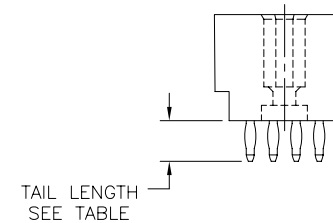
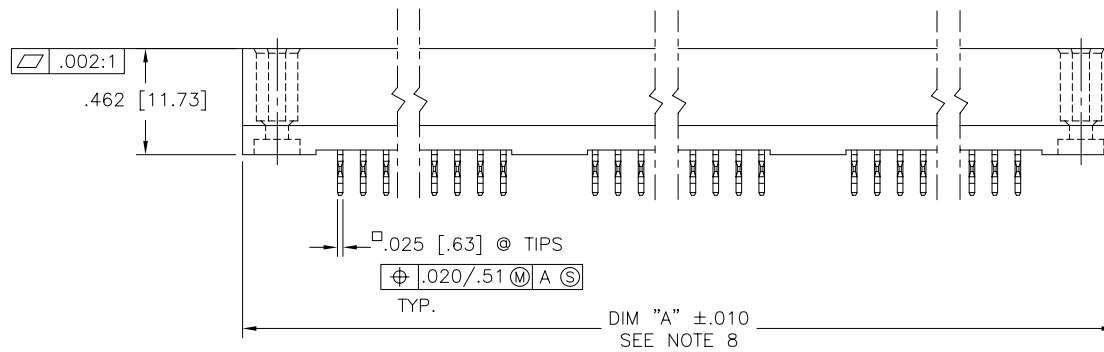
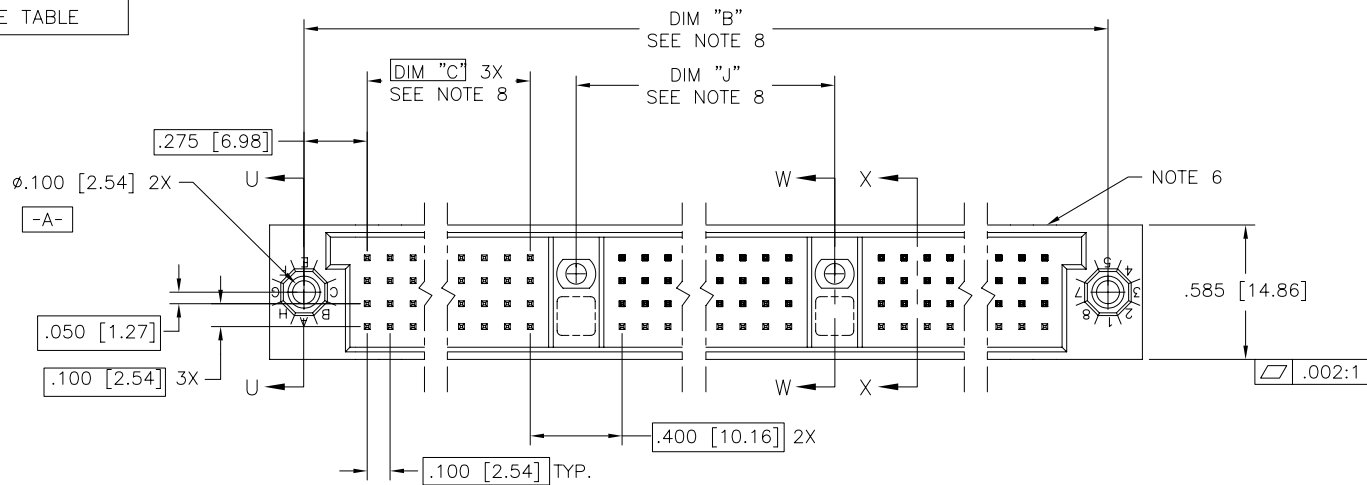




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PRODUCT NUMBER
SEE TABLE



mat'l. code SEE NOTE 3				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC			
ltr	ecm	no	dr	date	tolerances unless otherwise specified			title			
D	V40285	GIP	1/20/94		angles	linear	.XX±.01/.3	4 ROW VERTICAL HEADER			
E	V40941	PDP	6/1/94				.XXX±.005/.13	W/PRESS-FIT PINS, 2 G.P.			
F	V82253	HTB	12/29/98	0'±2'			.XXXX±.0020/.05	scale 1:1			
G	V00271	JWS	1/31/00	dr	D.SHEAFFER		3/14/91	FCI			
H	V05-0739	DAI	09/14/05	enr	S.CLARK		3/14/91	dwg no			
J	V05-1039	DAI	11/11/05	chr	S.CLARK		3/14/91	sheet 1 of 7 size			
K	M06-0283	MHT	7/27/06	appd	S.CLARK		3/14/91	A3			
sheet	revision	K	K	K	K	K	K	type			
index	sheet	1	2	3	4	5	6	Product Customer Drawing			

form: A3

1

2

3

4

5

6

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.

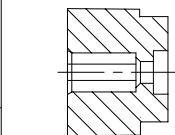
⑦ REFERENCE 50809 FOR F.M.L.B. AVAILABLE OPTIONS
AND WORKSHEET.

⑧ LENGTH FORMULAS:

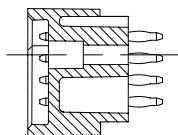
DIM "A" = $.100/2.54 \times \text{NO. OF COLUMNS} + 1.35/34.3$ DIM "B" = $.100/2.54 \times \text{NO. OF COLUMNS} + 1.050/26.67$ DIM "C" = $.100/2.54 \times \text{NO. OF COLUMNS DIVIDED BY 3} - .100/2.54$ DIM "J" = $.100/2.54 \times \text{NO. OF COLUMNS DIVIDED BY 3} + .300/7.62$

9. THIS PRODUCT (WITH "LF" SUFFIX) MEETS EUROPEAN UNION DIRECTIVES AND OTHER
COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

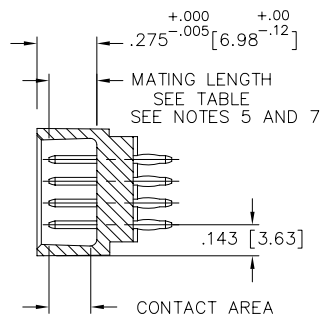
10. THIS HOUSING WILL WITHSTAND EXPOSURE TO 260° C PEAK TEMPERATURE
FOR 10-30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW
OVEN.



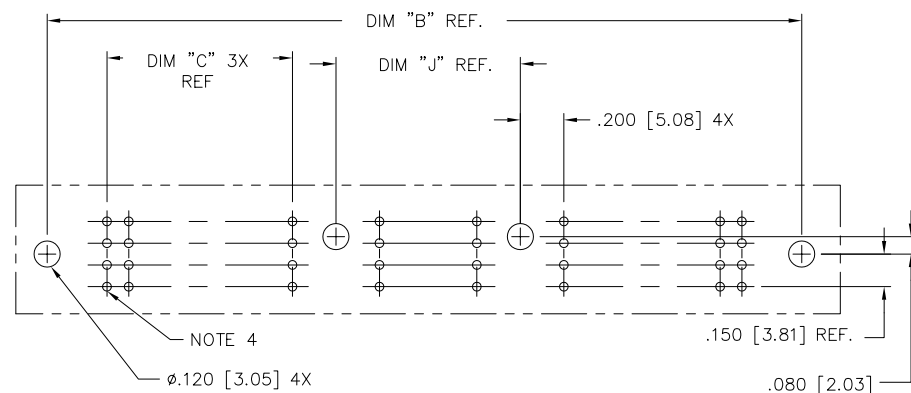
SECTION U-U



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					linear .XX±.01/.3	4 ROW VERTICAL HEADER
					linear .XXX±.005/.13	W/PRESS-FIT PINS, 2 G.P.
					linear .XXX±.0020/.05	
			dr	D.SHEAFFER	3/14/91	dwg no
			enr	S.CLARK	3/14/91	sheet 2 of 7
			chr	S.CLARK	3/14/91	size
			appd	S.CLARK	3/14/91	A3
sheet	revision					type
index	sheet					Product Customer Drawing



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PRODUCT NUMBER
SEE TABLE

SELECT LOAD (50011-XX005 AND 50011-XX005LF ONLY)

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

	1	46	50	55	60	65	70	75	80	85	90	GUIDE
						B	B					
						B	B					
						B	B					
						B	B					

	91	95	100	105	110	115	120	125	130	135	
					B	B	B				
					B	B	B				
					B	B	B				
					B	B	B				

SPECIAL NOTES FOR -XX005 AND -XX005LF 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-XX005 AND 50011-XX005LF:
SIZE 4 X 135
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

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 angular .XXX±.005/.13 0°±2' .XXX±.0020/.051	title 4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 2 G.P.
			scale 1:1	dwg no 50011
		dr D.SHEAFFER 3/14/91		sheet 3 of 7 size A3
		enr S.CLARK 3/14/91		type Product Customer Drawing
		chr S.CLARK 3/14/91		
		appd S.CLARK 3/14/91		
sheet index	revision sheet			

form: A3

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	GUIDE
PIN 1											
	46	50	55	60	65	70	75	80	85	90	GUIDE
	91	95	100	105	110	115	120	125	130	135	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		
			app S.CLARK 3/14/91		
sheet index	revision sheet				type Product Customer Drawing

$$\frac{D}{\frac{C}{\frac{B}{A}}}$$

	1	5	10	15	20	25	30	35	40	45	G						
X									x	x	x	x	x	x	x	x	U
									x	x	x	x	x	x	x	x	I
									x	x	x	x	x	x	x	x	D
									x	x	x	x	x	x	x	x	E

PIN

1

5	G
X	U
X	I
X	D
X	E

46				50				55				60				65				70				75				80				85				G U I D E		
X	X	X	X	X	X	X	X	X							B															X	X	X	X	X	X		X	X
X	X	X	X	X	X	X	X	X																						X	X	X	X	X	X		X	X
X	X	X	X	X	X	X	X	X																						X	X	X	X	X	X		X	X
X	X	X	X	X	X	X	X	X																						X	X	X	X	X	X	X	X	

	G
X	U
X	I
X	D
X	F

[illegible]

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	
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	ecn	no	dr	date	title
K					4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 2 G.P.
					dwg no
					sheet 6 of 7
					size 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		title	
K						linear .XX±.01/.3		4 ROW VERTICAL HEADER	
						linear .XXX±.005/.13		W/PRESS-FIT PINS, 2 G.P.	
				0'±2'		linear .XXX±.0020/.051		scale 1:1	
				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