



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

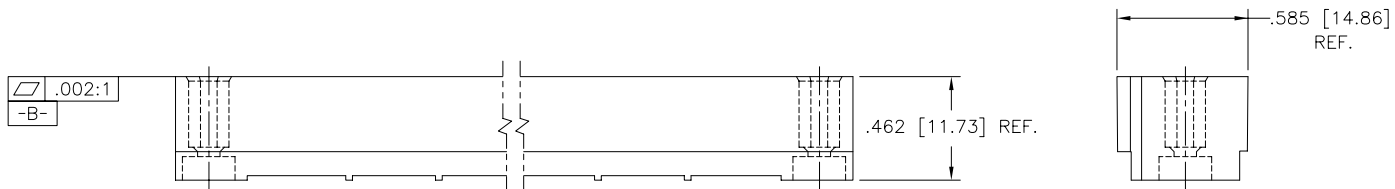
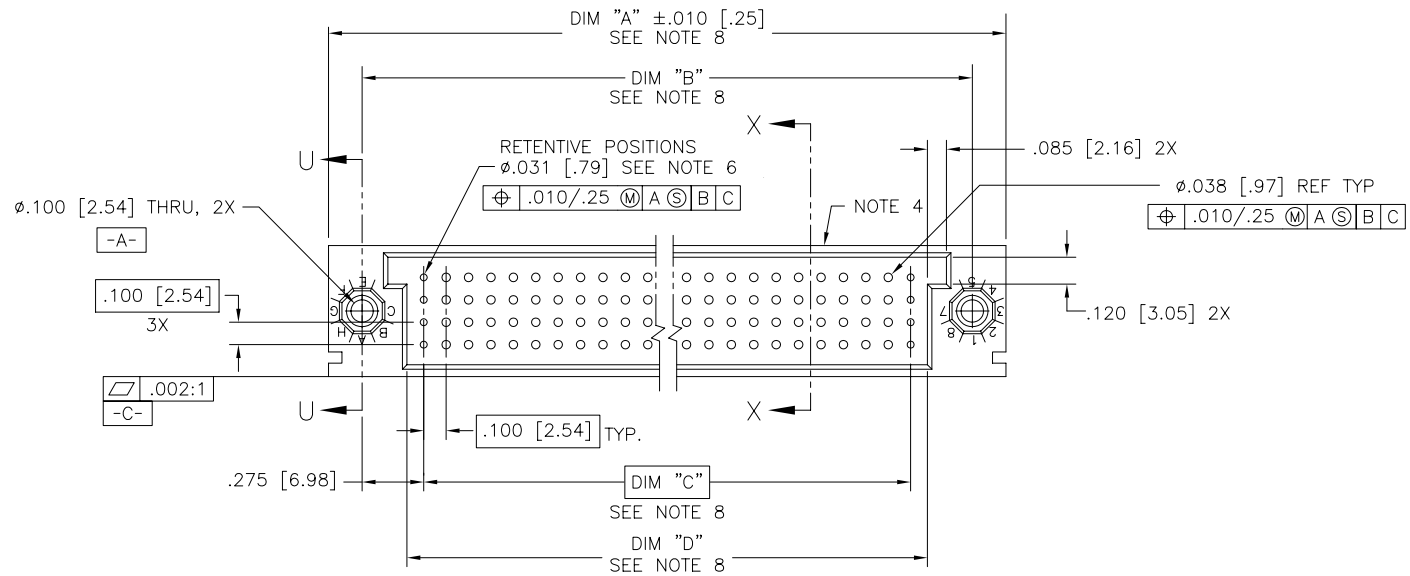
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



PRODUCT NUMBER
SEE NOTE 1



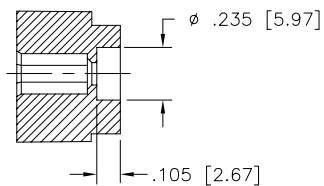
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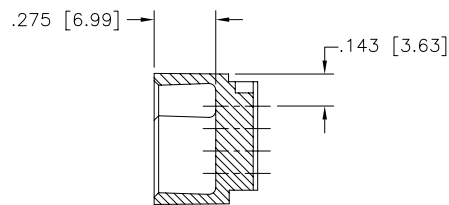
mat'l. code NOTE 3		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection ⊕		product family HPC	
ltr		ecn no		dr		date		title	
E	V41077	GAH	7/6/94	tolerances unless otherwise specified		.xx±.01/.3		VERTICAL SHROUD-RETENTIVE	
F	V94440	JWS	12/29/99	angles	linear	.xxx±.005/.13		4 ROW W/O GUIDE PINS	
G	V10135	LSS	01/11/01	0'±2'	.xxxx±.0020/.05		scale 1:1		
H	V10917	JRW	2/23/01	dr	D.SHEAFFER	8/7/91		dwg no	
J	V21712	DAI	12/04/02	enrg	S.CLARK	10/23/91		sheet 1 of 4 size	
K	V05-0698	DAI	8/18/05	chr	S.CLARK	10/23/91		50431 A3	
L	M06-0260	MHT	7/07/06	appd	S.CLARK	10/23/91		type Product Customer Drawing	
sheet	revision	L	L	L	L				
index	sheet	1	2	3	4				

form: A3

PRODUCT NUMBER
SEE NOTE 1



SECTION U-U



SECTION X-X

NOTES:

- ① PRODUCT NUMBERING CODE:
50431-X YYY X LF
- LEAD FREE (OPTIONAL)
 - ALWAYS "X"
 - NO. OF POSITIONS (SEE NOTE 2)
 - ALWAYS "X"
 - BASE NUMBER

SEE SHEET 3 FOR 50431-XX001 OR 50431-XX001LF.
SEE SHEET 4 FOR 50431-XX002 OR 50431-XX002LF.

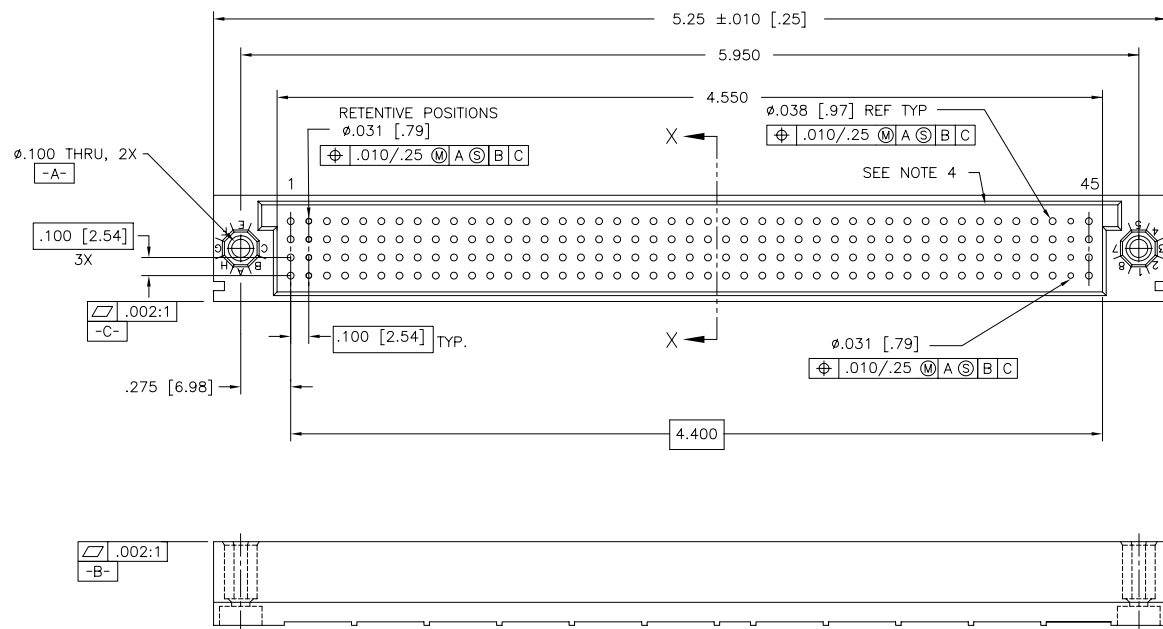
- ② THIS PRODUCT IS CONFIGURED IN SIZES OF 6 THRU 80 COLUMNS IN INCREMENTS OF ONE.
i.e.: 6, 7, 8, 9,.....79, 80.
- ③ MATERIAL: GLASS AND MINERAL FILLED THERMOPLASTIC FLAME RETARDANT PER UL94 V-0. COLOR: BLACK
- ④ MANUFACTURE'S NAME, P/N, AND LOT CODE TO APPEAR ON THIS SURFACE.
5. THIS SHROUD WILL WITHSTAND EXPOSURE TO 260° C PEAK TEMPERATURE FOR 10-30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- ⑥ DIMENSION APPLIES TO HOLES AT END COLUMNS OF EACH PIN FIELD.
- ⑦ THIS PRODUCT (WITH "LF" SUFFIX) MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

⑧ LENGTH FORMULAS

- DIM A = .100/2.54 x NO. OF COLUMNS + .75/19.1
- DIM B = .100/2.54 x NO. OF COLUMNS + .450/11.43
- DIM C = .100/2.54 x NO. OF COLUMNS - .100/2.54
- DIM D = .100/2.54 x NO. OF COLUMNS + .050/1.27

mat'l. code		surface		tolerance		projection		product family	
NOTE 3		ISO 1302 ✓		ISO 406 ISO 1101				HPC	
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title		
L					angles	.xx±.01/.3	INCH/MM		
					linear	.xxx±.005/.13	VERTICAL SHROUD-RETENTIVE		
					0'±2'	.xxx±.0020/.051	4 ROW W/O GUIDE PINS		
					dr	D.SHEAFFER 8/7/91	scale 1:1		
					enr	S.CLARK 10/23/91	dwg no		
					chr	S.CLARK 10/23/91	sheet 2 of 4 size		
					appd	S.CLARK 10/23/91	50431 A3		
sheet index		revision sheet						type Product Customer Drawing	

PRODUCT NUMBER	DESCRIPTION	NOTES
50431-XX001	180 POSITION CUSTOM PLACED RETENTION COLUMNS	-
50431-XX001LF	SAME AS 50431-XX001	SEE NOTE 7



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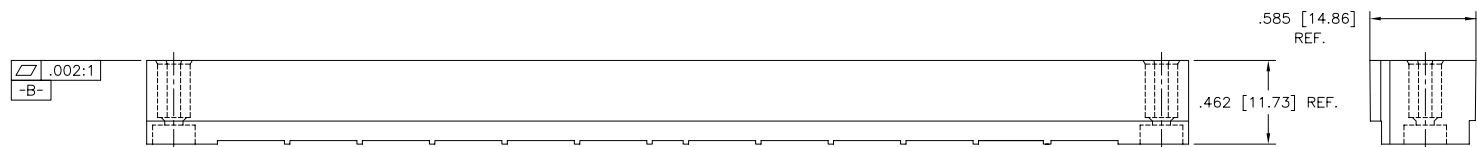
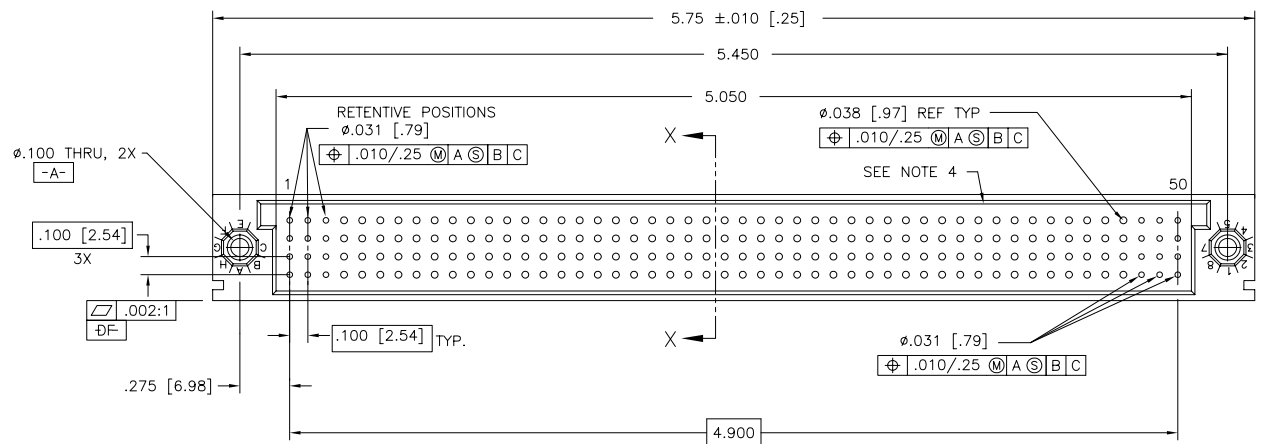
mat'l. code NOTE 3		surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection FIRST ANGLE	product family HPC
ltr	ecn	no	dr	date	tolerances unless otherwise specified
L					linear .xx±.01/.3 angles 0'±2'
					linear .xxx±.005/.13 .xxxx±.0020/.051
			dr	D.SHEAFFER	8/7/91
			enr	S.CLARK	10/23/91
			chr	S.CLARK	10/23/91
			appd	S.CLARK	10/23/91
sheet index	revision sheet				



title	VERTICAL SHROUD-RETENTIVE 4 ROW W/O GUIDE PINS	
dwg no	50431	sheet 3 of 4 size A3
type	Product Customer Drawing	

form: A3

PRODUCT NUMBER	DESCRIPTION	NOTES
50431-XX002	200 POSITION CUSTOM PLACED RETENTION COLUMNS	-
50431-XX002LF	SAME AS 50431-XX002	SEE NOTE 7



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mat'l. code 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 VERTICAL SHROUD-RETENTIVE 4 ROW W/O GUIDE PINS
L		angles	linear		
		0°±2'	.xx±.01/.3 .xxx±.005/.13 .xxxx±.0020/.051		dwg no 50431
		dr	D.SHEAFFER 8/7/91	FCJ	sheet 4 of 4 size A3
		enr	S.CLARK 10/23/91		type Product Customer Drawing
		chr	S.CLARK 10/23/91		
		appd	S.CLARK 10/23/91		
sheet index	revision sheet				