

PRODUCT NUMBER

SEE TABLE

1

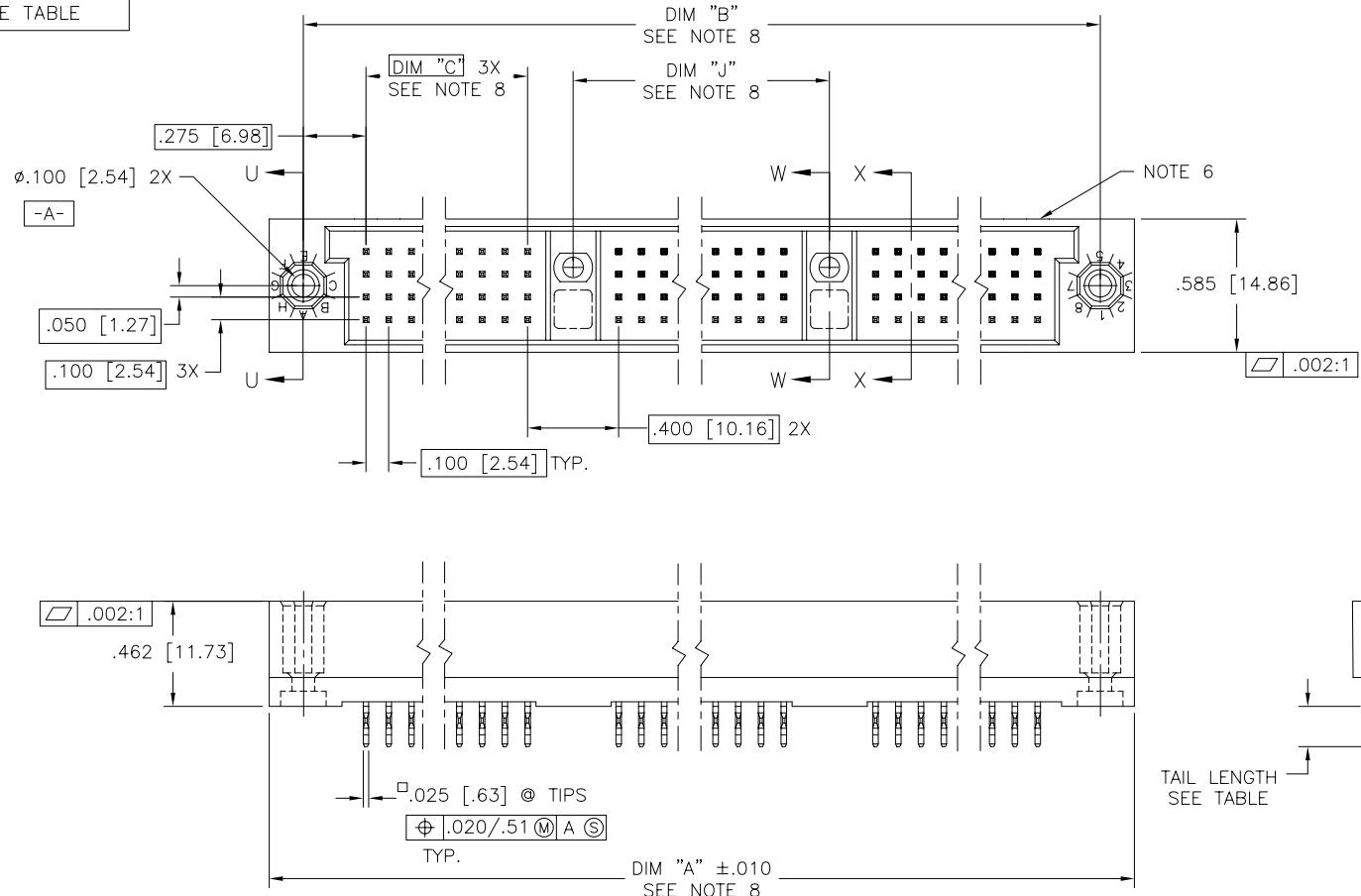
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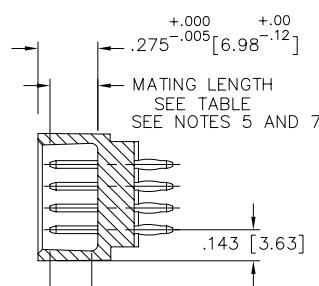
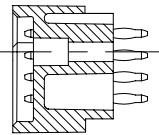
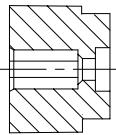
5

6



mat'l. code SEE NOTE 3			surface ISO 1302		tolerance ISO 406 ISO 1101	projection	product family
Itr	ecn no	dr	date	tolerances unless otherwise specified			
D	V40285	GIP	1/20/94	angles	.XX±.01/.3	INCH/MM	
E	V40941	PDP	6/1/94	linear	.XXX±.005/.13		
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	
H	V05-0739	DAI	09/14/05	engr	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	
index		sheet	1	2	3	4	
			5	6	7		

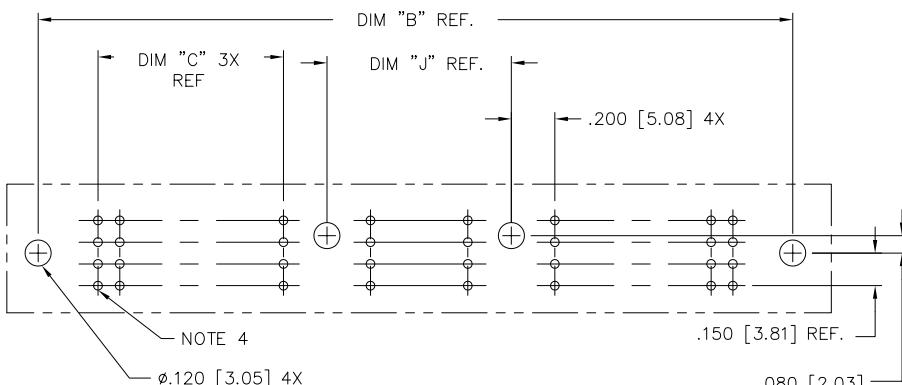
PRODUCT NUMBER
SEE TABLE



SECTION U-U

SECTION W-W

SECTION X-X



RECOMMENDED PCB LAYOUT
(ALL HOLES LOCATED ON .100/2.54 GRID
UNLESS OTHERWISE SPECIFIED)

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 - XXXXX 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.

mat'l. code SEE NOTE 3				surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family HPC
Itr	ecn no	dr	date	tolerances unless otherwise specified			title
K				angles	.XX±.01/.3	INCH/MM	4 ROW VERTICAL HEADER W/PRESS-FIT PINS, 2 G.P.
				linear	.XXX±.005/.13		
				$0^\circ\pm2^\circ$.XXXX±.0020/.05	scale 1:1	
		dr	D.SHEAFFER 3/14/91				
		engr	S.CLARK 3/14/91				
		chr	S.CLARK 3/14/91				
		appd	S.CLARK 3/14/91				
sheet		revision					
index		sheet					

PRODUCT NUMBER
SEE TABLE

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

1	5	10	15	20	25	30	35	40	45	D	C	B	A	GUIDE
B														
B	B	B	B	B	B	B	B	B	B					
B	B	B	B	B	B	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	D	C	B	A	GUIDE
				B	B									
				B	B									
				B	B									
				B	B									
91	95	100	105	110	115	120	125	130	135	D	C	B	A	B
			B	B	B									
			B	B	B									
			B	B	B	B	B	B	B					
			B	B	B	B	B	B	B					
			B	B	B	B	B	B	B					
			B	B	B	B	B	B	B					

SPECIAL NOTES FOR -XX005 AND -XX005LF ONLY:

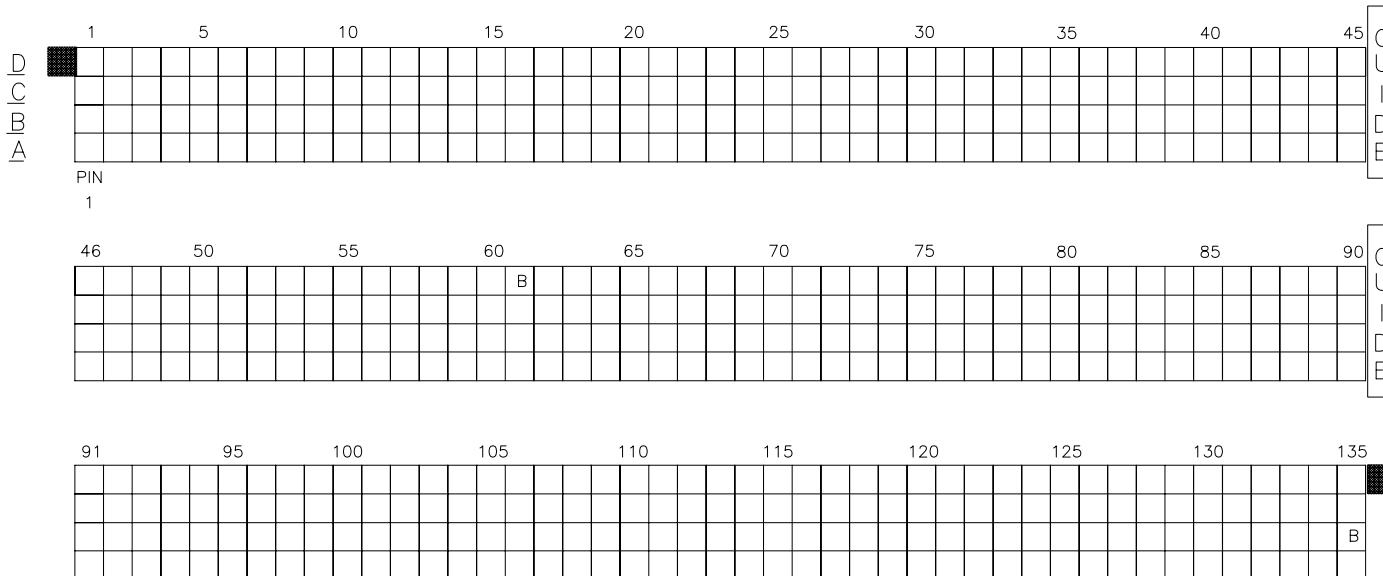
1. ALL POSITIONS ARE LOADED WITH "A", EXCEPT AS SHOWN.
2. COLUMN 1 ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE.
3. SIGNAL DATA FOR 50011-XX005 AND 50011-XX005LF:
SIZE 4 X 135
TOTAL NO. OF POSITIONS - 540
NO. OF POSITIONS LOADED - 540

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
Itr	ecn	no	dr	date	tolerances unless otherwise specified			
K					angles	XX±.01/.3	INCH/MM	
					linear	XXX±.005/.13		
					0°±2°	XXXX±.0020/.05	scale 1:1	
					dr	D.SHEAFFER 3/14/91		
					engr	S.CLARK 3/14/91		
					chr	S.CLARK 3/14/91		
					appd	S.CLARK 3/14/91		
					sheet	revision		
					index	sheet		

PRODUCT NUMBER
SEE TABLE

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



SPECIAL NOTES FOR -XX007 AND -XX007LF ONLY:

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.
 3. 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/.508	.177/4.50
B	2	.240/.610	.177/4.50

1

2 | 3

4

10

6

PRODUCT NUMBER
SEE TABLE

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

SPECIAL NOTE FOR -XX008 AND -XX008LF ONLY:

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.
 3. SIGNAL DATA FOR 50011-XX008 AND 50011-XX008LF:
SIZE 4 X 135
TOTAL NO. OF POSITIONS - 540
NO. OF POSITIONS LOADED - 412

ITEM KEY	QTY.	MATING LENGTH	TAIL LENGTH
A	410	.200/.508	.177/.450
B	2	.240/.610	.177/.450
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			
K			angles	linear XXX±.005/.13	INCH/MM	4 ROW VERTICAL HEADER
			0°±2°	XXXX±.0020/.05	scale 1:1	W/PRESS-FIT PINS, 2 G.P.
		dr	D.SHEAFFER	3/14/91	dwg no sheet 5 of 7 size	
		engr	S.CLARK	3/14/91	50011 A3	
		chr	S.CLARK	3/14/91	type Product Customer Drawing	
sheet	revision					
index	sheet					

PRODUCT NUMBER
SEE TABLE

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

D	1	5	10	15	20	25	30	35	40	45	G
C		B		B		B		B		B	U
B		B	B		B	B		B	B		I
A		B	B		B	B		B	B		D
											E

1

46	50	55	60	65	70	75	80	85	90	G
	B		B		B		B		B	U
	B		B		B		B		B	I
	B	B		B	B		B	B		D
	B	B		B	B		B	B		E

91	95	100	105	110	115	120	125	130	135	B

SPECIAL NOTES FOR -XX011 AND -XX011LF ONLY:

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.
3. 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	tolerance	projection	product family
Itr	ecn	no	dr	date	tolerances unless otherwise specified		
K					angles	.XX±.01/.3	INCH/MM
					linear	.XXX±.005/.13	
					0°±2°	.XXXX±.0020/.05	scale 1:1
					dr	D.SHEAFFER 3/14/91	
					engr	S.CLARK 3/14/91	
					chr	S.CLARK 3/14/91	
					appd	S.CLARK 3/14/91	
					sheet	revision	
					index	sheet	

PRODUCT NUMBER	NUMBER OF POSTIONS SEE NOTE 2	MATING LENGTH	TAIL LENGTH ±.015/.038	TERMINAL PLATING	
50011-1YYYA	YYY	.220[5.59]	.177/4.50	30 μ "/76 μ GOLD	
50011-1YYYC	YYY		.533/13.54	30 μ "/76 μ GOLD	
50011-1YYYD	YYY		.733/18.62	30 μ "/76 μ GOLD	
50011-1YYYG	YYY		.250/6.35	30 μ "/76 μ GOLD	
50011-1YYYL	YYY		.188/4.78	30 μ "/76 μ GOLD	
50011-1YYYP	YYY		.470/11.94	30 μ "/76 μ GOLD	
50011-3YYYA	YYY		.177/4.50	50 μ "/1.27 μ GOLD	
50011-3YYYC	YYY		.533/13.54	50 μ "/1.27 μ GOLD	
50011-3YYYD	YYY		.733/18.62	50 μ "/1.27 μ GOLD	
50011-3YYYG	YYY		.250/6.35	50 μ "/1.27 μ GOLD	
50011-3YYYL	YYY		.188/4.78	50 μ "/1.27 μ GOLD	
50011-3YYYP	YYY		.470/11.94	50 μ "/1.27 μ GOLD	
50011-5YYYA	YYY		.177/4.50	30 μ "/76 μ GXT	
50011-5YYYALF	YYY		.177/4.50	30 μ "/76 μ GXT	
50011-5YYYC	YYY		.533/13.54	30 μ "/76 μ GXT	
50011-5YYYCLF	YYY		.533/13.54	30 μ "/76 μ GXT	
50011-5YYYD	YYY		.733/18.62	30 μ "/76 μ GXT	
50011-5YYYDLF	YYY		.733/18.62	30 μ "/76 μ GXT	
50011-5YYYG	YYY		.250/6.35	30 μ "/76 μ GXT	
50011-5YYYGLF	YYY		.250/6.35	30 μ "/76 μ GXT	
50011-5YYYL	YYY		.188/4.78	30 μ "/76 μ GXT	
50011-5YYYLLF	YYY		.188/4.78	30 μ "/76 μ GXT	
50011-5YYYP	YYY		.470/11.94	30 μ "/76 μ GXT	
50011-5YYYPLF	YYY	.220[5.59]	.470/11.94	30 μ "/76 μ GXT	
50011-XX005	540	SEE SHEET 3	SEE SHEET 3	30 μ "/76 μ GXT	
50011-XX005LF	540	SEE SHEET 3	SEE SHEET 3	30 μ "/76 μ GXT	
50011-XX007	540	SEE SHEET 4	SEE SHEET 4	30 μ "/76 μ GXT	
50011-XX007LF	540	SEE SHEET 4	SEE SHEET 4	30 μ "/76 μ GXT	
50011-XX008	540	SEE SHEET 5	SEE SHEET 5	30 μ "/76 μ GXT	
50011-XX008LF	540	SEE SHEET 5	SEE SHEET 5	30 μ "/76 μ GXT	
50011-XX011	540	SEE SHEET 6	SEE SHEET 6	30 μ "/76 μ GXT	
50011-XX011LF	540	SEE SHEET 6	SEE SHEET 6	30 μ "/76 μ GXT	

mat'l. code SEE NOTE 3				surface ISO 1302		tolerance ISO 406 ISO 1101	projection	product family
ltr	ecn no	dr	date	tolerances unless otherwise specified				HPC
K				angles		.XX±.01/.3	INCH/MM	
				linear		.XXX±.005/.13		
				0°±2°		.XXXX±.0020/.05	scale 1:1	
					dr	D.SHEAFFER 3/14/91		
					engr	S.CLARK 3/14/91		
					chr	S.CLARK 3/14/91		
					appd	S.CLARK 3/14/91		
				sheet	revision			
				index	sheet			

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4 ROW VERTICAL HEADER
W/PRESS-FIT PINS, 2 G.P.

dwg no sheet 7 of 7 size
50011 A3

type Product Customer Drawing

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

FCI:

[50011-5576ALF](#) [50011-XX008LF](#) [50011-XX011LF](#) [50011-5576A](#) [50011-5600A](#) [50011-XX008](#) [50011-XX011](#)