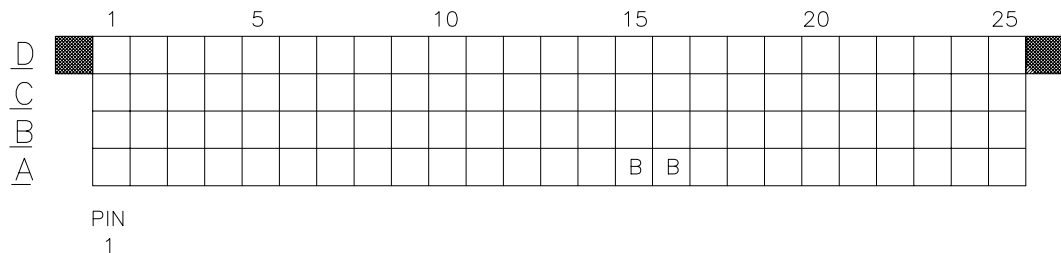
NOTES:

- ① PRODUCT NUMBERING CODE:
50009 - X YYY Z LF
LEAD FREE OPTION
TAIL LENGTH, SEE TABLE
NO. OF POSITIONS SEE NOTE 2
PLATING IN CONTACT AREA SEE TABLE
BASE NUMBER
- PRODUCT NUMBERING CODE FOR
SELECT LOAD PART NUMBERS:
50009 - XXYYY LF
LEAD FREE OPTION
SEQUENCE NUMBER
ALWAYS 'XX'
BASE NUMBER
- ② THIS PRODUCT IS CONFIGURED IN SIZES OF 6 thru 100
COLUMNS IN INCREMENTS OF ONE.
i.e.: 6,7,8,9,.....99,100.
- ③ HOUSING MATERIAL: GLASS AND MINERAL FILLED
HIGH TEMP. THERMOPLASTIC. FLAME RETARDANT PER
UL94V-0. COLOR: BLACK.
PIN MATERIAL: PHOS BRONZE
- ④ LENGTH CALCULATIONS:
DIMENSION "A" = .100/2.54 x NO. OF COLUMNS + .75/19.1
DIMENSION "B" = .100/2.54 x NO. OF COLUMNS + .450/11.43,
DIMENSION "C" = .100/2.54 x NO. OF COLUMNS - .100/2.54
- ⑤ REFERENCE 50807 FOR F.M.L.B. AVAILABLE OPTIONS. SEE SHEETS 4-9.
AND WORKSHEET.
- ⑥ Ø.0453/1.151 DRILLED HOLE PLATED WITH .0003/.007 MIN.
SnPb OVER .001/.03 to .003/.08 Cu. PLATING TO ACHIEVE
A Ø.040±.003/1.02±.08 HOLE.
- ⑦ TO ASSURE PROPER INSTALLATION: TOOLING, AS
SPECIFIED IN INSTRUCTION MANUAL 155915-001 MUST
BE USED. PIN MATING LENGTH WILL BE ±.002/-.05
AFTER INSTALLATION.
- ⑧ COMPANY NAME, PART NUMBER AND LOT CODE TO APPEAR ON
THIS SURFACE PER BUS-12-108.
9. PRODUCT WITH "LF" SUFFIX MEETS EUROPEAN UNION DIRECTIVES AND
OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
10. THIS PRODUCT IS NOT INTENDED TO BE EXPOSED TO A MANUFACTURING
SOLDER PROCESS. HOWEVER, THE HOUSING MATERIAL WILL WITHSTAND
HEAT UP TO THE 260° C.
- ⑪ ADD LF SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.



mat'l. code SEE NOTE 3		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection INCH/MM		product family HPC	
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title		
R					angles	linear	4 ROW VERTICAL HEADER		
					0°±2'	.xxx±.005/.13	W/PRESS-FIT PINS, 0 G.P.		
						.xxx±.0020/.051	scale 1:1		
					dr	D.HORCHLER	6/29/05	dwg no	
					enr	D.HORCHLER	6/29/05	sheet3 of 9 size	
					chr	T.BREWBAKER	7/5/05	50009 A3	
					app	D.HORCHLER	7/5/05	type Product Customer Drawing	
sheet	revision								
index	sheet								

form: A3

		1			2	3									4			5			6
PRODUCT NO.	ITEM KEY	SIGNAL DATA																			
		SIZE 4 x 25		TOTAL NO. OF POSITIONS -100				NO. OF POSITIONS LOADED - 100													
								PRESS FIT STYLE													
		PLATING		QTY.		MATING LENGTH				TAIL LENGTH											
50009-XX005	A	SEE SHEET	3	98		.220 / 5.59				.177 / 4.50											
	B	SEE SHEET	3	2		.260 / 6.60				.177 / 4.50											
50009-XX005LF	A	SEE SHEET	3	98		.220 / 5.59				.177 / 4.50											
	B	SEE SHEET	3	2		.260 / 6.60				.177 / 4.50											



1. ALL POSITIONS ARE LOADED WITH "A", EXCEPT AS SHOWN.
2. COLUMN 1, ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE.

mat'l. code SEE NOTE 3				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family HPC					
ltr	ecn	no	dr	date		tolerances unless otherwise specified						title			
R						angles	linear	.XX±.01/.3 .xxx±.005/.13 .xxxx±.0020/.051		INCH/MM scale 1:1		4 ROW VERTICAL HEADER W/PRESS—FIT PINS, 0 G.P.			
						dr	D.HORCHLER	6/29/05				dwg no		sheet4 of 9 size	
						engr	D.HORCHLER	6/29/05				50009		A3	
						chr	T.BREWBAKER	7/5/05							
						appd	D.HORCHLER	7/5/05							
sheet index		revision sheet													

		1		2		3				4		5		6	
PRODUCT NO.	ITEM KEY	SIGNAL DATA													
		SIZE 4 x 75		TOTAL NO. OF POSITIONS - 300				NO. OF POSITIONS LOADED - 300							
		PLATING		QTY.		PRESS FIT STYLE									
						MATING LENGTH				TAIL LENGTH					
50009-XX034	A	SEE SHEET 3	260	.180 / 4.57				.533 / 13.54							
	B	SEE SHEET 3	40	.220 / 5.59				.533 / 13.54							
50009-XX034LF	A	SEE SHEET 3	260	.180 / 4.57				.533 / 13.54							
	B	SEE SHEET 3	40	.220 / 5.59				.533 / 13.54							

D

C

B

A

	1	5				10				15				20				25				30				35				40			
B	B	B																					B	B				B					
B	B	B																					B	B				B					
B	B	B																					B	B				B					
B	B	B																					B	B				B					

PIN 1

	41	45				50				55				60				65				70				75			
B																							B	B	B				
B																							B	B	B				
B																							B	B	B				
B																							B	B	B				

1.

2.

mat'l. code

SEE NOTE 3

surface

ISO 1302

tolerance

ISO 406

ISO 1101

projection

product family

HPC

ltr

ecn

no

dr

date

tolerances unless otherwise specified

angles

linear

.XX±.01/.3

.XXX±.005/.13

.XXXX±.0020/.051

INCH/MM

scale 1:1

title

4 ROW VERTICAL HEADER

W/PRESS-FIT PINS, 0 G.P.

dr

D.HORCHLER

6/29/05

enr

D.HORCHLER

6/29/05

chr

T.BREWBAKER

7/5/05

appd

D.HORCHLER

7/5/05

sheet index

revision sheet

dwg no

50009

sheet 5 of 9

size

A3

type

Product Customer Drawing

form: A3

1

2

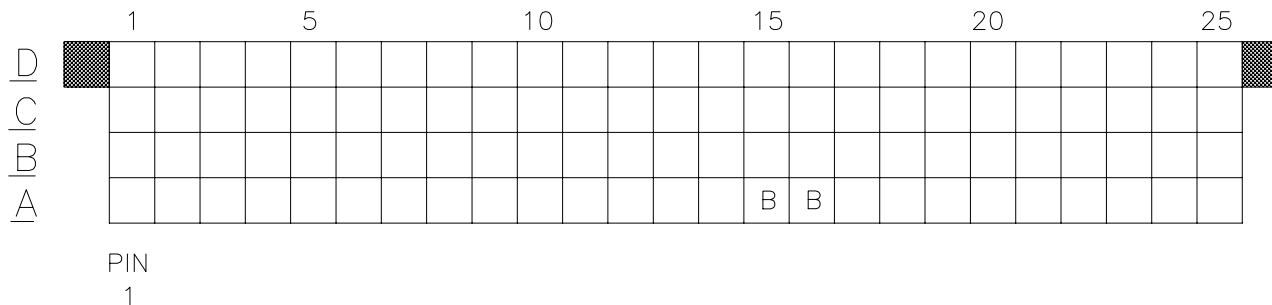
3

4



5

6

PRODUCT NO.	ITEM KEY	SIGNAL DATA		
		SIZE 4 x 25	TOTAL NO. OF POSITIONS -100	NO. OF POSITIONS LOADED - 100
		CONTACT PLATING	QTY.	MATING LENGTH
50009-XX067	A	SEE SHEET 3	98	.200 / 5.08
	B	SEE SHEET 3	2	.240 / 6.10
50009-XX067LF	A	SEE SHEET 3	98	.200 / 5.08
	B	SEE SHEET 3	2	.240 / 6.10



- ALL POSITIONS ARE LOADED WITH "A", EXCEPT AS SHOWN.
- COLUMN 1, ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE.

mat'l. code SEE NOTE 3				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 	product family HPC				
ltr	ecn	no	dr	date	tolerances unless otherwise specified		INCH/MM	title			
R					angles	linear .XX±.01/.3 .XXX±.005/.13 0°±2' .XXXX±.0020/.051		4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.			
			dr	D.HORCHLER	6/29/05		scale 1:1	dwg no		sheet6 of 9	size
			enr	D.HORCHLER	6/29/05		50009		A3		
			chr	T.BREWBAKER	7/5/05		type Product Customer Drawing				
			app	D.HORCHLER	7/5/05						
sheet index	revision sheet										

1		2		3		4		5		6	
PRODUCT NO.	ITEM KEY	SIGNAL DATA									
		SIZE 4 x 50		TOTAL NO. OF POSITIONS - 200				NO. OF POSITIONS LOADED - 200			
		PIN PLATING		QTY.	MATING LENGTH		TAIL LENGTH		TOTAL PIN LENGTH		
50009-XX076	A	SEE SHEET 3		130	.230 / 5.84		.177 / 4.50		.595 / 15.11		
	B	SEE SHEET 3		68	.270 / 6.86		.177 / 4.50		.634 / 16.10		
	C	SEE SHEET 3		2	.190 / 4.83		.177 / 4.50		.555 / 14.10		
50009-XX076LF	A	SEE SHEET 3		130	.230 / 5.84		.177 / 4.50		.595 / 15.11		
	B	SEE SHEET 3		68	.270 / 6.86		.177 / 4.50		.634 / 16.10		
	C	SEE SHEET 3		2	.190 / 4.83		.177 / 4.50		.555 / 14.10		

1

5

10

15

20

25

30

35

40

45

50

D	B	C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	C
C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	
A	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	

PIN

1

1.

2.

mat'l. code		surface		tolerance		projection		product family	
SEE NOTE 3		ISO 1302		ISO 406				HPC	
ISO 1101		tolerances unless otherwise specified		linear		INCH/MM		title	
R		angles		.XX±.01/.3		scale 1:1		4 ROW VERTICAL HEADER	
		0°±2'		.XXX±.005/.13				W/PRESS-FIT PINS, 0 G.P.	
				.XXXX±.0020/.051				dwg no	
		dr		D.HORCHLER		6/29/05		sheet7 of 9	
		engr		D.HORCHLER		6/29/05		size	
		chr		T.BREWBAKER		7/5/05		A3	
		appd		D.HORCHLER		7/5/05		type	
sheet		revision						Product Customer Drawing	
index		sheet							

1

2

3

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5

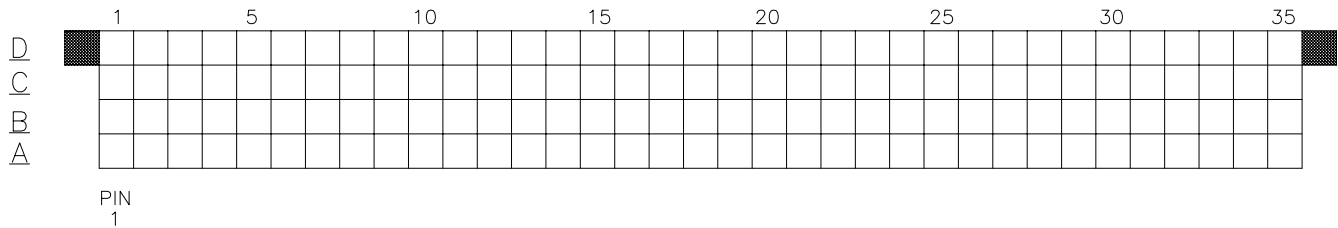
6





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PRODUCT NO.	SIGNAL DATA				
	SIZE 4 x 35	TOTAL NO. OF POSITIONS -140		NO OF POSITIONS LOADED - 140	
	ITEM KEY	PINS: PLATING:	QUANTITY	MATING LENGTH	TAIL LENGTH
50009-XX124	A	SEE SHEET 3	140	.220 / 5.59	.603 / 15.32
50009-XX124LF	A	SEE SHEET 3	140	.220 / 5.59	.603 / 15.32



- ALL POSITIONS ARE LOADED WITH "A".
- COLUMN 1 ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE.

mat'l. code SEE NOTE 3				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family HPC									
ltr		ecn no		dr		date		tolerances unless otherwise specified				title							
R								angles		linear		.XX±.01/.3		INCH/MM					
								0°±2'				.XXX±.005/.13		scale 1:1					
								dr		D.HORCHLER		6/29/05							
								enr		D.HORCHLER		6/29/05							
								chr		T.BREWBAKER		7/5/05							
								appd		D.HORCHLER		7/5/05		dwg no		sheet8 of 9		size	
														50009				A3	
sheet index		revision sheet												type		Product		Customer Drawing	



26				30				35				40				45				50			
A			A			A			A			A			A	A	A	A	A	A			A
		A			A			A			A			A	A	A	A	A	A		C	C	C
	A			A			A			A			A	A	A	A	A	A	A	A	A	C	C
A			A			A			A			A	A	A	A	A	A	A	A				

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