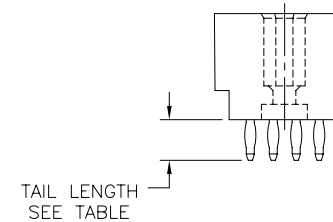
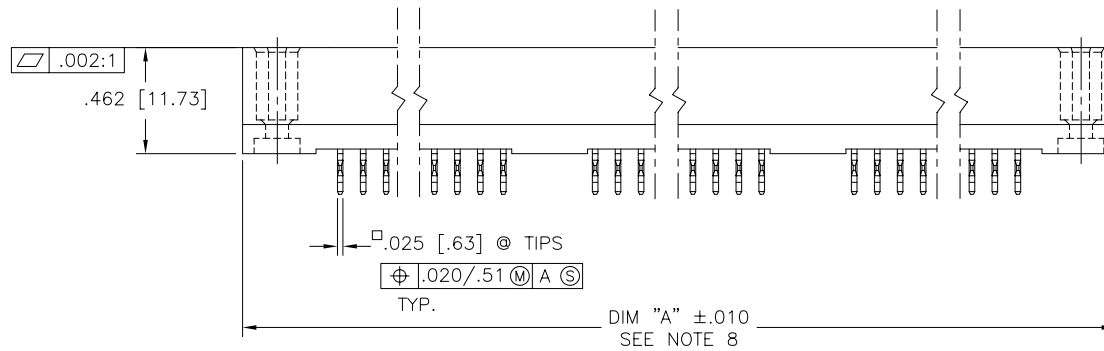
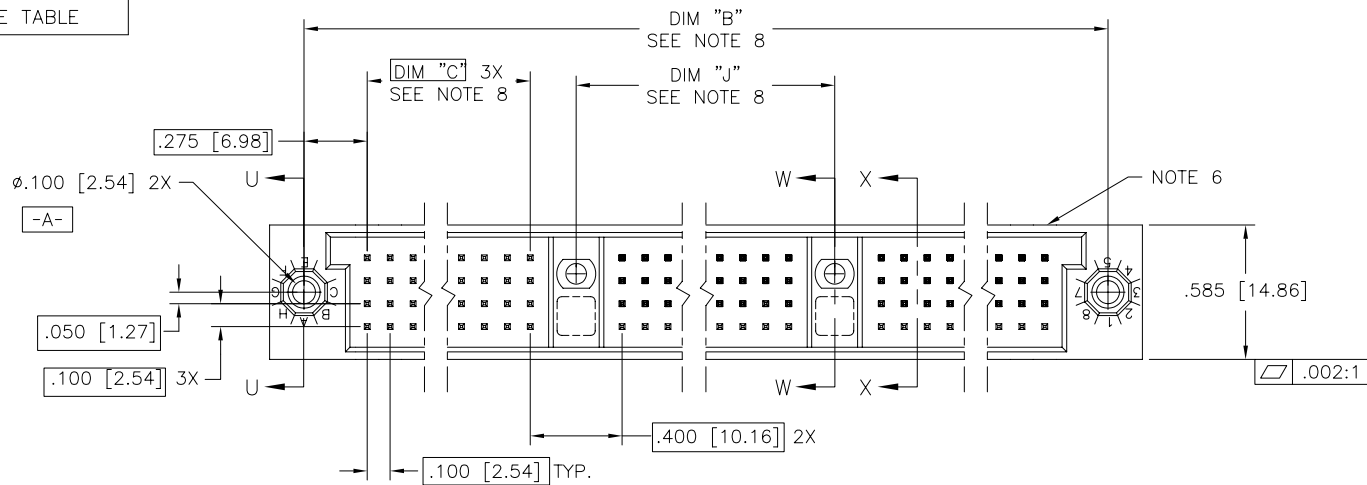




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PRODUCT NUMBER
SEE TABLE



mat'l. code SEE NOTE 3				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101			product family HPC	
ltr	ecm no	dr	date	tolerances unless otherwise specified					title	
D	V40285	GIP	1/20/94	angles	linear	.XX±.01/.3		INCH/MM		4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 2 G.P.
E	V40941	PDP	6/1/94			.XXX±.005/.13				
F	V82253	HTB	12/29/98	0'±2"	.XXX±.0020/.05		scale 1:1		dwg no 50011	sheet 1 of 7 size A3
G	V00271	JWS	1/31/00	dr	D.SHEAFFER	3/14/91				
H	V05-0739	DAI	09/14/05	enr	S.CLARK	3/14/91				
J	V05-1039	DAI	11/11/05	chr	S.CLARK	3/14/91				
K	M06-0283	MHT	7/27/06	appd	S.CLARK	3/14/91				
sheet	revision	K	K	K	K	K	K			
index	sheet	1	2	3	4	5	6	7		

form: A3

PDM: Rev:K

STATUS: Released

Printed: May 13, 2011

1

2 3

4

5

6

PRODUCT NUMBER

SEE TABLE

NOTES:

1. PRODUCT NUMBERING CODE:

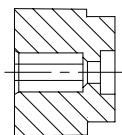
50011 - X YYY Z LF

LEAD FREE (OPTIONAL)
TAIL LENGTH (SEE TABLE)
NO. OF POSITIONS (SEE NOTE 2)
PLATING (SEE TABLE)
BASE NUMBER

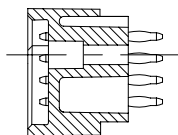
PRODUCT NUMBERING CODE FOR
SELECT LOAD PART NUMBERS:

50011 - XXYYY LF

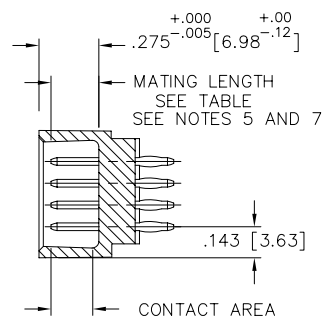
LEAD FREE (OPTIONAL)
SEQUENCE NUMBER
ALWAYS 'XX'
BASE NUMBER



SECTION U-U



SECTION W-W



SECTION X-X

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.



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D

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 K	ecm no	dr	date	title 4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 2 G.P.
				dwg no 50011
				sheet 2 of 7 size A3
				type Product Customer Drawing
sheet index	revision sheet			

form: A3

1

2

3

4

5

6



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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

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

Three horizontal bar charts showing the distribution of PINs for three different groups: D, C, B, and A. Each chart has a grid with columns numbered from 1 to 135. The first chart (D) shows a distribution peaking around column 10. The second chart (C) shows a distribution peaking around column 60. The third chart (B) shows a distribution peaking around column 110. The fourth chart (A) shows a distribution peaking around column 130.

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 ecn no dr date				tolerances unless otherwise specified						title			
K				angles		linear		INCH/MM		4 ROW VERTICAL HEADER			
						.XX±.01/.3				W/PRESS-FIT PINS, 2 G.P.			
						.XXX±.005/.13							
				0'±2'		.XXXX±.0020/.05		scale 1:1		dwg no sheet 4 of 7 size			
				dr		D.SHEAFFER 3/14/91				50011 A3			
				enrg		S.CLARK 3/14/91							
				chr		S.CLARK 3/14/91							
				appd		S.CLARK 3/14/91				type Product Customer Drawing			
sheet index		revision sheet											

$$\frac{D}{\frac{C}{\frac{B}{A}}}$$
[illegible]

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

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				 INCH/MM scale 1:1		title 4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 2 G.P.			
K				angles		linear							
						.XX±.01/.3							
						.XXX±.005/.13							
				0'±2'		.XXXX±.0020/.051							
				dr		D.SHEAFFER		3/14/91		dwg no 50011 sheet5 of 7 size A3			
				engr		S.CLARK		3/14/91					
				chr		S.CLARK		3/14/91					
				appd		S.CLARK		3/14/91					
sheet index		revision sheet											

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	
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 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					angles linear .XX±.01/.3	4 ROW VERTICAL HEADER
					0'±2' .XXX±.005/.13	W/PRESS-FIT PINS, 2 G.P.
					.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