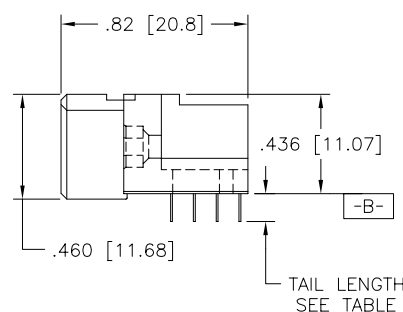
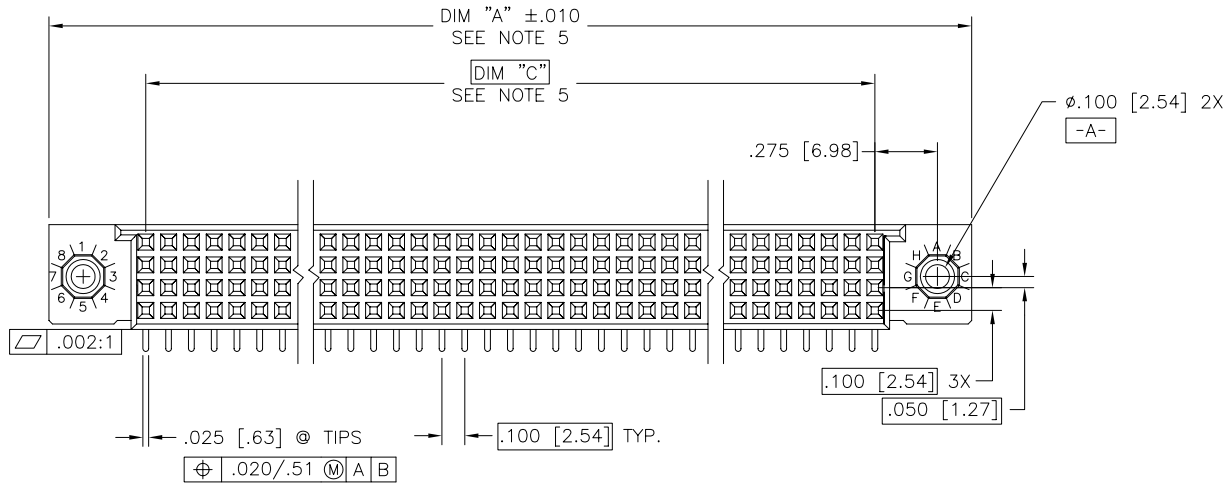
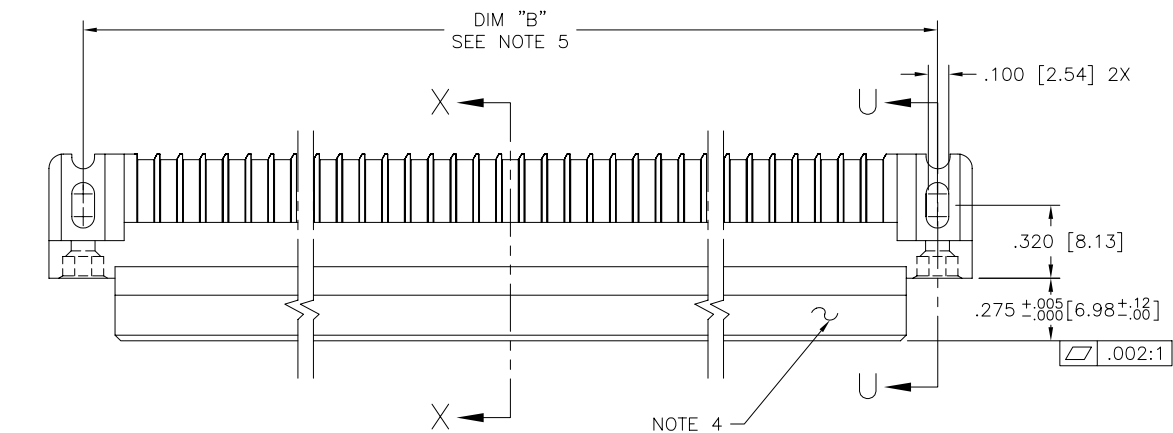




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PRODUCT NUMBER  
SEE TABLE



mat'l. code SEE NOTE 3				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM scale 1:1	product family HPC
ltr	ecn no	dr	date	tolerances unless otherwise specified		FCI	title
H	V40837	PDP	5/5/94	angles	.XX±.01/.3		4 ROW R/A RECEPTACLE
J	V41511	GAH	10/13/94	linear	.XXX±.005/.13		SOLDER TAIL, 0 GUIDE PIN
K	V50266	SAR	9/5/95	0°±2°	.XXXX±.0020/.051		
L	V82251	HTB	12/28/98	dr			
M	V00253	JWS	1/12/00	enr	S.CLARK	1/7/90	dwg no
N	V05-0513	DAI	10/19/05	chr	S.CLARK	1/7/90	sheet 1 of 4
P	M06-0283	MHT	7/27/06	appd	S.CLARK	1/7/90	size
sheet	revision	P	P	P	P		50003
index	sheet	1	2	3	4		A3
							type
							Product Customer Drawing

form: A3

1

2

3

4

5

6

PRODUCT NUMBER  
SEE TABLE

## NOTES:

## 1. PRODUCT NUMBERING CODE:

50003 - X YYY Z LF

LEAD FREE (OPTIONAL)

TAIL LENGTH SEE TABLE

NO. OF POSITIONS SEE NOTE 2

PLATING SEE TABLE

BASE NUMBER

PRODUCT NUMBERING CODE FOR  
SELECT LOAD PART NUMBERS:

50003 - XXYYY LF

LEAD FREE (OPTIONAL)

SEQUENCE NUMBER

ALWAYS 'XX'

BASE NUMBER

- 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 HOUSING MATERIAL: GLASS AND MINERAL FILLED THERMOPLASTIC.  
CONTACT MATERIAL: BeCu

- ④ COMPANY NAME, PART NUMBER AND LOT CODE TO  
APPEAR ON THIS SURFACE PER BUS-12-108.

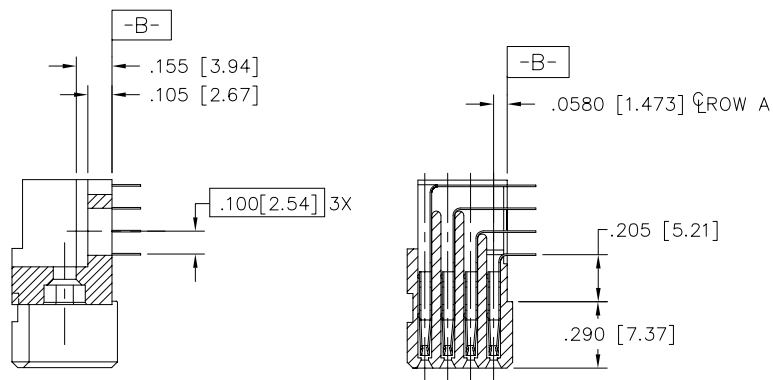
## ⑤ LENGTH FORMULAS

DIM A =  $.100/2.54 \times \text{NO. OF COLUMNS} + .75/19.1$ DIM B =  $.100/2.54 \times \text{NO. OF COLUMNS} + .450/11.43$ DIM C =  $.100/2.54 \times \text{NO. OF COLUMNS} - .100/2.54$ 

6. PRODUCT WITH 'LF' SUFFIX MEETS EUROPEAN UNION  
DIRECTIVES AND OTHER COUNTRY REGULATIONS AS  
DISCRIBED IN GS-22-008.

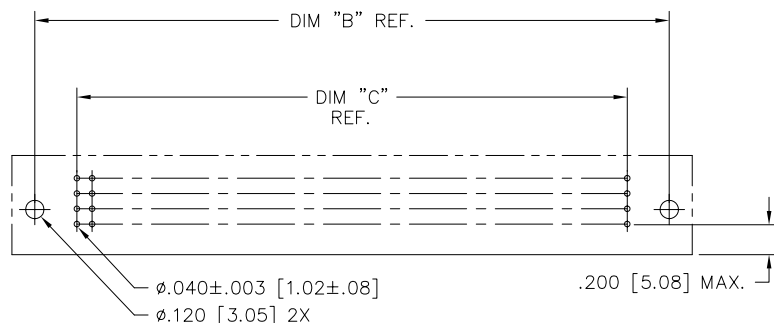
7. THIS HOUSING WILL WITHSTAND EXPOSURE TO 260° C PEAK  
TEMPERATURE FOR 10-30 SECONDS IN CONVECTION, INFRA-RED  
OR VAPOR PHASE REFLOW OVEN.

- ⑧ DUE TO SPECIAL PLATING, LF NOT AVAILABLE FOR 50003-XX002.



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 ✓ ISO 406 ISO 1101	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC
ltr P	ecm no	dr date	tolerances unless otherwise specified	title 4 ROW R/A RECEPTACLE SOLDER TAIL, 0 GUIDE PIN
			angles linear 0°±2'	scale 1:1
			dr D.SHEAFER 1/7/90	sheet 2 of 4 size
			enr S.CLARK 1/7/90	50003 A3
			chr S.CLARK 1/7/90	type Product Customer Drawing
			appd S.CLARK 1/7/90	
sheet index	revision sheet			

PRODUCT NUMBER  
SEE TABLE

50003-XX002 ONLY

	75		70		65		60		55		50		45		40		36	
D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

35		30		25		20		15		10		5		1	
D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

TERM.  
1

NOTES FOR 50003-XX002 ONLY:

- ALL POSITIONS ARE LOADED AS SHOWN.
- COLUMN 1, ROW A IS DESIGNATED AS SIGNAL TERM. 1, AS VIEWED FROM THE MATING FACE.
- SIGNAL DATA FOR 50003-XX002  
SIZE 4X 75  
TOTAL NUMBER OF POSITIONS: 300  
TOTAL NUMBER OF POSITIONS LOADED: 300

ITEM KEY	QTY.	TAIL LENGTH
A	75	.125 / 3.18
B	75	.125 / 3.18
C	75	.125 / 3.18
D	75	.125 / 3.18

mat'l. code SEE NOTE 3	surface ISO 1302	tolerance ISO 406 ISO 1101	projection 	product family HPC
ltr P	ecn no	dr date	tolerances unless otherwise specified linear angular 0°±2'	title 4 ROW R/A RECEPTACLE SOLDER TAIL, 0 GUIDE PIN
			scale 1:1	dwg no 50003
		dr D.SHEAFER 1/7/90		sheet 3 of 4 size A3
		enr S.CLARK 1/7/90		type Product Customer Drawing
		chr S.CLARK 1/7/90		
		appd S.CLARK 1/7/90		
sheet index	revision sheet			

form: A3



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PRODUCT NUMBER	NUMBER OF POSITIONS SEE NOTE 2	TAIL LENGTH	CONTACT PLATING	TAIL PLATING
50003-1YYYYE	YYY	.125±.010 / 3.18±0.25	30u" /0.76u Au	TIN/LEAD
50003-1YYYYF	YYY	.145±.010 / 3.68±0.25	30u" /0.76u Au	TIN/LEAD
50003-1YYYYH	YYY	.180±.010 / 4.57±0.25	30u" /0.76u Au	TIN/LEAD
50003-3YYYYE	YYY	.125±.010 / 3.18±0.25	50u" /1.27u Au	TIN/LEAD
50003-3YYYYF	YYY	.145±.010 / 3.68±0.25	50u" /1.27u Au	TIN/LEAD
50003-3YYYYH	YYY	.180±.010 / 4.57±0.25	50u" /1.27u Au	TIN/LEAD
50003-5YYYYE	YYY	.125±.010 / 3.18±0.25	30u" /0.76u GXT	TIN/LEAD
50003-5YYYYELF	YYY	.125±.010 / 3.18±0.25	30u" /0.76u GXT	TIN
50003-5YYYYF	YYY	.145±.010 / 3.68±0.25	30u" /0.76u GXT	TIN/LEAD
50003-5YYYYFLF	YYY	.145±.010 / 3.68±0.25	30u" /0.76u GXT	TIN
50003-5YYYYH	YYY	.180±.010 / 4.57±0.25	30u" /0.76u GXT	TIN/LEAD
50003-5YYYYHLF	YYY	.180±.010 / 4.57±0.25	30u" /0.76u GXT	TIN
50003-XX002	YYY	.125±.010 / 3.18±0.25	80u" /2.03u Au	TIN/LEAD

NOTE 8

mat'l. code SEE NOTE 3				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 	product family HPC
ltr	ecm	no	dr	date	tolerances unless otherwise specified	INCH/MM scale 1:1 	title
P					angles linear .XX±.01/.3		4 ROW R/A RECEPTACLE
					0'±2' .XXX±.005/.13		SOLDER TAIL, 0 GUIDE PIN
					.XXXX±.0020/.051		
			dr	D.SHEAFER	1/7/90	FCI	dwg no
			enr	S.CLARK	1/7/90		sheet 4 of 4 size
			chr	S.CLARK	1/7/90		50003 A3
			appd	S.CLARK	1/7/90		type Product Customer Drawing
sheet index	revision sheet						