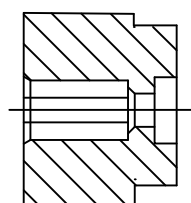
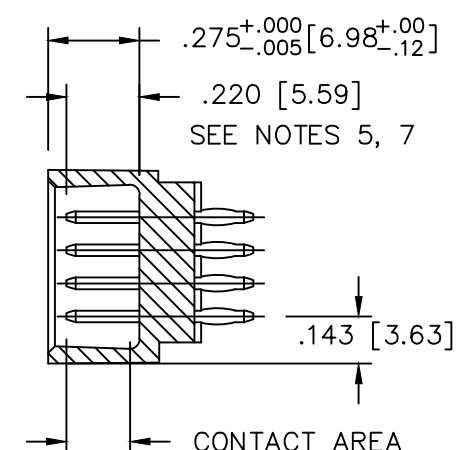


mat'l. code SEE NOTE 3				surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family HPC
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM scale 1:1	title
S	111-0094	SAL	2011-05-23	angles	linear		4 ROW VERTICAL HEADER
-	-	-	-				W/PRESS-FIT PINS, 0 G.P.
L	v00271	JWS	1/31/00	0°±2'			dwg no
M	V05-0612	DCH	6/29/05	dr	D.HORCHLER	2005-06-29	sheet 1 of 11
N	V05-0999	DAI	10/29/05	enr	D.HORCHLER	2005-06-29	size
P	M06-0283	MHT	7/27/06	chr	S ALOSUIS	2011-05-23	50009
R	M06-0447	AGS	11/07/06	appd	BIJU K PAUL	2011-05-23	A3
sheet	revision	S	S	S	S	S	type
index	sheet	1	2	3	4	5	Product Customer Drawing

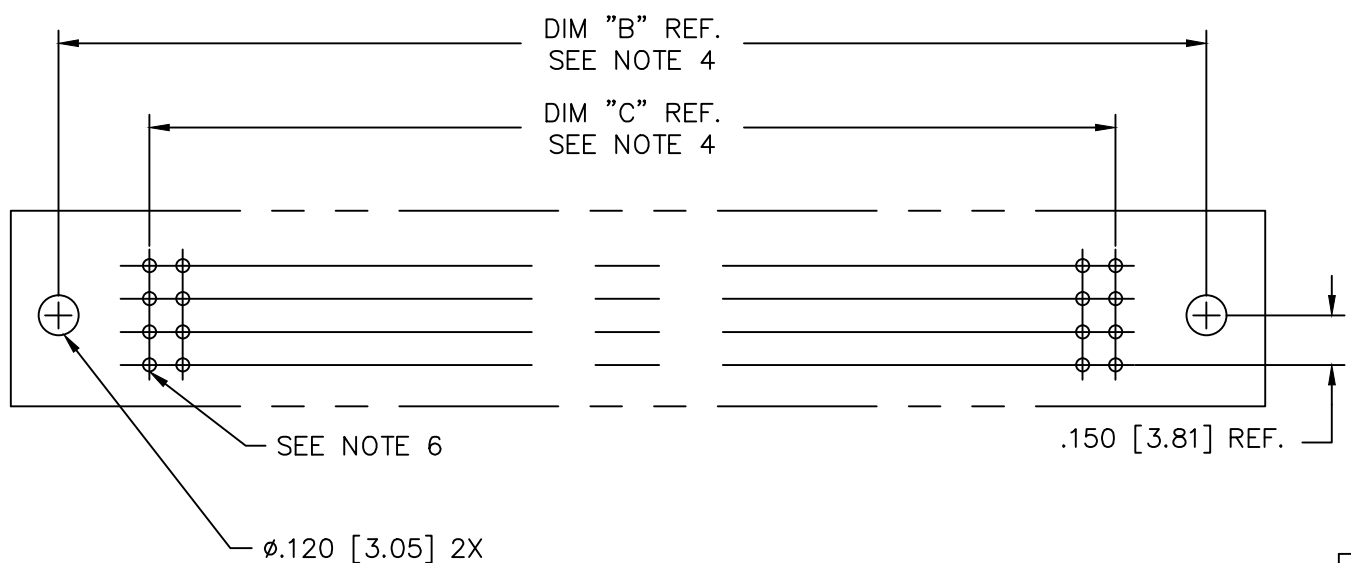
PRODUCT NO.
SEE TABLE



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		 scale 1:1	title 4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.			
S				angles	linear					
				0°±2'						
				dr	D.HORCHLER	2005-06-29		dwg no		sheet 2 of 11
				engr	D.HORCHLER	2005-06-29		50009		A3
				chr	S ALOSIUS	2011-05-23		type Product Customer Drawing		
				appd	BIJU K PAUL	2011-05-23				
sheet index	revision sheet									

form: A3

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form: A3

1

2

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4

5

6

PRODUCT NO. NOTE 11	NUMBER OF POSITIONS	TAIL LENGTH ±.015/.38	CONTACT PLATING
50009-1YYYYA	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
50009-1YYG	YYY	.250/6.35	30µ"/.76µ Au
50009-1YYL	YYY	.188/4.78	30µ"/.76µ Au
50009-1YYP	YYY	.470/11.94	30µ"/.76µ Au
50009-1YYR	YYY	.250/6.35	30µ"/.76µ Au
50009-3YYA	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
50009-3YYG	YYY	.250/6.35	50µ"/1.27µ Au
50009-3YYL	YYY	.188/4.78	50µ"/1.27µ Au
50009-3YYP	YYY	.470/11.94	50µ"/1.27µ Au
50009-3YYR	YYY	.250/6.35	50µ"/1.27µ Au
50009-5YYA	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
50009-5YYG	YYY	.250/6.35	30µ"/.76µ GXT
50009-5YYL	YYY	.188/4.78	30µ"/.76µ GXT
50009-5YYP	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
50009-XX188LF	320	SEE SHT 10	50µ"/1.27µ GXT
50009-XX189LF	320	SEE SHT 11	50µ"/1.27µ GXT

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.

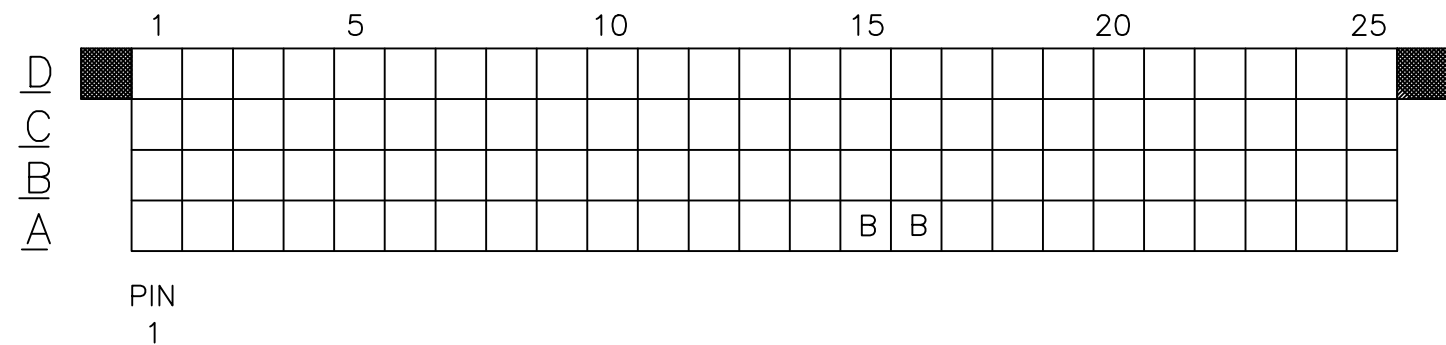
mat'l. code SEE NOTE 3		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection INCH/MM		product family HPC	
lfr ecn no dr date		tolerances unless otherwise specified						title	
S		angles linear		.XX±.01/.3 .XXX±.005/.13 .XXX±.0020/.05		scale 1:1		4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.	
		dr		D.HORCHLER		2005-06-29		dwg no sheet 3 of 11size	
		engr		D.HORCHLER		2005-06-29		50009 A3	
		chr		S ALOSIUS		2011-05-23			
		appd		BIJU K PAUL		2011-05-23		type Product Customer Drawing	
sheet index		revision sheet							

PDM: Rev:S

STATUSReleased

Printed: Jul 02, 2011

		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																			



- 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 4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.
S				angles	linear		
				0°±2°			
				dr	D.HORCHLER		dwg no
				enr	D.HORCHLER		sheet 4 of 11
				chr	S ALOSIOUS		size A3
				appd	BIJU K PAUL		type Product Customer Drawing
sheet index	revision sheet						

form: A3

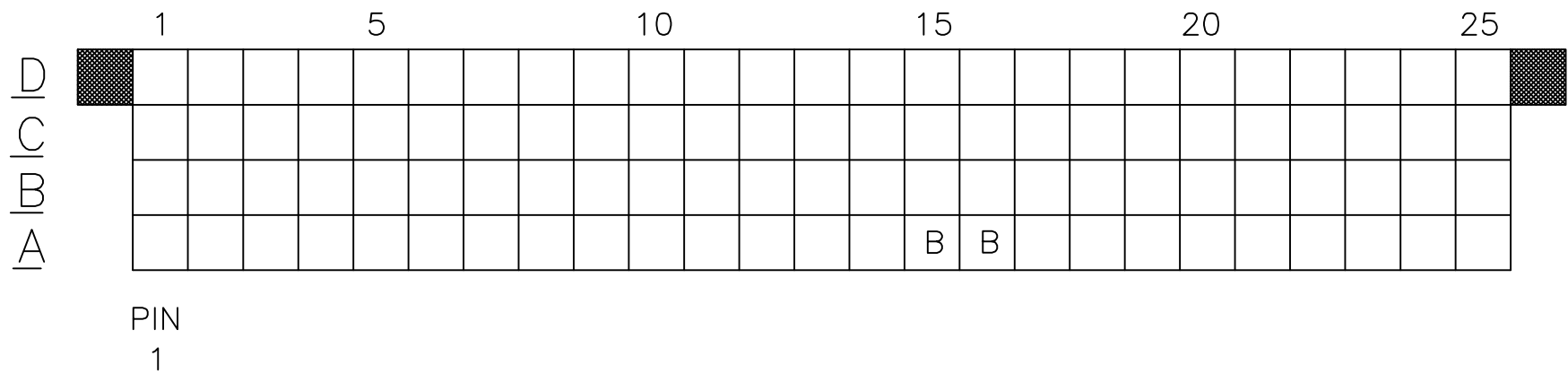
PRODUCT NO.	ITEM KEY	SIGNAL DATA			
		SIZE 4 x 75	TOTAL NO. OF POSITIONS -300	NO. OF POSITIONS LOADED - 300	
		PLATING	QTY.	PRESS FIT STYLE	
				MATING LENGTH	TAIL LENGTH
50009-XX034	A	SEE SHEET 3	260	.180 / 4.57	.533 / 13.54
	B	SEE SHEET 3	40	.220 / 5.59	.533 / 13.54
50009-XX034LF	A	SEE SHEET 3	260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

- 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	tolerances unless otherwise specified			title
S				angles	linear	INCH/MM	4 ROW VERTICAL HEADER
				0°±2°	.XX±.01/.3	scale 1:1	W/PRESS-FIT PINS, 0 G.P.
				dr	D.HORCHLER	2005-06-29	dwg no
				enr	D.HORCHLER	2005-06-29	sheet 5 of 11
				chr	S ALOSIOUS	2011-05-23	size
				appd	BIJU K PAUL	2011-05-23	A3
sheet index	revision sheet						type
							Product Customer Drawing

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.

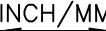

mat'l. code SEE NOTE 3				surface ISO 1302	tolerance ISO 406 ISO 1101	projection 	product family HPC
ltr	ecn	no	dr	tolerances unless otherwise specified		INCH/MM scale 1:1 	title 4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.
S				angles	linear		
				0°±2°			
				dr	D.HORCHLER		
				enr	D.HORCHLER		
				chr	S ALOSIOUS		
				appd	BIJU K PAUL		
sheet index	revision sheet						dwg no 50009
							sheet 6 of 11
							size A3
							type Product Customer Drawing

form: A3

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	C
C	B		B		B		B		B		B
B	B		B		B		B		B		B
A	B		B		B		B		B		B
PIN											
1											

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	 INCH/MM	title
S					angles linear		4 ROW VERTICAL HEADER
					0°±2°		W/PRESS–FIT PINS, 0 G.P.
					dr D.HORCHLER 2005–06–29		dwg no
					enr D.HORCHLER 2005–06–29		sheet 7 of 11
					chr S ALOSIOUS 2011–05–23		size
					appd BIJU K PAUL 2011–05–23		A3
sheet index	revision sheet						type Product Customer Drawing

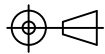

		1		2		3								4		5		6	
PRODUCT NUMBER	ITEM KEY	SIGNAL DATA																	
		SIZE 4 x 50		TOTAL NO. OF POSITIONS -200				NO. OF POSITIONS LOADED - 200											
					PRESS FIT STYLE														
		PIN PLATING		QTY.	MATING LENGTH			TAIL LENGTH											
50009-XX187	A	SEE SHEET 3	85	.220 / 5.59			.561 / 14.25												
	B	SEE SHEET 3	1	.180 / 4.57			.521 / 13.23												
	C	SEE SHEET 3	8	.260 / 6.60			.601 / 15.27												
	D	SEE SHEET 3	106	.220 / 5.59			.177 / 4.50												
50009-XX187LF	A	SEE SHEET 3	85	.220 / 5.59			.561 / 14.25												
	B	SEE SHEET 3	1	.180 / 4.57			.521 / 13.23												
	C	SEE SHEET 3	8	.260 / 6.60			.601 / 15.27												
	D	SEE SHEET 3	106	.220 / 5.59			.177 / 4.50												

	1	5	10	15	20	25
D	A	A	A	A	A	A
C	A	A	C	A	A	A
B	A	A	C	A	A	C
A	A	A	A	A	A	A

PIN 1

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

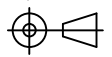
- ALL POSITIONS ARE LOADED WITH "D" EXCEPT AS SHOWN.
- COLUMN 1, ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE.

mat'l. code SEE NOTE 3				surface ISO 1302	tolerance ISO 406 ISO 1101	projection 	product family HPC
ltr	ecn	no	dr	tolerances unless otherwise specified		INCH/MM scale 1:1 	title
S				angles	linear		4 ROW VERTICAL HEADER
				0°±2°	.XX±.01/.3 .XXX±.005/.13 .XXXX±.0020/.051		W/PRESS-FIT PINS, 0 G.P.
				dr	D.HORCHLER		dwg no
				enr	D.HORCHLER		sheet 9 of 11
				chr	S ALOSIOUS		size
				appd	BIJU K PAUL		A3
sheet index	revision sheet						type Product Customer Drawing

PRODUCT NUMBER	ITEM KEY	SIGNAL DATA			
		SIZE 4 x 80	TOTAL NO. OF POSITIONS -320	NO. OF POSITIONS LOADED - 320	
				PRESS FIT STYLE	
		PIN PLATING	QTY.	MATING LENGTH	TAIL LENGTH
50009-XX189LF	A	SEE SHEET 3	304	.210 / 5.33	.660 / 16.76
	B	SEE SHEET 3	16	.245 / 6.22	.660 / 16.76

	1	5	10	15	20	25	30	35	40
D	B	B							
C	B	B							
B	B	B							
A	B	B							
PIN 1									
	41	45	50	55	60	65	70	75	80
									B B
									B B
									B B
									B B

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
S				angles linear 0°±2'	4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.
				.xx±.01/.3 .xxx±.005/.13 .xxxx±.0020/.051	INCH/MM scale 1:1
		dr	S. ALOSIOUS	2011-06-29	dwg no
		enr	S. ALOSIOUS	2011-06-29	sheet 11 of 11 size
		chr	S. ALOSIOUS	2011-06-29	50009 A3
		appd	BIJU K PAUL	2011-06-29	type Product Customer Drawing
sheet index	revision sheet				