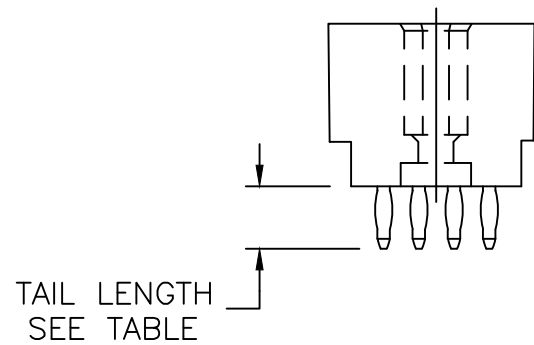
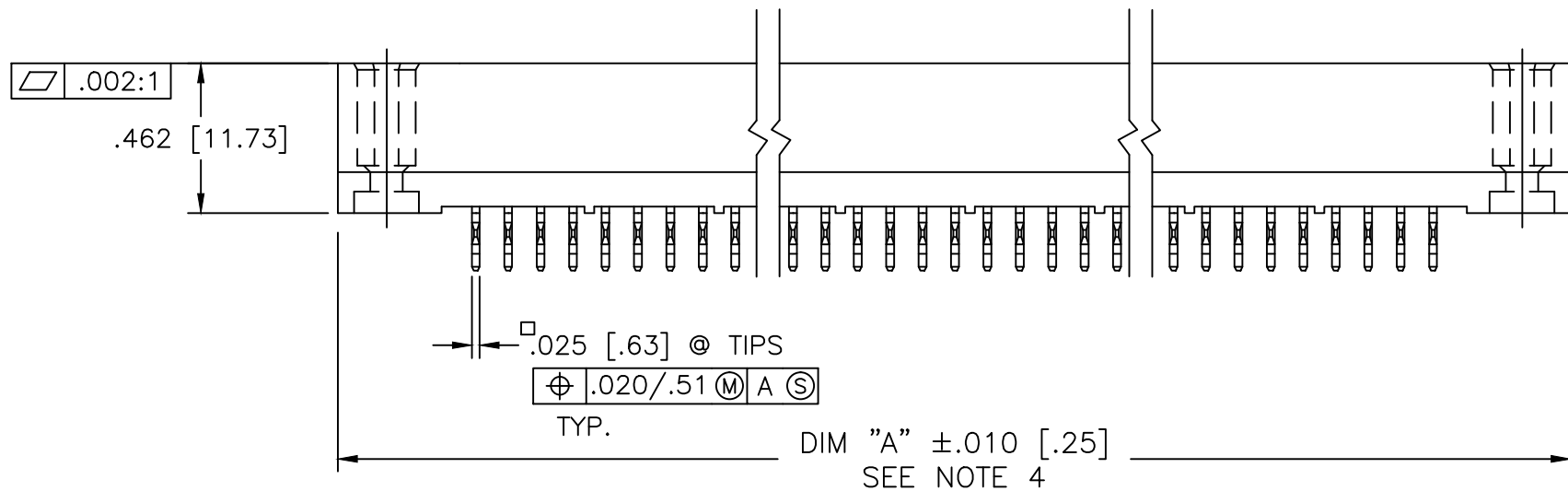
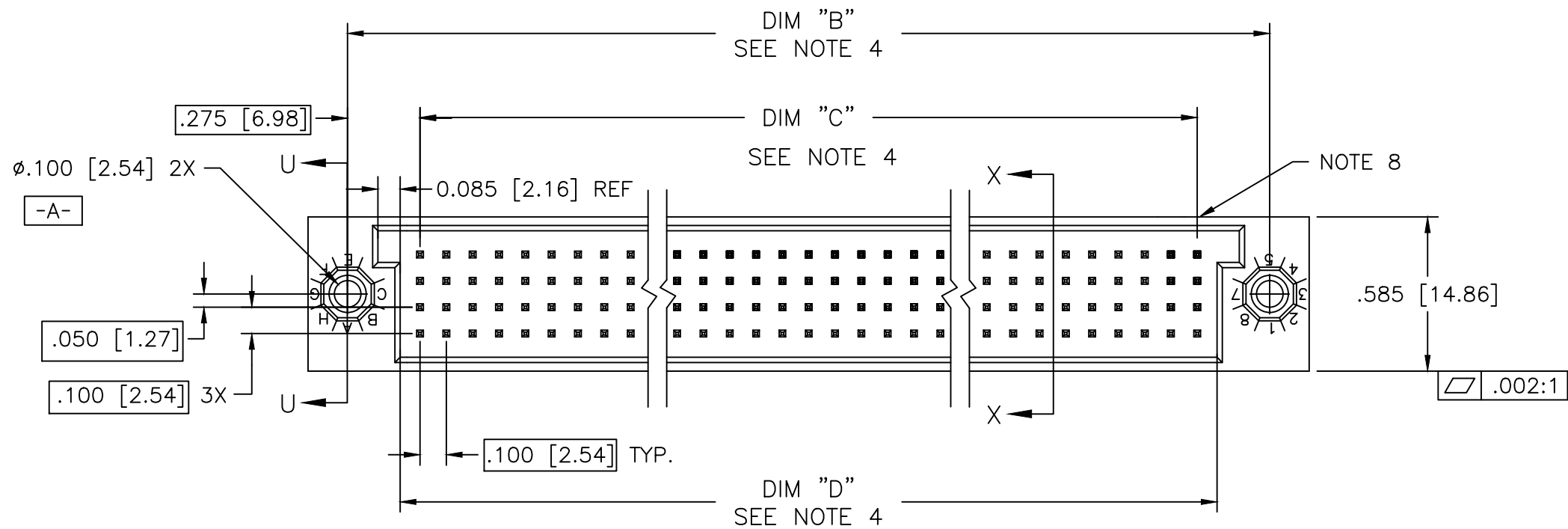


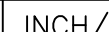


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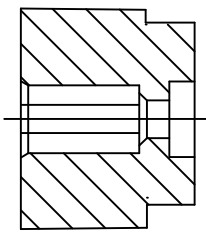
PRODUCT NUMBER
SEE TABLE AND NOTES 1 & 2 ONSHEET 3



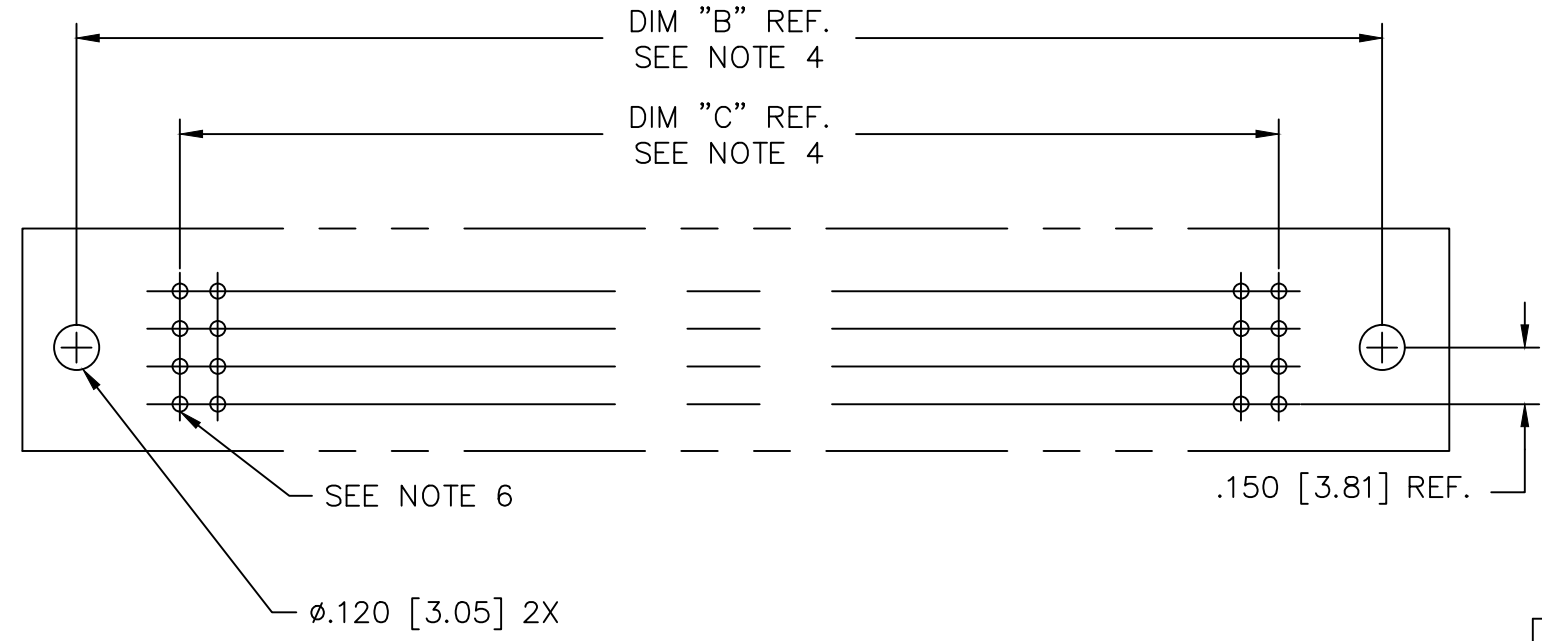
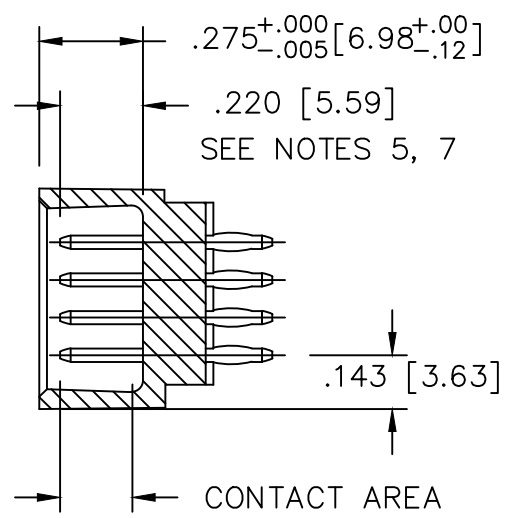
mat'l. code SEE NOTE 3				surface ISO 1302 ✓			tolerance ISO 406 ISO 1101			projection 			product family HPC															
ltr	ecn no	dr	date	tolerances unless otherwise specified										 INCH/MM scale 1:1			title											
S	I11-0094	SAL	2011-05-23	angles	linear	.XX±.01/.3				4 ROW VERTICAL HEADER																		
T	ELX-I-13738	MJA	2012-12-21			.XXX±.005/.13				W/PRESS-FIT PINS, 0 G.P.																		
U	ELX-I-16877	MJA	2014-01-29			.XXX±.0020/.051																						
-	-	-	-	dr	D.HORCHLER		2005-06-29					dwg no										sheet 1 of 14		size				
N	V05-0999	DAI	10/29/05	enr	D.HORCHLER		2005-06-29					50009										A3						
P	M06-0283	MHT	7/27/06	chr	M JACOB		2014-01-29																					
R	M06-0447	AGS	11/07/06	appd	BIJU K PAUL		2014-01-29					type										Product Customer Drawing						
sheet		revision		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U						
index		sheet		1	2	3	4	5	6	7	8	9	10	11	12	13	14											

PRODUCT NO.
SEE TABLE

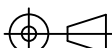
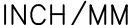
SECTION U-U



SECTION X-X



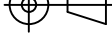
RECOMMENDED PCB LAYOUT
(ALL HOLES LOCATED ON .100/2.54 GRID
UNLESS OTHERWISE SPECIFIED)

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												
U				angles	linear	.XX±.01/.3		INCH/MM 		4 ROW VERTICAL HEADER												
						.XXX±.005/.13		scale 1:1		W/PRESS—FIT PINS, 0 G.P.												
				0°±2°		.XXXX±.0020/.051																
				dr	D.HORCHLER	2005-06-21				dwg no										sheet 2 of 14		size
				enr	D.HORCHLER	2005-06-21				50009										A3		
				chr	M JACOB	2014-01-29																
				appd	BIJU K PAUL	2014-01-29																
sheet index		revision sheet																				

PRODUCT NO. NOTE 11	NUMBER OF POSITIONS	TAIL LENGTH ±.015/.38	CONTACT PLATING
50009-1YYA	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-XX188	320	SEE SHT 10	50μ"/1.27μ GX
50009-XX189	320	SEE SHT 11	50μ"/1.27μ GX
50009-8YYG	YYY	.250/6.35	30μ"/.76μ Au
50009-XX190	220	SEE SHT 12	30μ"/.76μ GXT
50009-XX191	140	SEE SHT 13	30μ"/.76μ GXT
50009-XX192	140	SEE SHT 14	30μ"/.76μ GXT

NOTES:

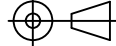
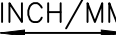
1. PRODUCT NUMBERING CODE:
50009 - X YYY Z LF
LEAD FREE OPTION
TAIL LENGTH, SEE TABLE
NO. OF POSITIONS SEE NOTE 2
PLATING IN CONTACT AREA SEE TABLE
BASE NUMBER
- PRODUCT NUMBERING CODE FOR
SELECT LOAD PART NUMBERS:
50009 - XXYYY LF
LEAD FREE OPTION
SEQUENCE NUMBER
ALWAYS 'XX'
BASE NUMBER
2. THIS PRODUCT 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" = $.100/2.54 \times \text{NO. OF COLUMNS} + .75/19.1$
DIMENSION "B" = $.100/2.54 \times \text{NO. OF COLUMNS} + .450/11.43$,
DIMENSION "C" = $.100/2.54 \times \text{NO. OF COLUMNS} - .100/2.54$
DIMENSION "D" = $.100/2.54 \times \text{NO. OF COLUMNS} + .050/1.27$
5. REFERENCE 50807 FOR F.M.L.B. AVAILABLE OPTIONS. SEE SHEETS 4-9.
AND WORKSHEET.
6. $\phi .0453/1.151$ DRILLED HOLE PLATED WITH $.0003/.007$ MIN.
SnPb OVER $.001/.03$ to $.003/.08$ Cu. PLATING TO ACHIEVE
A $\phi .040 \pm .003/1.02 \pm .08$ HOLE.
7. TO ASSURE PROPER INSTALLATION: TOOLING, AS
SPECIFIED IN INSTRUCTION MANUAL 155915-001 MUST
BE USED. PIN MATING LENGTH WILL BE $\pm .002/.05$
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.
12. TERMINAL PORTION OF THE CONNECTOR TO BE LUBED BEFORE PACKING.

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											
U				angles	linear			.XX±.01/.3		 INCH/MM		4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.									
								.XXX±.005/-.13													
						0°±2°				.XXXX±.0020/+.051		scale 1:1									
				dr	D.HORCHLER	2005-06-29				dwg no		sheet 3 of 14				siz					
				enrg	D.HORCHLER	2005-06-29						50009				A.					
				chr	M JACOB	2014-01-29															
				appd	BIJU K PAUL	2014-01-29															
sheet index		revision sheet																			

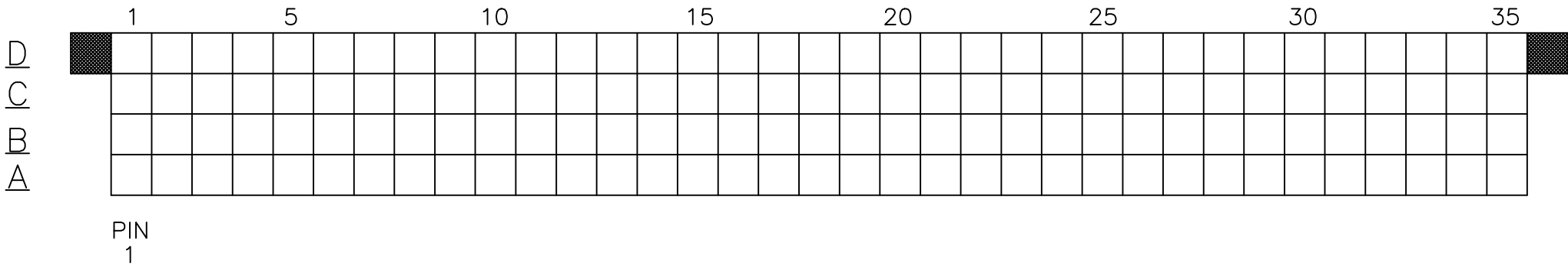
PRODUCT NO.	ITEM KEY	SIGNAL DATA				
		SIZE 4 x 50	TOTAL NO. OF POSITIONS – 200		NO. OF POSITIONS LOADED – 200	
		PIN PLATING	QTY.	MATING LENGTH	TAIL LENGTH	TOTAL PIN LENGTH
50009–XX076	A	SEE SHEET 3	130	.230 / 5.84	.177 / 4.50	.595 / 15.11
	B	SEE SHEET 3	68	.270 / 6.86	.177 / 4.50	.634 / 16.10
	C	SEE 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	C
C		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	
PIN																								

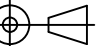
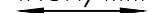
1. ALL POSITIONS ARE LOADED WITH "A", EXCEPT AS SHOWN.
2. COLUMN 1, ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE.

mat'l. code SEE NOTE 3				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family HPC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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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



1. ALL POSITIONS ARE LOADED WITH "A".
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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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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						
C	A	A			A	
B	A	A			A	
A	A	A			A	

PIN
1

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

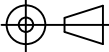
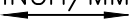
- ALL POSITIONS ARE LOADED WITH "D" EXCEPT AS SHOWN.
- COLUMN 1, ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE.

mat'l. code SEE NOTE 3				surface ISO 1302	tolerance ISO 406 ISO 1101	projection 	product family HPC
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM scale 1:1	title 4 ROW VERTICAL HEADER W/PRESS–FIT PINS, 0 G.P.
U				angles	linear		
				0°±2°			
				dr	D.HORCHLER	2005–06–29	dwg no 50009 type Product Customer Drawing
				engr	D.HORCHLER	2005–06–29	
				chr	M JACOB	2014–01–29	
				appd	BIJU K PAUL	2014–01–29	sheet 9 of 14 size A3
sheet index	revision sheet						

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–XX188	A	SEE SHEET 3	304	.210 / 5.33	.533 / 13.54
	B	SEE SHEET 3	16	.244 / 6.20	.533 / 13.54
50009–XX188LF	A	SEE SHEET 3	304	.210 / 5.33	.533 / 13.54
	B	SEE SHEET 3	16	.244 / 6.20	.533 / 13.54

	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

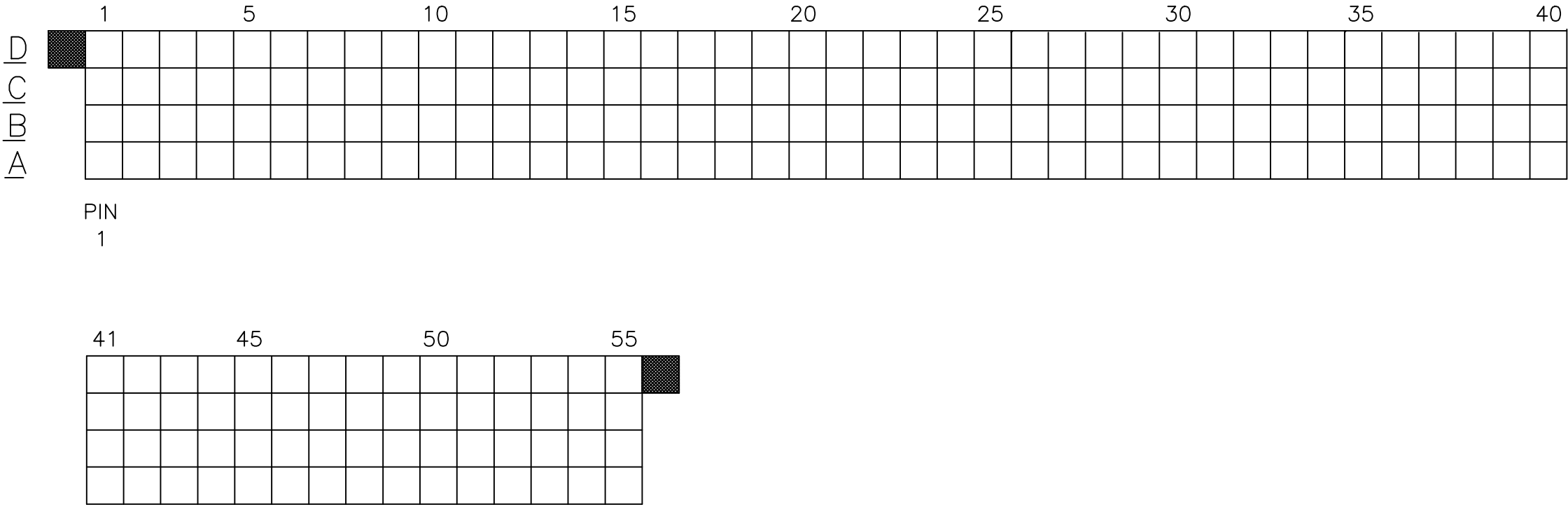
1. ALL POSITIONS ARE LOADED WITH "A" EXCEPT AS SHOWN.
2. COLUMN 1, ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE.

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		INCH/MM 	title 4 ROW VERTICAL HEADER W/PRESS–FIT PINS, 0 G.P.			
U				angles	linear					
				0°±2°						
				dr	D.HORCHLER	2005–06–29		dwg no		sheet10 of 14size
				enr	D.HORCHLER	2005–06–29		50009		A3
				chr	M JACOB	2014–01–29		type Product Customer Drawing		
				appd	BIJU K PAUL	2014–01–29				
sheet index	revision sheet									

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		surface		tolerance		projection		product family							
SEE NOTE 3		ISO 1302 ✓		ISO 406 ISO 1101				HPC							
ltr	ecn no	dr	date	tolerances unless otherwise specified				title							
U				angles	linear										
				0°±2°				4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.							
				dr	D.HORCHLER	2005-06-29			dwg no		sheet 11 of 14		size		
				enr	D.HORCHLER	2005-06-29			50009				A3		
				chr	M JACOB	2014-01-29									
				appd	BIJU K PAUL	2014-01-29			type		Product Customer Drawing				
sheet index	revision sheet														

PRODUCT NO.	SIGNAL DATA				
	SIZE 4 x 55	TOTAL NO. OF POSITIONS –220	NO OF POSITIONS LOADED – 220		
	ITEM KEY	PINS: PLATING:	QUANTITY	MATING LENGTH	TAIL LENGTH
50009–XX190	A	SEE SHEET 3	220	.220 / 5.59	.250 / 6.35
50009–XX190LF	A	SEE SHEET 3	220	.220 / 5.59	.250 / 6.35



- 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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