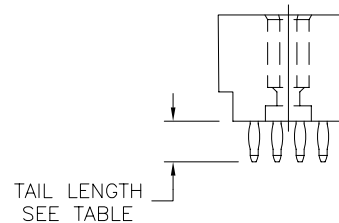
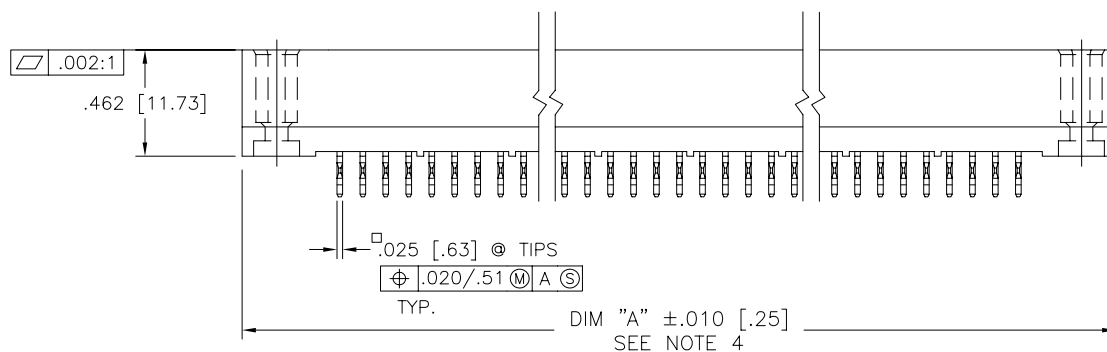
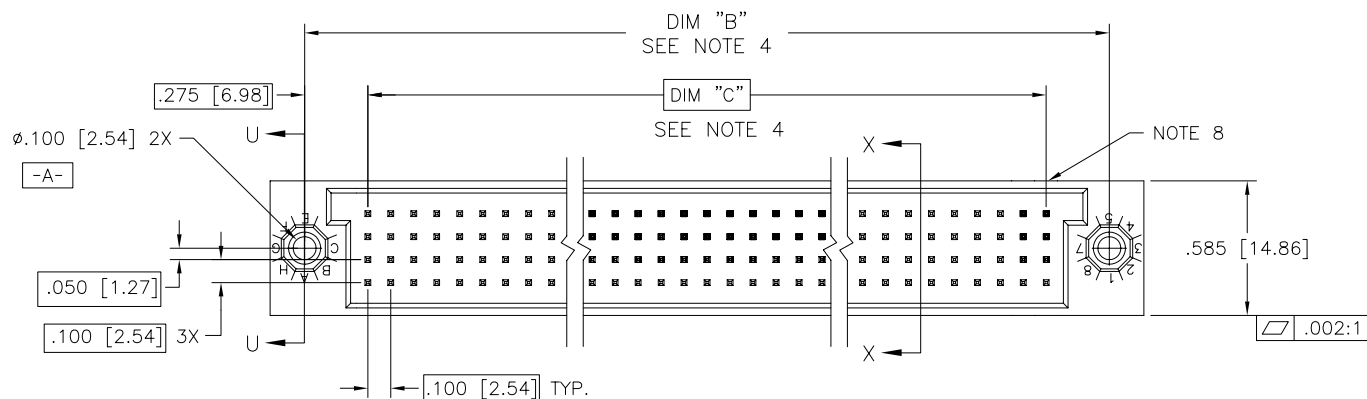


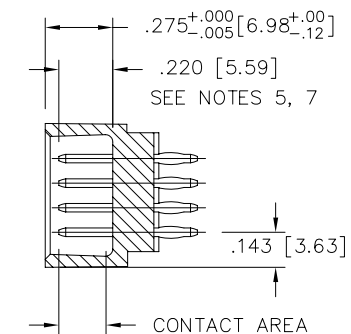
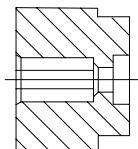
PRODUCT NUMBER
SEE TABLE AND NOTES 1 & 2 ONSHEET 3



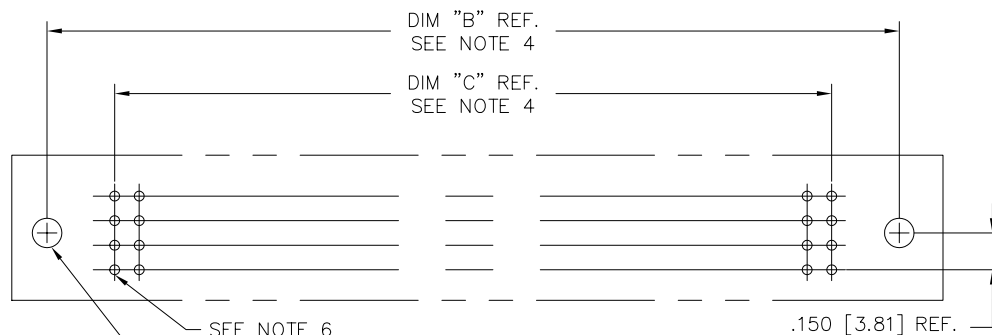
mat'l. code SEE NOTE 3				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family HPC			
ltr	ecm	no	dr	date	tolerances unless otherwise specified					title			
J	V81411	DLW	8/20/98		angles	linear	.XX±.01/.3			 INCH/MM scale 1:1			
K	V82253	HTB	12/29/98	.XXX±.005/.13									
L	V00271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

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		INCH/MM		4 ROW VERTICAL HEADER			
											W/PRESS-FIT PINS, 0 G.P.			
						0°±2'			scale 1:1		dwg no			
						dr	D.HORCHLER		6/29/05		sheet 2 of 9		size	
						engr	D.HORCHLER		6/29/05		50009		A3	
						chr	T.BREWBAKER		7/5/05		type		Product Customer Drawing	
						appd	D.HORCHLER		7/5/05					
sheet index		revision sheet												

PRODUCT NO. NOTE 11	NUMBER OF POSITIONS	TAIL LENGTH ±.015/.38	CONTACT PLATING
50009-1YyyA	YYY	.177/4.50	30μ"/.76μ Au
50009-1YyyC	YYY	.533/13.54	30μ"/.76μ Au
50009-1YyyD	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
50009-1YyyR	YYY	.250/6.35	30μ"/.76μ Au
50009-3YyyA	YYY	.177/4.50	50μ"/1.27μ Au
50009-3YyyC	YYY	.533/13.54	50μ"/1.27μ Au
50009-3YyyD	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
50009-3YyyR	YYY	.250/6.35	50μ"/1.27μ Au
50009-5YyyA	YYY	.177/4.50	30μ"/.76μ GXT
50009-5YyyC	YYY	.533/13.54	30μ"/.76μ GXT
50009-5YyyD	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
50009-5YyyR	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

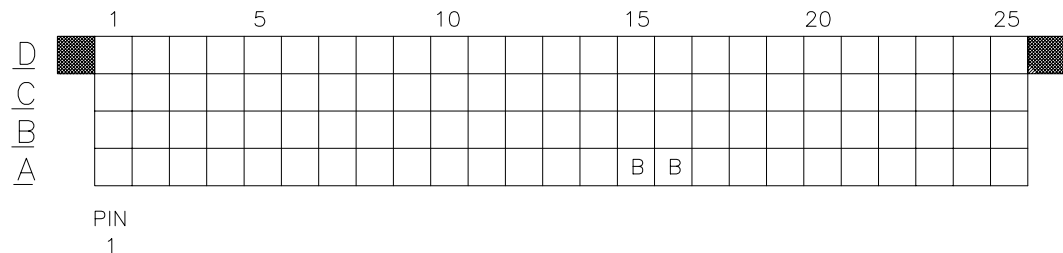
SHT 4
SHT 5
SHT 6
SHT 7
SHT 8
SHT 9

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 R	ecn no	dr date	tolerances unless otherwise specified angles linear 0°±2'	title 4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.
			dr D.HORCHLER 6/29/05	dwg no 50009
			enr D.HORCHLER 6/29/05	sheet3 of 9 size A3
			chr T.BREWBAKER 7/5/05	
			app D.HORCHLER 7/5/05	
sheet index	revision sheet			type Product Customer Drawing

		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															
		PLATING			QTY.		PRESS FIT STYLE																
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	.XX±.01/.3	4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.
					linear	.XXX±.005/.13	
					0°±2'	.XXXX±.0020/.051	INCH/MM
					dr	D.HORCHLER 6/29/05	scale 1:1
					enr	D.HORCHLER 6/29/05	dwg no 50009
					chr	T.BREWBAKER 7/5/05	
					appd	D.HORCHLER 7/5/05	sheet 4 of 9
sheet	revision						size A3
index	sheet						type Product Customer Drawing

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

	1	5	10	15	20	25	30	35	40
D	B	B	B						B
C	B	B	B						B
B	B	B							B
A	B	B	B						B

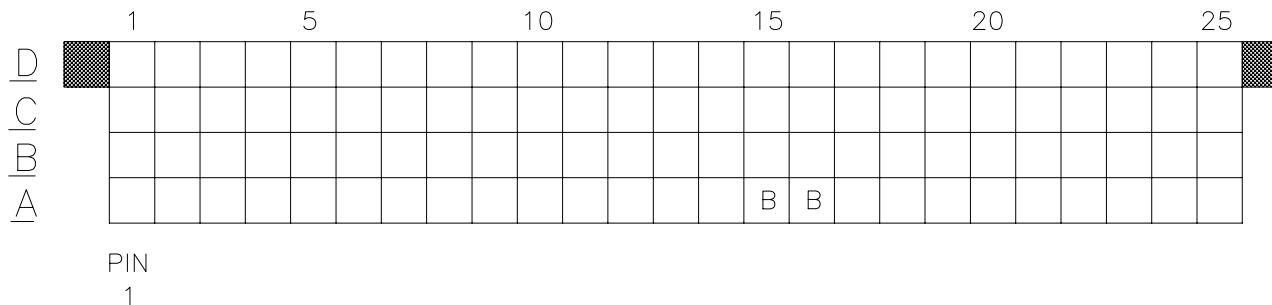
PIN
1

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

- 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				title									
R								angles		linear		.XX±.01/.3 .XXX±.005/.13 0°±2' .XXXX±.0020/.051		INCH/MM ↔		4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.					
								dr		D.HORCHLER		6/29/05				scale 1:1					
								enrg		D.HORCHLER		6/29/05				dwg no		sheet5 of 9		size	
								chr		T.BREWBAKER		7/5/05				50009		A3			
								appd		D.HORCHLER		7/5/05				type		Product Customer Drawing			
sheet index		revision sheet																			

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 INCH/MM	product family HPC
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title
R					angles linear 0°±2'	linear .XX±.01/.3 .XXX±.005/.13 .XXXX±.0020/.051	4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.
					dr	D.HORCHLER 6/29/05	dwg no
					enr	D.HORCHLER 6/29/05	sheet6 of 9 size
					chr	T.BREWBAKER 7/5/05	50009 A3
					appd	D.HORCHLER 7/5/05	type Product Customer Drawing
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		

D

C

B

A

1	5	10	15	20	25	30	35	40	45	50	
B	C	B		B		B		B		B	C
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							

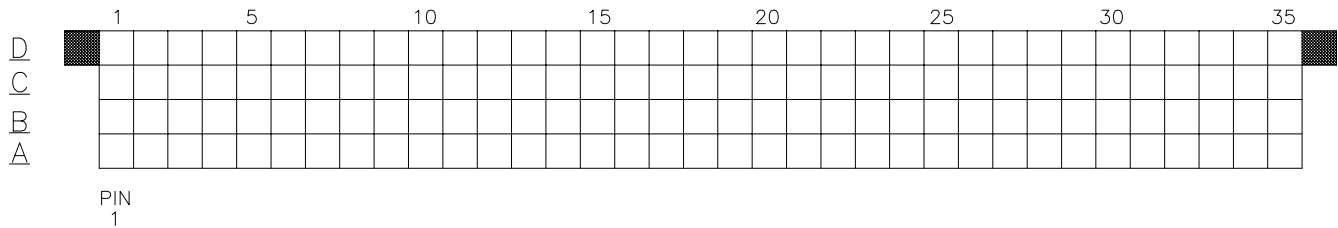
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form: A3

1										2										3										4										5										6									
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 .XXX±.005/.13		INCH/MM		4 ROW VERTICAL HEADER		
					0°±2'		.XXX±.0020/.051		scale 1:1		W/PRESS-FIT PINS, 0 G.P.		
					dr	D.HORCHLER	6/29/05			dwg no		sheet 8 of 9	size
					enr	D.HORCHLER	6/29/05			50009		A3	
					chr	T.BREWBAKER	7/5/05						
					appd	D.HORCHLER	7/5/05			type Product Customer Drawing			
sheet index		revision sheet											

