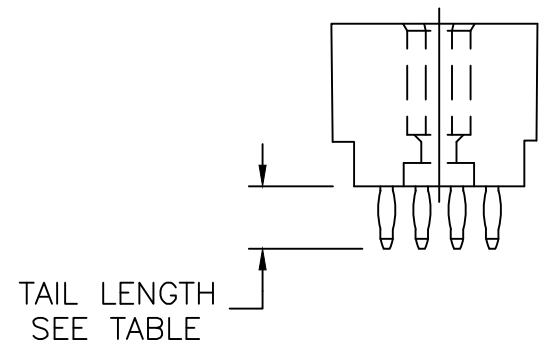
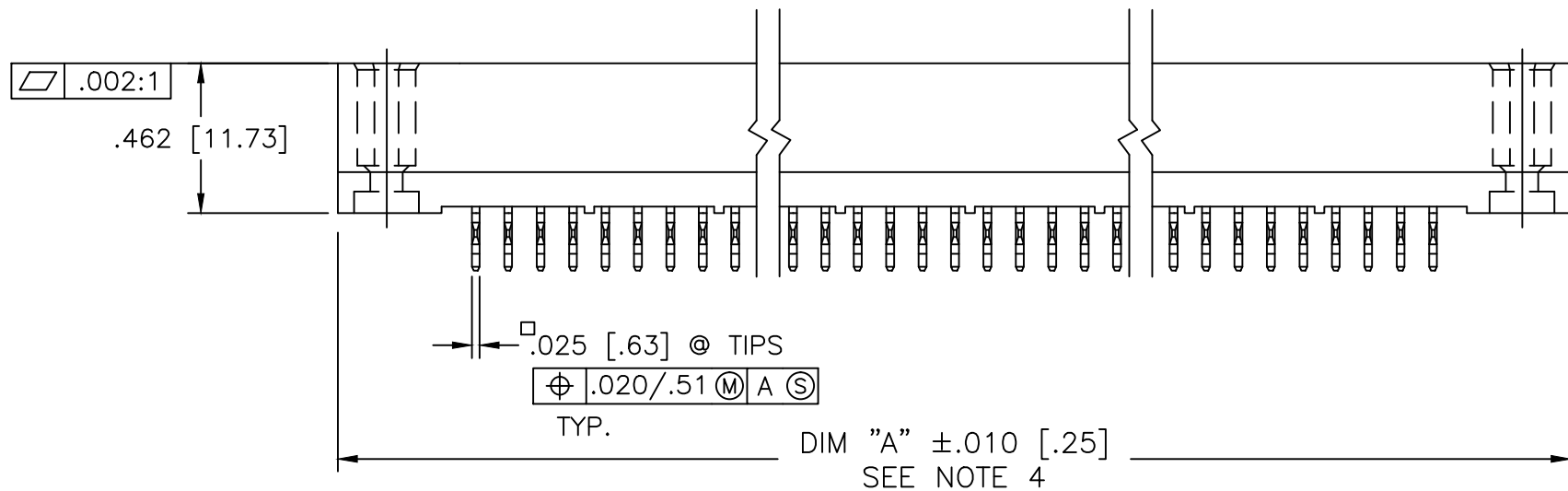
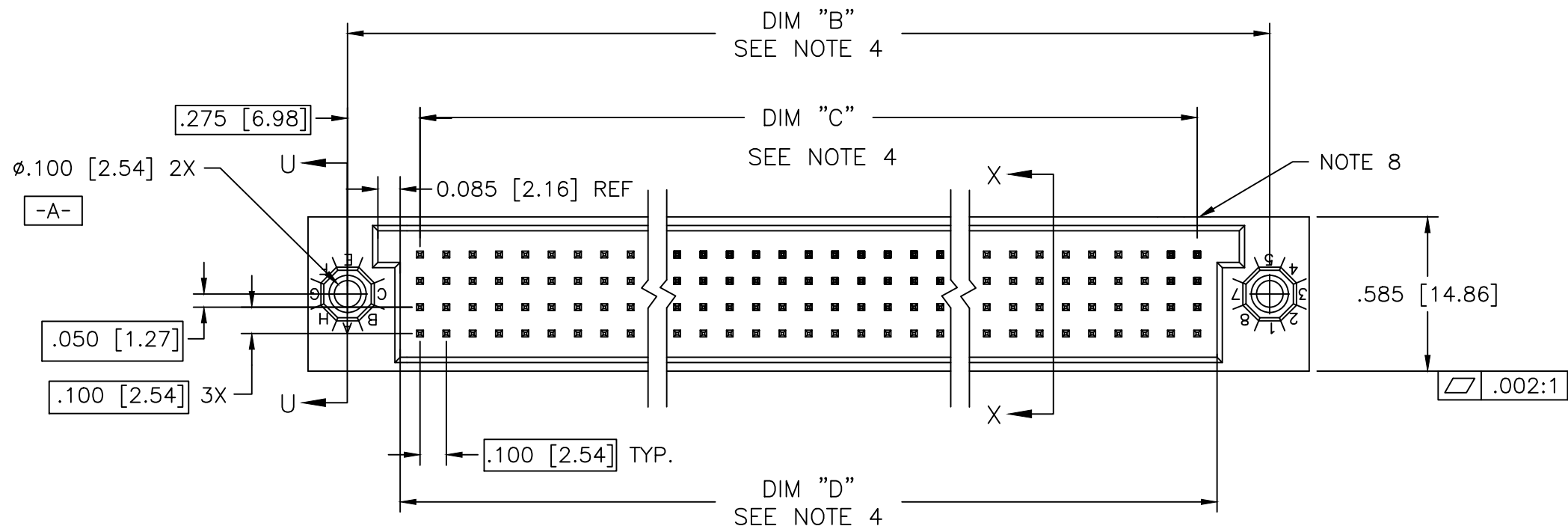




FCIconnect.com

Copyright FCI

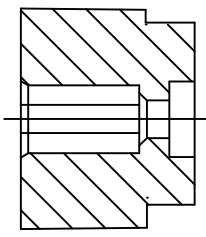
PRODUCT NUMBER
SEE TABLE AND NOTES 1 & 2 ONSHEET 3



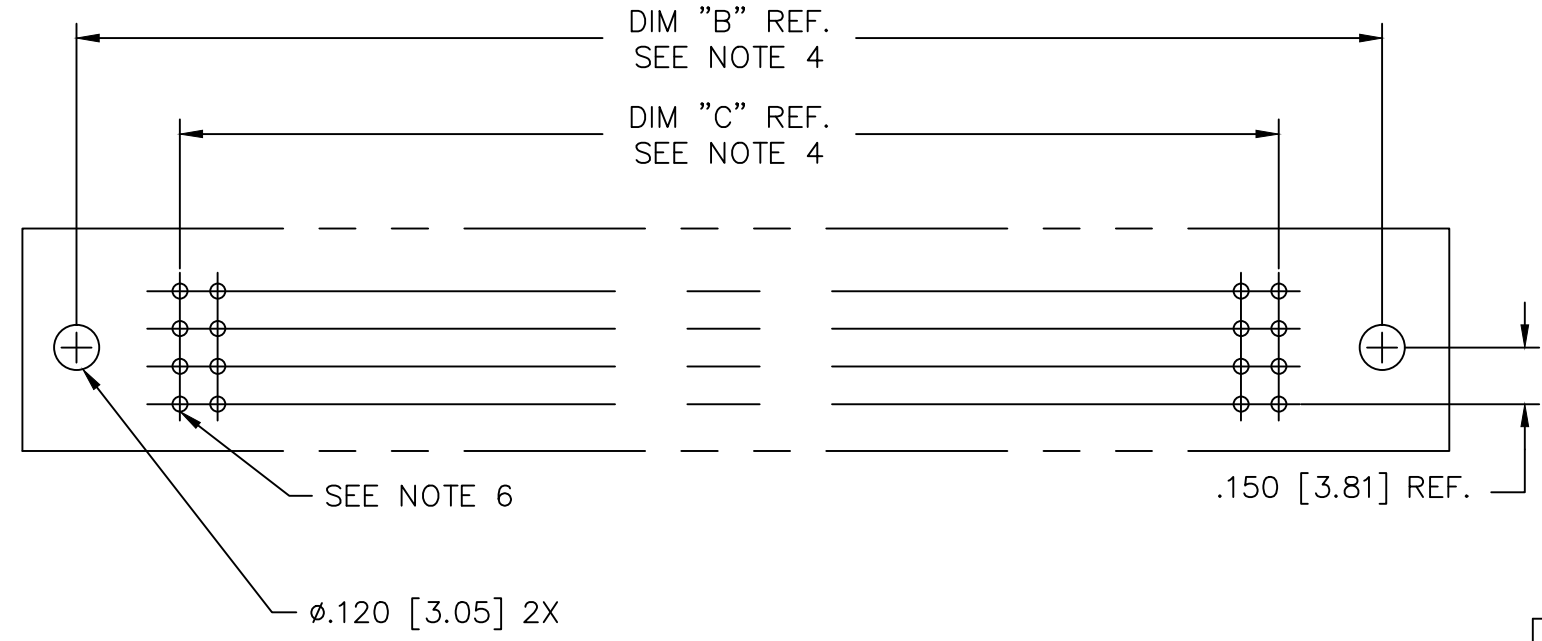
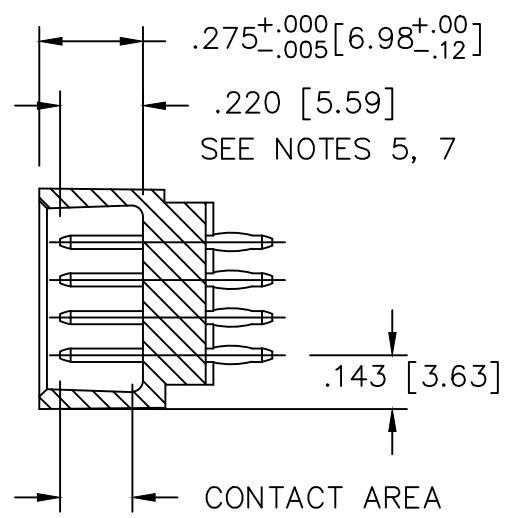
mat'l. code SEE NOTE 3				surface ISO 1302 ✓			tolerance ISO 406 ISO 1101			projection 			product family HPC															
ltr	ecn no	dr	date	tolerances unless otherwise specified													title 4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.											
S	I11-0094	SAL	2011-05-23	angles	linear	.XX±.01/.3			scale 1:1																			
T	ELX-I-13738	MJA	2012-12-21			.xxx±.005/.13																						
U	ELX-I-16877	MJA	2014-01-29	0°±2°			.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																				
sheet		revision		U	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

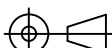
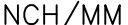
SECTION U-U



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 W/PRESS-FIT PINS, 0 G.P.										
						.XXX±.005/.13													
				0°±2°		.XXXX±.0020/.051		scale 1:1											
				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																	

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.

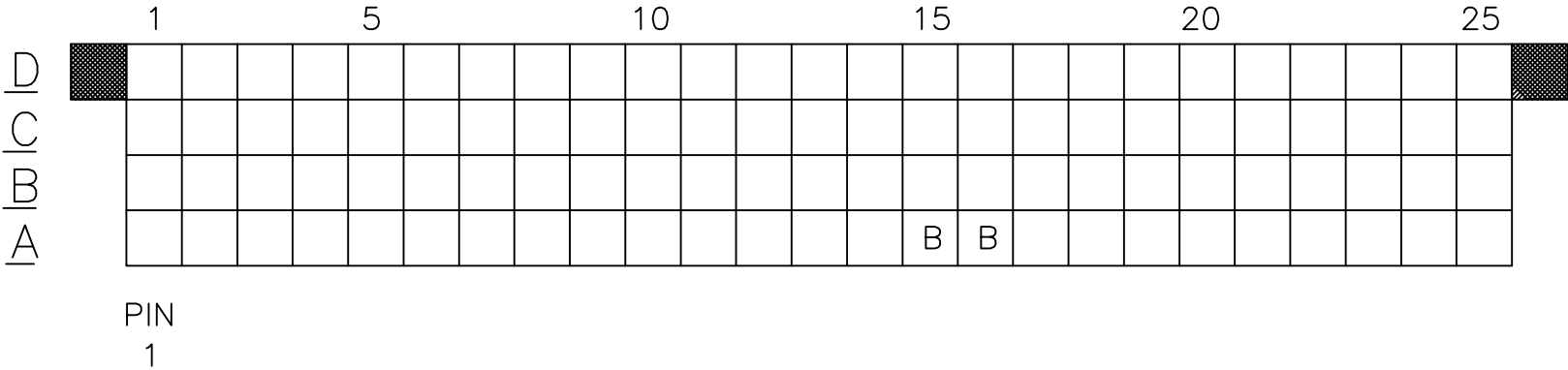
⑨. PRODUCT WITH "LF" SUFFIX MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

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 .

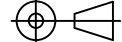
- ②. THIS PRODUCT IS CONFIGURED IN SIZES OF 6 thru 100 COLUMNS IN INCREMENTS OF ONE.
i.e.: 6,7,8,9,.....99,100.
- ③. HOUSING MATERIAL: GLASS AND MINERAL FILLED
HIGH TEMP. THERMOPLASTIC. FLAME RETARDANT PER
UL94V-0. COLOR: BLACK.
PIN MATERIAL: PHOS BRONZE
- ④. LENGTH CALCULATIONS:
DIMENSION "A" = $.100/2.54 \times \text{NO. OF COLUMNS} + .75/19.1$
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.

form: A3 1 2 3 4 PDS: Rev :U 5 STATUS:Released 6 Printed: Jan 29, 2014

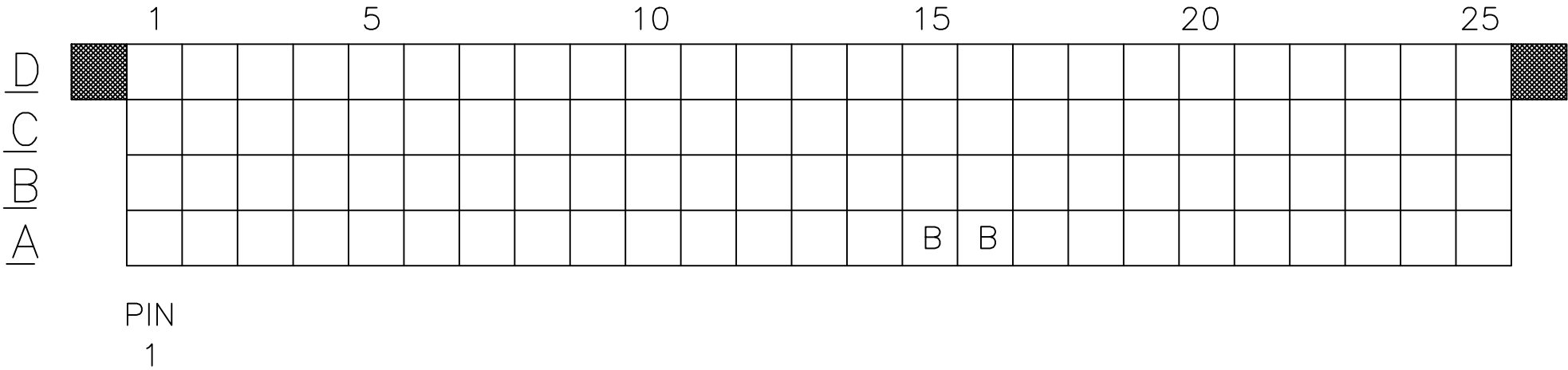
PRODUCT NO.	ITEM KEY	SIGNAL DATA			
		SIZE 4 x 25	TOTAL NO. OF POSITIONS –100	NO. OF POSITIONS LOADED – 100	
				PRESS FIT STYLE	
		PLATING	QTY.	MATING LENGTH	TAIL LENGTH
50009–XX005	A	SEE SHEET 3	98	.220 / 5.59	.177 / 4.50
	B	SEE SHEET 3	2	.260 / 6.60	.177 / 4.50
50009–XX005LF	A	SEE SHEET 3	98	.220 / 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 4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
U				angles 0°±2°	linear	.XX±.01/.3				INCH/MM 																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
						.XXX±.005/.13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
						.XXX±.0020/.051				scale 1:1			dwg no sheet 4 of 14 50009 type Product Customer Drawing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
				dr	D.HORCHLER	2005-06-29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
				engr	D.HORCHLER	2005-06-29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
				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 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



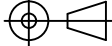
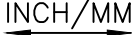
1. ALL POSITIONS ARE LOADED WITH "A", EXCEPT AS SHOWN.
2. COLUMN 1, ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE.

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 4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
U				angles	linear	.XX±.01/.3			scale 1:1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
						.xxx±.005/.13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				0°±2°		.xxx±.0020/.051						dwg no					sheet 6 of 14					size A3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
						dr	D.HORCHLER	2005-06-29				50009																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
				engr	D.HORCHLER	2005-06-29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				chr	M JACOB	2014-01-29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				appd	BIJU K PAUL	2014-01-29			type Product Customer Drawing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
sheet index		revision sheet																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

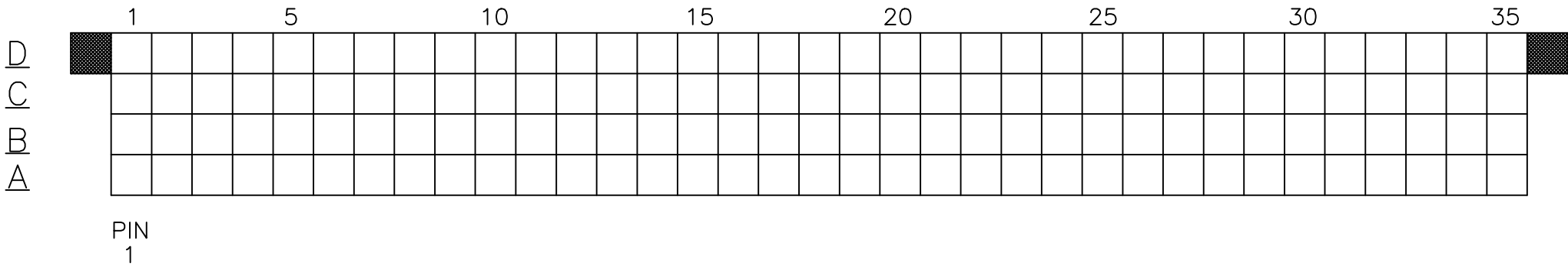
PRODUCT NO.	ITEM KEY	SIGNAL DATA				
		SIZE 4 x 50	TOTAL NO. OF POSITIONS – 200		NO. OF POSITIONS LOADED – 200	
		PIN PLATING	QTY.	MATING LENGTH	TAIL LENGTH	TOTAL PIN LENGTH
50009–XX076	A	SEE SHEET 3	130	.230 / 5.84	.177 / 4.50	.595 / 15.11
	B	SEE SHEET 3	68	.270 / 6.86	.177 / 4.50	.634 / 16.10
	C	SEE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

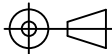
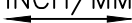
1. ALL POSITIONS ARE LOADED WITH "A", EXCEPT AS SHOWN.
2. COLUMN 1, ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE.

mat'l. code SEE NOTE 3				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family HPC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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	.XX±.01/.3																	scale 1:1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
						.XXX±.005/.13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
				0°±2°		.XXX±.0020/.051																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
				dr	D.HORCHLER	2005-06-29		dwg no 50009																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
				engr	D.HORCHLER	2005-06-29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
				chr	M JACOB	2014-01-29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
				appd	BIJU K PAUL	2014-01-29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
sheet index		revision sheet																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

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										
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	.XX±.01/.3														scale 1:1
						.XXX±.005/.13														
				0°±2°		.XXX±.0020/.051														
				dr	D.HORCHLER		2005-06-29			dwg no		sheet 8 of 14				size				
				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																		

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				
B	A	A				
A	A	A				

PIN
1

26	30	35	40	45	50
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 INCH/MM	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.
U				angles	linear		
				0°±2°			
				dr	D.HORCHLER	2005–06–29	dwg no 50009
				enr	D.HORCHLER	2005–06–29	
				chr	M JACOB	2014–01–29	
				appd	BIJU K PAUL	2014–01–29	type Product Customer Drawing
sheet index	revision sheet						

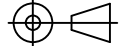
PRODUCT NUMBER	ITEM KEY	SIGNAL DATA			
		SIZE 4 x 80	TOTAL NO. OF	POSITIONS –320	NO. OF POSITIONS LOADED – 320
		PRESS FIT STYLE			
		PIN PLATING	QTY.	MATING LENGTH	TAIL LENGTH
50009–XX188	A	SEE SHEET 3	304	.210 / 5.33	.533 / 13.54
	B	SEE SHEET 3	16	.244 / 6.20	.533 / 13.54
50009–XX188LF	A	SEE SHEET 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										title																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
U				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/.051																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
				dr	D.HORCHLER			2005-06-29						dwg no					sheet10 of 14					size																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
				enr	D.HORCHLER			2005-06-29						50009					A3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				chr	M JACOB			2014-01-29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
				appd	BIJU K PAUL			2014-01-29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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–XX189	A	SEE SHEET 3	304	.210 / 5.33	.660 / 16.76
	B	SEE SHEET 3	16	.245 / 6.22	.660 / 16.76
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 4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
U							angles		linear		.XX±.01/.3																INCH/MM 																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
							0°±2°				.XXX±.005/.13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
											.XXXX±.0020/.051																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
							dr	D.HORCHLER		2005-06-29					dwg no					sheet11 of14size																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
							engr	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

