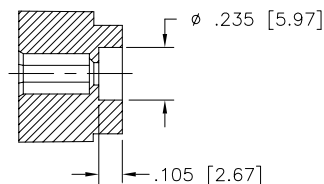


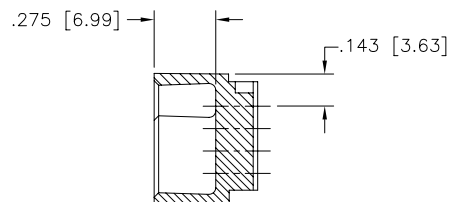
mat'l. code NOTE 3				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family HPC			
ltr		ecn no		dr		date		tolerances unless otherwise specified				title	
E		V41077		GAH		7/6/94		angles		linear		.XX±.01/.3	
F		V94440		JWS		12/29/99				linear		.XXX±.005/.13	
G		V10135		LSS		01/11/01		0'±2'				.XXXX±.0020/.05	
H		V10917		JRW		2/23/01		dr		D.SHEAFFER		8/7/91	
J		V21712		DAI		12/04/02		engr		S.CLARK		10/23/91	
K		V05-0698		DAI		8/18/05		chr		S.CLARK		10/23/91	
L		M06-0260		MHT		7/07/06		appd		S.CLARK		10/23/91	
sheet		revision		L		L		L		L			
index		sheet		1		2		3		4			

1 2 3 4 5 6

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

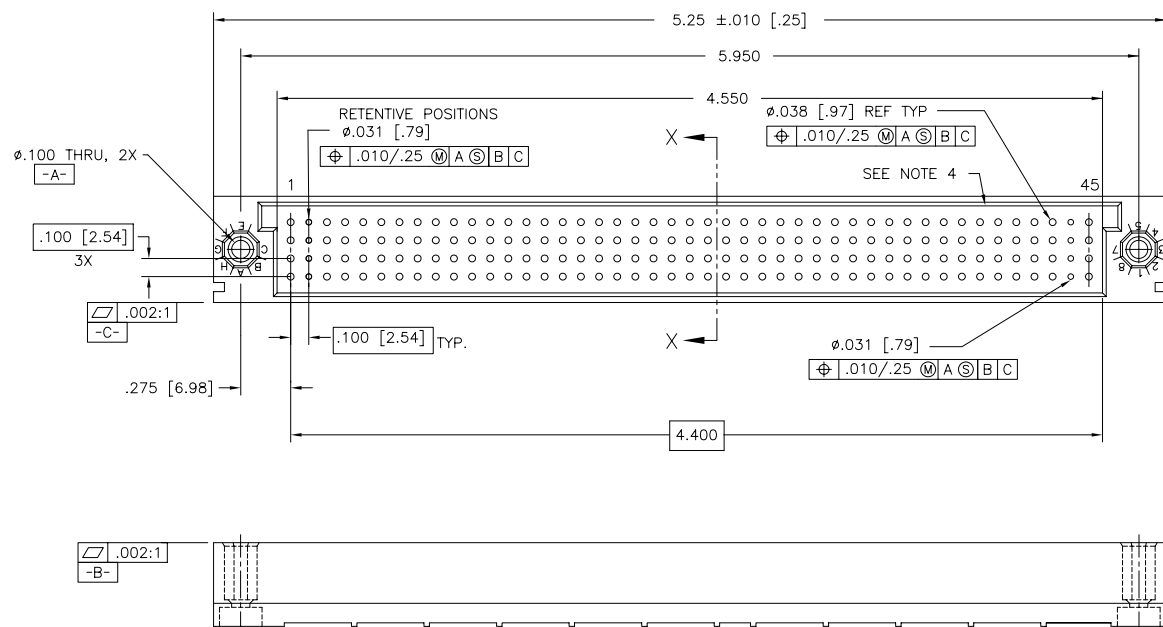
DIM A = .100/2.54 x NO. OF COLUMNS + .75/19.1
DIM B = .100/2.54 x NO. OF COLUMNS + .450/11.43
DIM C = .100/2.54 x NO. OF COLUMNS - .100/2.54
DIM D = .100/2.54 x NO. OF COLUMNS + .050/1.27

mat'l. code NOTE 3				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC
ltr	ecr	no	dr	date	tolerances unless otherwise specified	scale 1:1 FCJ	title
L					angles linear .XX±.01/.3		VERTICAL SHROUD-RETENTIVE
					0'±2' .xxx±.005/.13		4 ROW W/O GUIDE PINS
					.xxx±.0020/.05		dwg no sheet2 of 4 size
				dr	D.SHEAFFER 8/7/91		50431 A3
				enr	S.CLARK 10/23/91		
				chr	S.CLARK 10/23/91		
				appd	S.CLARK 10/23/91		type Product Customer Drawing
sheet index	revision sheet						

form: A3

1 2 3 4 5 6

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



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



PDM: Rev:L STATUS: **Released** Printed: May 13, 2011