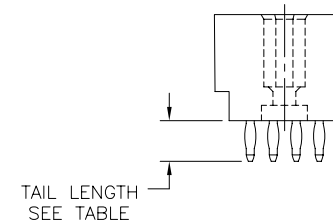
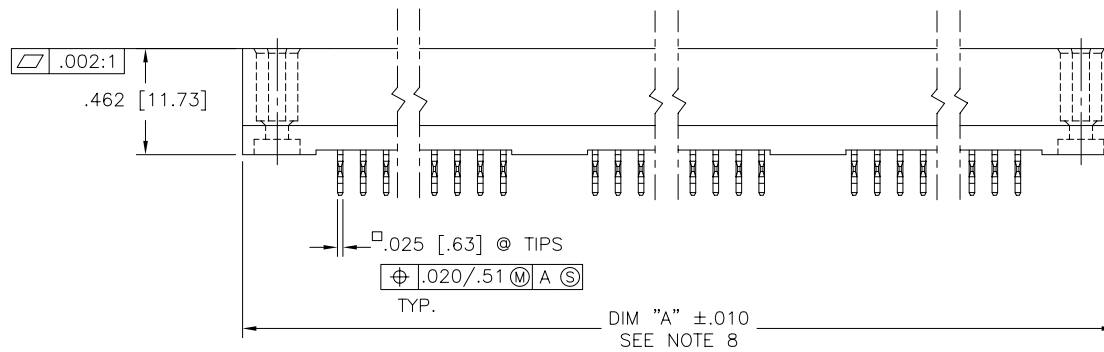
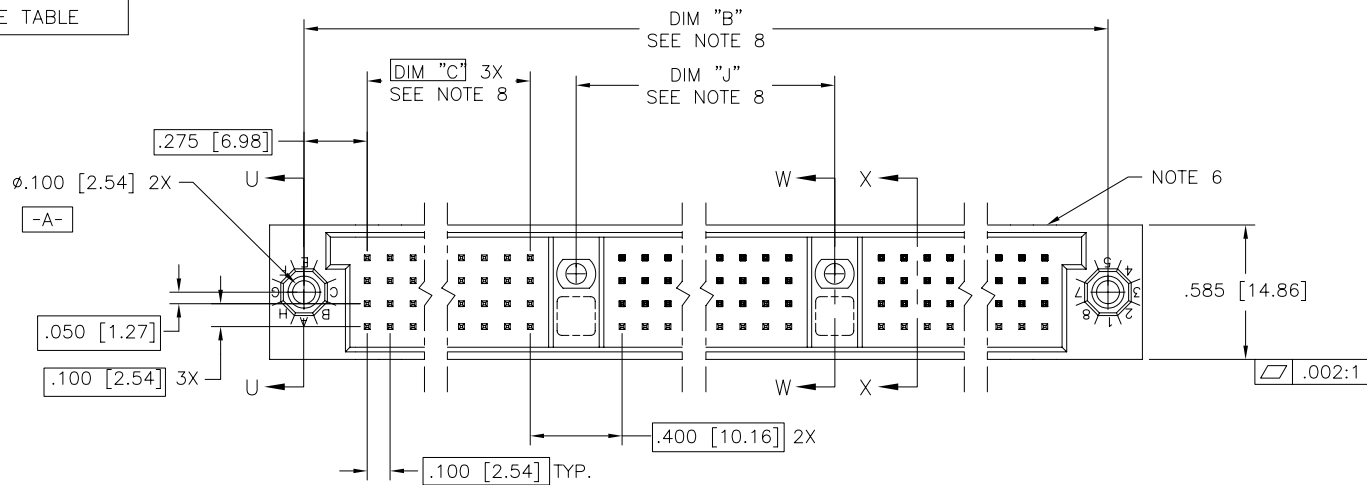




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PRODUCT NUMBER
SEE TABLE



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							
D	V40285	GIP	1/20/94	angles linear		.XX±.01/.3				INCH/MM							
E	V40941	PDP	6/1/94			.XXX±.005/.13											
F	V82253	HTB	12/29/98	0'±2"		.XXX±.0020/.05				scale 1:1							
G	V00271	JWS	1/31/00	dr	D.SHEAFFER		3/14/91				dwg no		sheet 1 of 7		size		
H	V05-0739	DAI	09/14/05	enr	S.CLARK		3/14/91				50011		A3				
J	V05-1039	DAI	11/11/05	chr	S.CLARK		3/14/91				type		Product		Customer		Drawing
K	M06-0283	MHT	7/27/06	appd	S.CLARK		3/14/91										
sheet	revision		K	K	K	K	K	K	K								
index	sheet		1	2	3	4	5	6	7								

form: A3

PRODUCT NUMBER
SEE TABLE

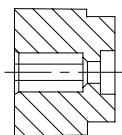
NOTES:

1. PRODUCT NUMBERING CODE:
50011 - X YYY Z LF
LEAD FREE (OPTIONAL)
TAIL LENGTH (SEE TABLE)
NO. OF POSITIONS (SEE NOTE 2)
PLATING (SEE TABLE)
BASE NUMBER

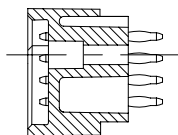
PRODUCT NUMBERING CODE FOR
SELECT LOAD PART NUMBERS:

- 50011 - XXYYY LF
LEAD FREE (OPTIONAL)
SEQUENCE NUMBER
ALWAYS 'XX'
BASE NUMBER

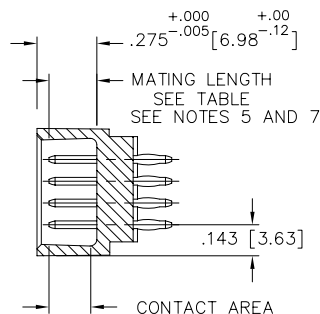
- ② THIS PRODUCT IS CONFIGURED IN SIZES OF 30 thru 150 COLUMNS IN INCREMENTS OF THREE.
i.e.: 30,33,36,39,.....147,150.
- ③ HOUSING MATERIAL: GLASS AND MINERAL FILLED HIGH TEMP. THERMOPLASTIC. FLAME RETARDANT PER UL94V-0. COLOR: BLACK.
PIN MATERIAL: PHOS BRONZE
- ④ $\phi .0453/1.151$ DRILLED HOLE PLATED 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.
- ⑤ 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.
- ⑥ COMPANY NAME, PART NUMBER AND LOT CODE TO APPEAR ON THIS SURFACE PER BUS-12-108.
- ⑦ REFERENCE 50809 FOR F.M.L.B. AVAILABLE OPTIONS AND WORKSHEET.
- ⑧ LENGTH FORMULAS:
DIM "A" = $.100/2.54 \times \text{NO. OF COLUMNS} + 1.35/34.3$
DIM "B" = $.100/2.54 \times \text{NO. OF COLUMNS} + 1.050/26.67$
DIM "C" = $.100/2.54 \times \text{NO. OF COLUMNS DIVIDED BY 3} - .100/2.54$
DIM "J" = $.100/2.54 \times \text{NO. OF COLUMNS DIVIDED BY 3} + .300/7.62$
9. THIS PRODUCT (WITH "LF" SUFFIX) MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
10. THIS HOUSING WILL WITHSTAND EXPOSURE TO 260° C PEAK TEMPERATURE FOR 10-30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.



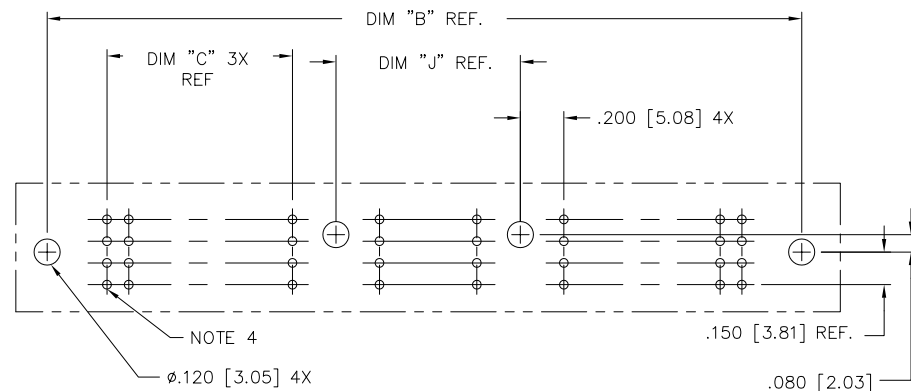
SECTION U-U



SECTION W-W



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 INCH/MM	product family HPC
ltr	ec	no	dr	date	tolerances unless otherwise specified	title
K					angles linear .XX±.01/.3	4 ROW VERTICAL HEADER
					0'±2' .XXX±.005/.13	W/PRESS-FIT PINS, 2 G.P.
					.XXX±.0020/.05	dwg no
			dr	D.SHEAFFER	3/14/91	sheet 2 of 7 size
			enr	S.CLARK	3/14/91	A3
			chr	S.CLARK	3/14/91	
			appd	S.CLARK	3/14/91	
sheet	revision					type Product Customer Drawing
index	sheet					

	1	5	10	15	20	25	30	35	40	45
D	B									
C										
B	B B B B B			B B		B B				
A	B B B B B			B B		B B B B				

1

[illegible][illegible]

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.

TOTAL NO. OF POSITIONS - 540
NO. OF POSITIONS LOADED - 540

ITEM KEY	QTY.	MATING LENGTH	TAIL LENGTH
A	455	.200/5.59	.410/10.41
B	85	.260/6.60	.420/10.67

[illegible]

1 2 3 4 5 6

PRODUCT NUMBER

SEE TABLE

SELECT LOAD (50011-XX007 AND 50011-XX007LF ONLY)

D C B A	1	5	10	15	20	25	30	35	40	45	C U I D E
PIN											
	1										
	46	50	55	60	65	70	75	80	85	90	C U I D E
				B							
	91	95	100	105	110	115	120	125	130	135	C U I D E
										B	

SPECIAL NOTES FOR -XX007 AND -XX007LF ONLY:

- ALL POSITIONS ARE LOADED WITH "A", EXCEPT AS SHOWN.
- COLUMN 1 ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE.
- SIGNAL DATA FOR 50011-XX007 AND 50011-XX007LF:
SIZE 4 X 135
TOTAL NO. OF POSITIONS - 540
NO. OF POSITIONS LOADED - 540

ITEM KEY	QTY.	MATING LENGTH	TAIL LENGTH
A	538	.200/5.08	.177/4.50
B	2	.240/6.10	.177/4.50

mat'l. code SEE NOTE 3		surface ISO 1302	tolerance ISO 406 ISO 1101	projection 	product family HPC
ltr K	ecr no	dr date	tolerances unless otherwise specified linear .XX±.01/.3 .XXX±.005/.13 .XXXX±.0020/.051	INCH/MM scale 1:1	title 4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 2 G.P.
			angles 0°±2'		dwg no 50011
			dr D.SHEAFFER 3/14/91		sheet 4 of 7 size A3
			enr S.CLARK 3/14/91		
			chr S.CLARK 3/14/91		
			appd S.CLARK 3/14/91		
sheet index	revision sheet				type Product Customer Drawing

form: A3

1 2 3 4 5 6

SELECT LOAD (50011-XX008 AND 50011-XX008LF ONLY)

ITEM KEY	QTY.	MATING LENGTH	TAIL LENGTH
A	410	.200/5.08	.177/4.50
B	2	.240/6.10	.177/4.50
X	128	N/A	N/A

[illegible]

PRODUCT NUMBER
SEE TABLE

SELECT LOAD (50011-XX011 AND 50011-XX011F ONLY)

D C B A	1	5	10	15	20	25	30	35	40	45	G U I D E
				B		B		B		B	
				B		B		B		B	
			B	B		B	B		B	B	
1	46	50	55	60	65	70	75	80	85	90	G U I D E
		B			B						
	B	B		B	B						
	B	B		B	B						
	91	95	100	105	110	115	120	125	130	135	

SPECIAL NOTES FOR -XX011 AND -XX011LF ONLY:

- ALL POSITIONS ARE LOADED WITH "A", EXCEPT AS SHOWN.
- COLUMN 1 ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE.
- SIGNAL DATA FOR 50011-XX011 AND 50011-XX011LF:
SIZE 4 X 135
TOTAL NO. OF POSITIONS - 540
NO. OF POSITIONS LOADED - 540

ITEM KEY	QTY.	MATING LENGTH	TAIL LENGTH
A	492	.200/5.08	.177/4.50
B	48	.220/5.58	.533/13.54

mat'l. code SEE NOTE 3		surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 	product family HPC
ltr	ec	no	dr	date	title
K					4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 2 G.P.
					dwg no
					sheet 6 of 7 size
					50011 A3
					type Product Customer Drawing
sheet index	revision sheet				



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PRODUCT NUMBER	NUMBER OF POSTIONS SEE NOTE 2	MATING LENGTH	TAIL LENGTH ±.015/0.38	TERMINAL PLATING
50011-1YYYA	YYY	.220[5.59]	.177/4.50	30μ"/76μ GOLD
50011-1YYYC	YYY		.533/13.54	30μ"/76μ GOLD
50011-1YYYD	YYY		.733/18.62	30μ"/76μ GOLD
50011-1YYYG	YYY		.250/6.35	30μ"/76μ GOLD
50011-1YYYL	YYY		.188/4.78	30μ"/76μ GOLD
50011-1YYYP	YYY		.470/11.94	30μ"/76μ GOLD
50011-3YYYA	YYY		.177/4.50	50μ"/1.27μ GOLD
50011-3YYYC	YYY		.533/13.54	50μ"/1.27μ GOLD
50011-3YYYD	YYY		.733/18.62	50μ"/1.27μ GOLD
50011-3YYYG	YYY		.250/6.35	50μ"/1.27μ GOLD
50011-3YYYL	YYY		.188/4.78	50μ"/1.27μ GOLD
50011-3YYYP	YYY		.470/11.94	50μ"/1.27μ GOLD
50011-5YYYA	YYY		.177/4.50	30μ"/76μ GXT
50011-5YYYALF	YYY		.177/4.50	30μ"/76μ GXT
50011-5YYYC	YYY		.533/13.54	30μ"/76μ GXT
50011-5YYYCLF	YYY		.533/13.54	30μ"/76μ GXT
50011-5YYYD	YYY		.733/18.62	30μ"/76μ GXT
50011-5YYYDLF	YYY		.733/18.62	30μ"/76μ GXT
50011-5YYYG	YYY		.250/6.35	30μ"/76μ GXT
50011-5YYYGLF	YYY		.250/6.35	30μ"/76μ GXT
50011-5YYYL	YYY		.188/4.78	30μ"/76μ GXT
50011-5YYYLLF	YYY		.188/4.78	30μ"/76μ GXT
50011-5YYYPLF	YYY	.220[5.59]	.470/11.94	30μ"/76μ GXT
50011-XX005	540	SEE SHEET 3	SEE SHEET 3	30μ"/76μ GXT
50011-XX005LF	540	SEE SHEET 3	SEE SHEET 3	30μ"/76μ GXT
50011-XX007	540	SEE SHEET 4	SEE SHEET 4	30μ"/76μ GXT
50011-XX007LF	540	SEE SHEET 4	SEE SHEET 4	30μ"/76μ GXT
50011-XX008	540	SEE SHEET 5	SEE SHEET 5	30μ"/76μ GXT
50011-XX008LF	540	SEE SHEET 5	SEE SHEET 5	30μ"/76μ GXT
50011-XX011	540	SEE SHEET 6	SEE SHEET 6	30μ"/76μ GXT
50011-XX011LF	540	SEE SHEET 6	SEE SHEET 6	30μ"/76μ GXT

mat'l. code SEE NOTE 3				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 	product family HPC
ltr	ec	no	dr	date	tolerances unless otherwise specified	INCH/MM scale 1:1 	title
K					angles linear .XX±.01/.3		4 ROW VERTICAL HEADER
					0'±2' .XXX±.005/.13 .XXX±.0020/.051		W/PRESS-FIT PINS, 2 G.P.
				dr	D.SHEAFFER 3/14/91		dwg no
				enr	S.CLARK 3/14/91		sheet 7 of 7 size
				chr	S.CLARK 3/14/91		50011 A3
				appd	S.CLARK 3/14/91		type Product Customer Drawing
sheet index	revision sheet						

form: A3