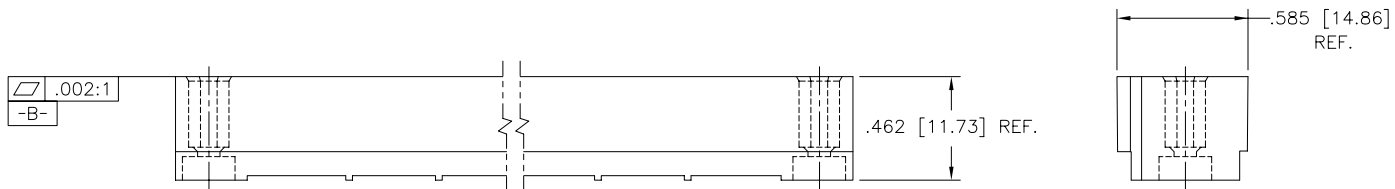
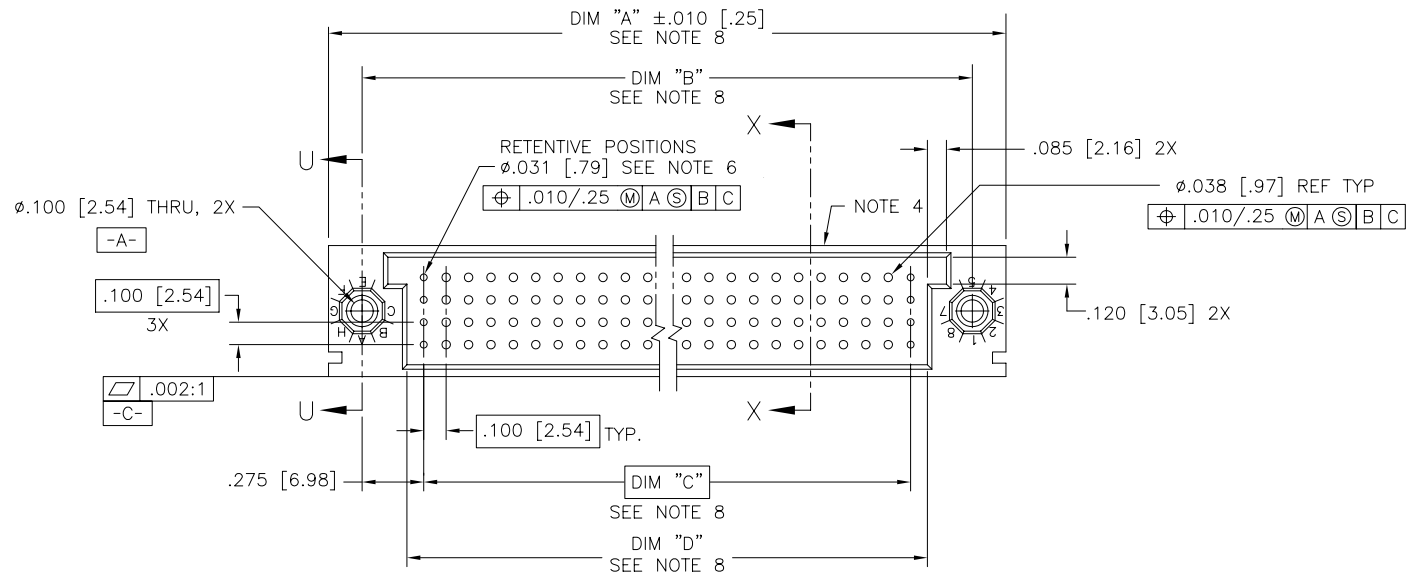


PRODUCT NUMBER
SEE NOTE 1



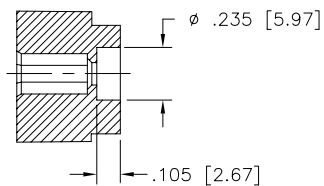
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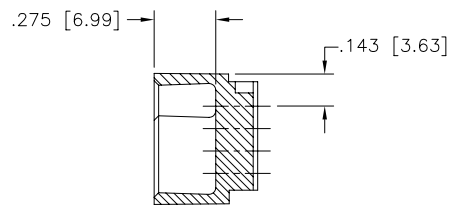
mat'l. code NOTE 3		surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection ⊕	product family HPC	
ltr	ecn no	dr	date	tolerances unless otherwise specified	title	
E	V41077	GAH	7/6/94	angles .xx±.01/.3	VERTICAL SHROUD-RETENTIVE 4 ROW W/O GUIDE PINS	
F	V94440	JWS	12/29/99	linear .xxx±.005/.13		
G	V10135	LSS	01/11/01	0'±2' .xxxx±.0020/.05	INCH/MM	
H	V10917	JRW	2/23/01	dr D.SHEAFFER 8/7/91	scale 1:1	
J	V21712	DAI	12/04/02	enr S.CLARK 10/23/91	dwg no 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.

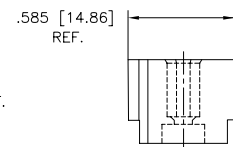
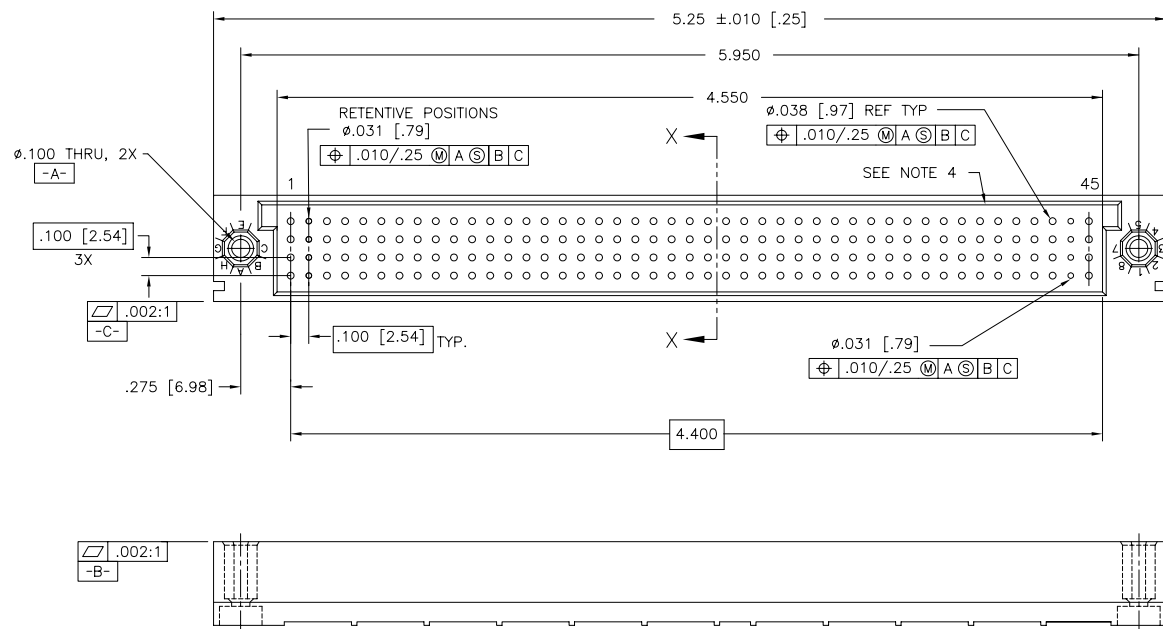
- ② THIS PRODUCT IS CONFIGURED IN SIZES OF 6 THRU 80 COLUMNS IN INCREMENTS OF ONE.
i.e.: 6, 7, 8, 9,.....79, 80.
- ③ MATERIAL: GLASS AND MINERAL FILLED THERMOPLASTIC FLAME RETARDANT PER UL94 V-0. COLOR: BLACK
- ④ MANUFACTURE'S NAME, P/N, AND LOT CODE TO APPEAR ON THIS SURFACE.
5. THIS SHROUD WILL WITHSTAND 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	VERTICAL SHROUD-RETENTIVE		
					linear	.XXX±.005/.13	4 ROW W/O GUIDE PINS		
					0'±2'	.XXX±.0020/.051	scale 1:1		
			dr	D.SHEAFFER	8/7/91			dwg no	sheet 2 of 4 size
			enr	S.CLARK	10/23/91			50431	A3
			chr	S.CLARK	10/23/91				
			appd	S.CLARK	10/23/91				
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

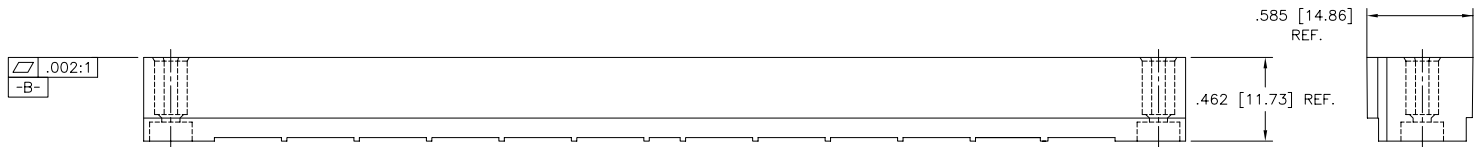
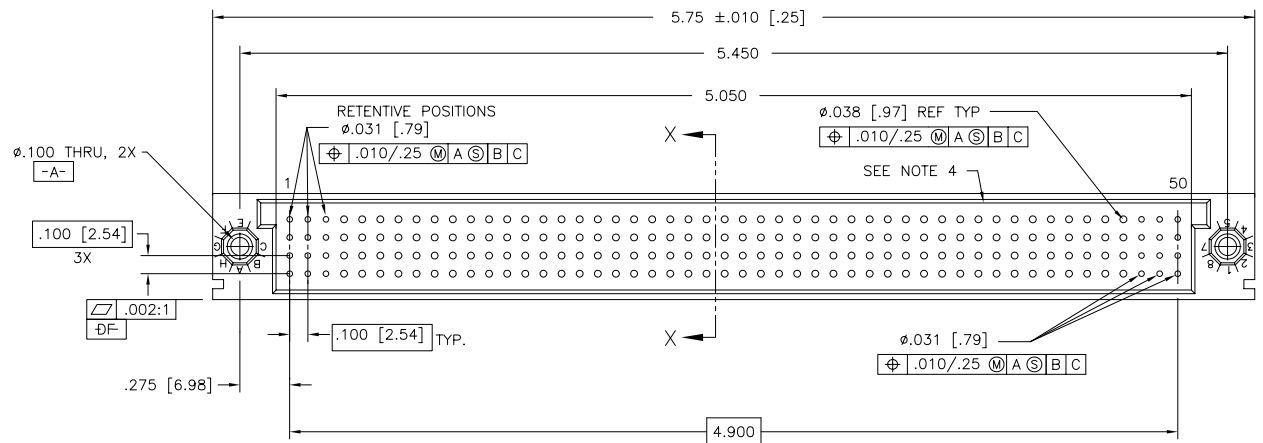


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mat'l. code NOTE 3		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection FIRST ANGLE		product family HPC	
ltr		ecn no		dr		date		title	
L								VERTICAL SHROUD-RETENTIVE 4 ROW W/O GUIDE PINS	
				angles		linear		INCH/MM	
				0°±2'		.xx±.01/.3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



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



mat'l. code NOTE 3		surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC
ltr	ecn	no	dr	date	title
L					VERTICAL SHROUD-RETENTIVE 4 ROW W/O GUIDE PINS
				angles	.xx±.01/.3
				linear	.xxx±.005/.13
				0°±2'	.xxxx±.0020/.05
				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	revision				scale 1:1
index	sheet				FCJ
					dwg no 50431
					sheet 4 of 4 size A3
					type Product Customer Drawing