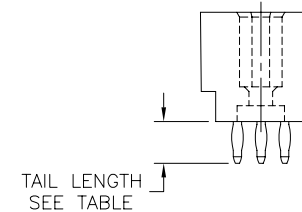
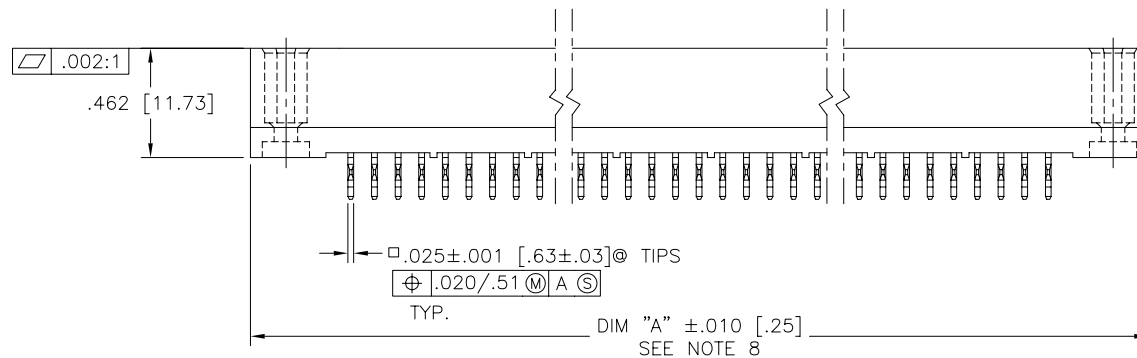
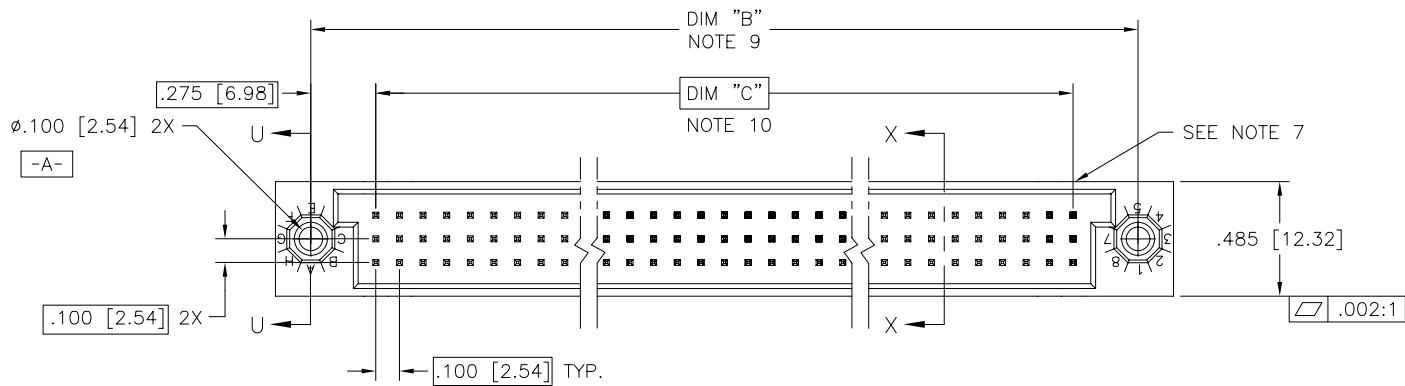




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PRODUCT NUMBER
SEE TABLE



mat'l. code SEE NOTE 3				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title
G	V82252	HTB	12/28/98		angles linear .XX±.01/.3	INCH/MM	3 ROW VERTICAL HEADER
H	V00271	JWS	1/31/00		0'±2' .XXX±.005/.13	scale 1:1	W/PRESS-FIT PINS, 0 G.P.
J	V05-0514	TAB	8/2/05		.XXX±.0020/.051		dwg no
K	V05-0999	DAI	10/28/05	dr	D.SHEAFER	3/14/91	sheet 1 of 14 size
L	V05-1039	DAI	11/11/05	engr	S.CLARK	3/14/91	50006 A3
M	M06-0283	MHT	7/27/06	chr	S.CLARK	3/14/91	type
N	M06-0490	MHT	12/13/06	appd	S.CLARK	3/14/91	Product Customer Drawing
sheet	revision	N	N	N	N	N	N
index	sheet	1	2	3	4	5	6

form: A3



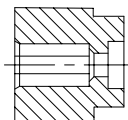
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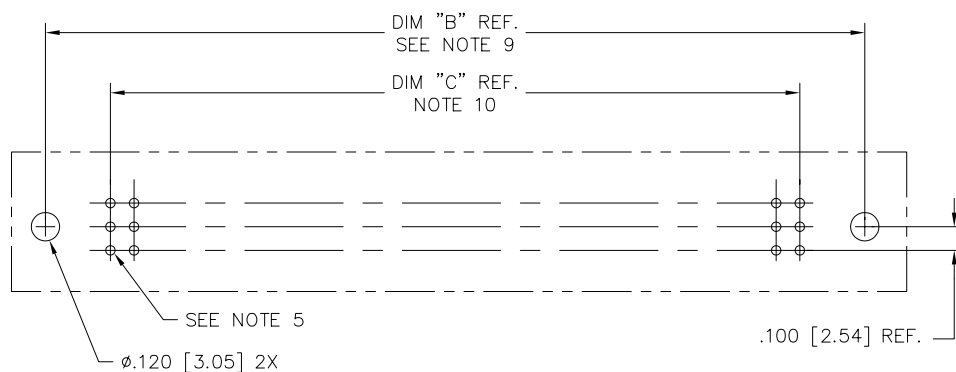
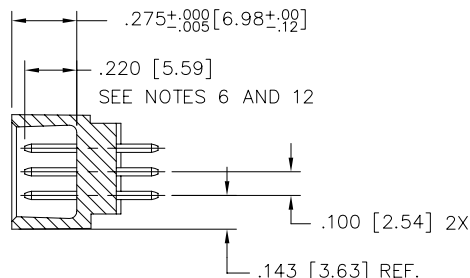
D

PRODUCT NUMBER
SEE TABLE

SECTION U-U



SECTION X-X



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

NOTES:

- ① PRODUCT NUMBERING CODE:
50006 - 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:
50006 - XX YYY 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 HIGH TEMP. THERMOPLASTIC. FLAME RETARDANT PER UL94V-0. COLOR: BLACK.
PIN MATERIAL: PHOS BRONZE
- ④ CONTACT PLATING OPTIONS:
SEE PRODUCT NUMBER TABLE
- ⑤ ϕ .0453/1.151 DRILLED HOLE PLATED WITH .0003/.007 MIN. SnPb OVER .001/.03 to .003/.08 Cu. PLATING TO ACHIEVE A ϕ .040±.003/1.02±.08 HOLE.
- ⑥ TO ASSURE PROPER INSTALLATION: TOOLING, AS SPECIFIED IN INSTRUCTION MANUAL 155915-001 MUST BE USED. PIN MATING LENGTH WILL BE ±.002/.05 AFTER INSTALLATION.
- ⑦ COMPANY NAME, PART NUMBER AND LOT CODE TO APPEAR ON THIS SURFACE PER BUS-12-108.
- ⑧ DIM "A" CALCULATION = $.100[2.54] \times \text{NO. OF COLUMNS} + .75[19.1]$
- ⑨ DIM "B" CALCULATION = $.100[2.54] \times \text{NO. OF COLUMNS} + .450[11.43]$
- ⑩ DIM "C" CALCULATION = $.100[2.54] \times \text{NO. OF COLUMNS} - .100[2.54]$
11. ALL POSITIONS ARE LOADED EXCEPT FOR -XXYY ASSEMBLIES WHICH HAVE SELECTIVE LOADING.
- ⑫ REFERENCE 50807 FOR F.M.L.B. AVAILABLE OPTIONS AND WORKSHEET.
13. THIS PRODUCT (WITH 'LF' SUFFIX) MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
14. 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 INCH/MM	product family HPC
ltr	ec	no	dr	date	tolerances unless otherwise specified	title
N					angles linear .XX±.01/.3	3 ROW VERTICAL HEADER
					0°±2' .XXX±.005/.13	W/PRESS-FIT PINS, 0 G.P.
					.XXX±.0020/.051	scale 1:1
			dr	D.SHEAFER	3/14/91	FCI
			enr	S.CLARK	3/14/91	
			chr	S.CLARK	3/14/91	
			appd	S.CLARK	3/14/91	
sheet index	revision sheet					dwg no 50006 sheet 2 of 14 size A3
						type Product Customer Drawing

form: A3



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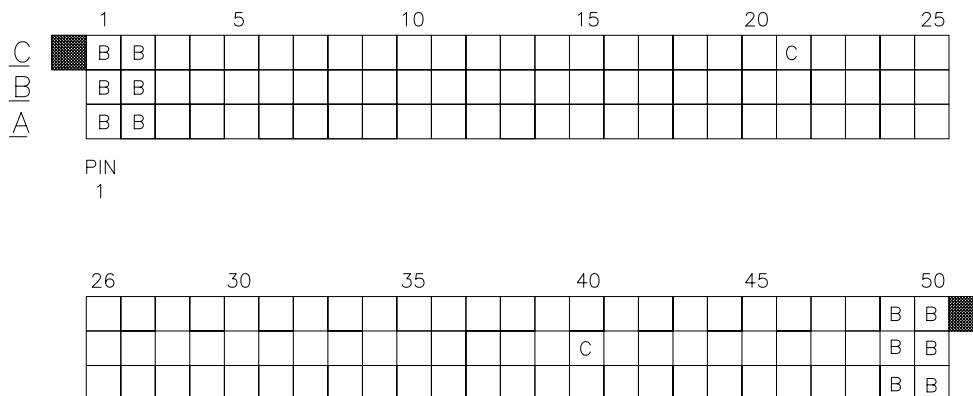
PRODUCT NO.	NUMBER OF POSITIONS NOTE 2	TAIL LENGTH ±.015/0.38	CONTACT PLATING
50006-1YYYA	YYY	.177/4.50	30u"/.76u GOLD
50006-1YYC	YYY	.533/13.54	30u"/.76u GOLD
50006-1YYD	YYY	.733/18.62	30u"/.76u GOLD
50006-1YYG	YYY	.250/6.35	30u"/.76u GOLD
50006-1YYL	YYY	.188/4.78	30u"/.76u GOLD
50006-1YYP	YYY	.470/11.94	30u"/.76u GOLD
50006-3YYYA	YYY	.177/4.50	50u"/1.27u GOLD
50006-3YYC	YYY	.533/13.54	50u"/1.27u GOLD
50006-3YYD	YYY	.733/18.62	50u"/1.27u GOLD
50006-3YYG	YYY	.250/6.35	50u"/1.27u GOLD
50006-3YYL	YYY	.188/4.78	50u"/1.27u GOLD
50006-3YYP	YYY	.470/11.94	50u"/1.27u GOLD
50006-5YYYA	YYY	.177/4.50	30u"/.76u GXT
50006-5YYALF	YYY	.177/4.50	30u"/.76u GXT
50006-5YYC	YYY	.533/13.54	30u"/.76u GXT
50006-5YYCLF	YYY	.533/13.54	30u"/.76u GXT
50006-5YYD	YYY	.733/18.62	30u"/.76u GXT
50006-5YYDLF	YYY	.733/18.62	30u"/.76u GXT
50006-5YYG	YYY	.250/6.35	30u"/.76u GXT
50006-5YYGLF	YYY	.250/6.35	30u"/.76u GXT
50006-5YYL	YYY	.188/4.78	30u"/.76u GXT
50006-5YYLLF	YYY	.188/4.78	30u"/.76u GXT
50006-5YYP	YYY	.470/11.94	30u"/.76u GXT
50006-5YYPLF	YYY	.470/11.94	30u"/.76u GXT
50006-XX010	150	SEE SHEET 4	30u"/.76u GXT
50006-XX010LF	150	SEE SHEET 4	30u"/.76u GXT
50006-XX025	18	SEE SHEET 5	30u"/.76u GXT
50006-XX025LF	18	SEE SHEET 5	30u"/.76u GXT
50006-XX027	96	SEE SHEET 6	30u"/.76u GOLD
50006-XX027LF	96	SEE SHEET 6	30u"/.76u GXT
50006-XX028	30	SEE SHEET 7	30u"/.76u GOLD
50006-XX028LF	30	SEE SHEET 7	30u"/.76u GXT
50006-XX045	180	SEE SHEET 8	30u"/.76u GXT
50006-XX045LF	180	SEE SHEET 8	30u"/.76u GXT
50006-XX049	96	SEE SHEET 9	30u"/.76u GOLD
50006-XX049LF	96	SEE SHEET 9	30u"/.76u GXT
50006-XX053	150	SEE SHEET 10	30u"/.76u GXT
50006-XX053LF	150	SEE SHEET 10	30u"/.76u GXT
50006-XX054	150	SEE SHEET 11	30u"/.76u GOLD
50006-XX054LF	150	SEE SHEET 11	30u"/.76u GXT
50006-XX055	30	SEE SHEET 12	30u"/.76u GOLD
50006-XX055LF	30	SEE SHEET 12	30u"/.76u GXT
50006-XX056	150	SEE SHEET 13	30u"/.76u GOLD
50006-XX056LF	150	SEE SHEET 13	30u"/.76u GXT
50006-XX057	150	SEE SHEET 14	30u"/.76u GOLD
50006-XX057LF	150	SEE SHEET 14	30u"/.76u 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	 scale 1:1	title
N					angles linear .XX±.01/.3		3 ROW VERTICAL HEADER
					0'±2' .XXX±.005/.13		W/PRESS-FIT PINS, 0 G.P.
					.XXXX±.0020/.051		dwg no sheet3 of14size
				dr	D.SHEAFER 3/14/91		50006 A3
				enr	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						

form: A3

PRODUCT NUMBER
50006-XX010
50006-XX010LF

FOR PRODUCT NUMBERS 50006-XX010 AND 50006-XX010LF ONLY



NOTES FOR 50006-XX010 AND 50006-XX010LF ONLY:

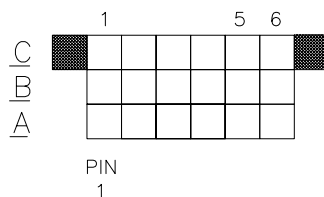
- ALL POSITIONS ARE LOADED WITH "A" EXCEPT AS SHOWN.
- COLUMN 1, ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE.
- SIGNAL DATA FOR 50006-XX010 AND 50006-XX010LF:
SIZE 3 x 50
TOTAL NO. OF POSITIONS - 150
NO. OF POSITIONS LOADED - 150

ITEM KEY	QTY.	MATING LENGTH	TAIL LENGTH
A	136	.200 / 5.08	.177 / 4.50
B	12	.200 / 5.08	.533 / 13.54
C	2	.240 / 6.10	.177 / 4.50

mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC
ltr	ecr	no	dr	date	tolerances unless otherwise specified		title
N					linear .XX±.01/.3	scale 1:1	3 ROW VERTICAL HEADER
					linear .XXX±.005/.13		W/PRESS-FIT PINS, 0 G.P.
					linear .XXX±.0020/.05		dwg no
							sheet 4 of 14
					dr D.SHEAFER 3/14/91		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

PRODUCT NUMBER
50006-XX025
50006-XX025LF

FOR PRODUCT NUMBERS 50006-XX025 AND 50006-XX025LF ONLY



CUSTOMER NOTE: END GUIDE PINS ARE SUGGESTED IN YOUR APPLICATION TO PREVENT STUBBING OF THE .260/6.60 MATING LENGTH SIGNAL PINS.

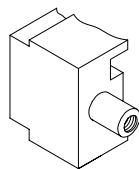
NOTES FOR 50006-XX025 AND 50006-XX025LF ONLY:

1. ALL POSITIONS ARE LOADED WITH "A" .
2. COLUMN 1, ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE.
3. SIGNAL DATA FOR 50006-XX025 AND 50006-XX025LF:
SIZE 3 x 6
TOTAL NO. OF POSITIONS - 18
NO. OF POSITIONS LOADED - 18

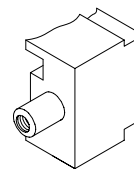
ITEM KEY	QTY.	MATING LENGTH	TAIL LENGTH
A	18	.260 / 6.60	.533 / 13.54

mat'l. code				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
N					angles linear .XX±.01/.3		3 ROW VERTICAL HEADER
					0'±2' .XXX±.005/.13 .XXX±.0020/.051		W/PRESS-FIT PINS, 0 G.P.
				dr	D.SHEAFER 3/14/91		dwg no
				enr	S.CLARK 3/14/91		sheet5 of14size
				chr	S.CLARK 3/14/91		50006 A3
				appd	S.CLARK 3/14/91		type Product Customer Drawing
sheet index	revision sheet						

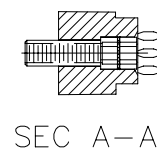
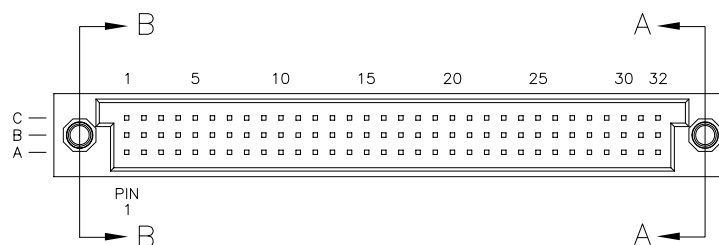
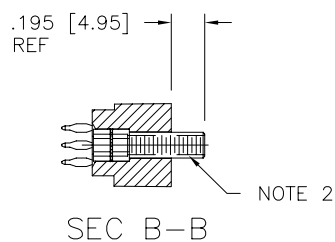
PRODUCT NUMBER
50006-XX027
50006-XX027LF



L.E.



R.E.



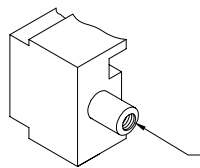
FOR PRODUCT NUMBERS 50006-XX027 AND 50006-XX027LF

NOTES:

1. IDENTICAL TO P/N 50006-1096A EXCEPT AS SHOWN W/JACK SCREW INSERTS INSTALLED ON BOTH ENDS.
2. HARDWARE P/N 95729-001.

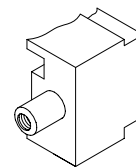
mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title
N					angles linear .XX±.01/.3		3 ROW VERTICAL HEADER
					0'±2' .XXX±.005/.13		W/PRESS-FIT PINS, 0 G.P.
					.XXX±.0020/.051		scale 1:1
			dr	D.SHEAFER	3/14/91		dwg no
			enr	S.CLARK	3/14/91		sheet 6 of 14
			chr	S.CLARK	3/14/91		size A3
			appd	S.CLARK	3/14/91		type Product Customer Drawing
sheet index	revision sheet						

PRODUCT NUMBER
50006-XX028
50006-XX028LF

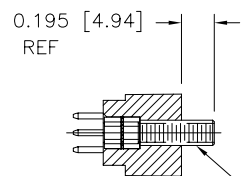


#4-40 UNC-2B THREAD

L.E.

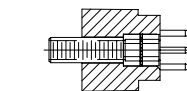
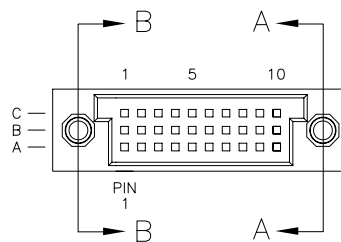


R.E.



SEC B-B

NOTE 2



SEC A-A

FOR PRODUCT NUMBERS 50006-XX028 AND 50006-XX028LF

NOTES:

1. IDENTICAL TO P/N 50006-1030A EXCEPT AS SHOWN W/JACK SCREW INSERTS INSTALLED ON BOTH ENDS.
2. HARDWARE P/N 95729-001.

mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family HPC			
ltr	ecn no	dr	date	tolerances unless otherwise specified						title			
N				angles	linear	.XX±.01/.3 .xxx±.005/.13 0'±2' .xxx±.0020/.05		INCH/MM		3 ROW VERTICAL HEADER			
								scale 1:1		W/PRESS-FIT PINS, 0 G.P.			
				dr	D.SHEAFER		3/14/91			dwg no		sheet 7 of 14	size
				engr	S.CLARK		3/14/91			50006		A.	
				chr	S.CLARK		3/14/91						
				appd	S.CLARK		3/14/91						
sheet index		revision sheet											

Diagram of a 1D lattice with 10 sites. Sites 1, 2, 4, and 5 are occupied by particles. Site 3 is the central site, marked with a thick vertical line. Site 6 is the site immediately to the right of the center.

	1	5	10	15	20	25	30
C							
B							
A							

1

A

B

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C

D

1. ALL POSITIONS ARE LOADED WITH "A".
2. COLUMN 1, ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE.
3. SIGNAL DATA FOR 50006-XX045 AND 50006-XX045LF:
SIZE 3 x 60
TOTAL NO. OF POSITIONS - 180
NO. OF POSITIONS LOADED - 180

mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family HPC			
ltr	ecn	no	dr	date		tolerances unless otherwise specified				title			
N						angles	linear	.XX±.01/.3 .XXX±.005/.13 0'±2'		INCH/MM scale 1:1		3 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.	
						dr	D.SHEAFER	3/14/91				dwg no	
						enrg	S.CLARK	3/14/91				sheet 8 of 14	
						chr	S.CLARK	3/14/91				50006	
						appd	S.CLARK	3/14/91				A.	
sheet index		revision sheet										type Product Customer Drawing	

PRODUCT NUMBER
50006-XX049
50006-XX049LF

FOR PRODUCT NUMBER 50006-XX049 AND 50006-XX049LF ONLY

	1		5		10		15		20		25		30		32
C	B		B		B		B		B		B		B		B
B	B		B		B		B		B		B		B		B
A	B		B		B		B		B		B		B		B

PIN
1

CUSTOMER NOTE: END GUIDE PINS ARE SUGGESTED IN YOUR APPLICATION TO
PREVENT STUBBING OF THE .260/6.60 MATING LENGTH SIGNAL PINS.

NOTES FOR 50006-XX049 AND 50006-XX049LF 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 50006-XX049 AND 50006-XX049LF:
SIZE 3 x 32
TOTAL NO. OF POSITIONS - 96
NO. OF POSITIONS LOADED - 96

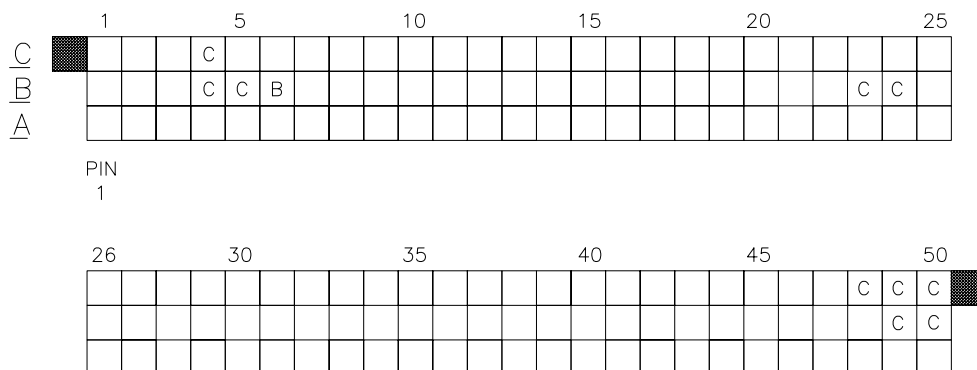
ITEM KEY	QTY.	MATING LENGTH	TAIL LENGTH
A	62	.220 / 5.59	.177 / 4.50
B	33	.260 / 6.60	.177 / 4.50
C	1	.180 / 4.57	.177 / 4.50

mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection 	product family HPC
ltr	ecn	no	dr	date	tolerances unless otherwise specified	INCH/MM	title
N					angles linear .XX±.01/.3	scale 1:1	3 ROW VERTICAL HEADER
					0'±2' .XXX±.005/.13		W/PRESS-FIT PINS, 0 G.P.
					.XXX±.0020/.051		dwg no
			dr	D.SHEAFER	3/14/91		sheet 9 of 14
			enr	S.CLARK	3/14/91		size
			chr	S.CLARK	3/14/91		A3
			appd	S.CLARK	3/14/91		type
sheet	revision						Product Customer Drawing
index	sheet						

form: A3

PRODUCT NUMBER
50006-XX053
50006-XX053LF

FOR PRODUCT NUMBERS 50006-XX053 AND 50006-XX053LF ONLY



CUSTOMER NOTE: END GUIDE PINS ARE SUGGESTED IN YOUR APPLICATION TO PREVENT STUBBING OF THE .260 MATING LENGTH SIGNAL PINS.

- 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 50006-XX053 AND 50006-XX053LF:
SIZE 3 x 50
TOTAL NO. OF POSITIONS - 150
NO. OF POSITIONS LOADED - 150

ITEM KEY	QTY.	MATING LENGTH	TAIL LENGTH
A	139	.220 / 5.59	.250 / 6.35
B	1	.180 / 4.57	.250 / 6.35
C	10	.260 / 6.60	.250 / 6.35

mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family HPC
ltr	ecr	no	dr	date	tolerances unless otherwise specified	INCH/MM	title
N					angles linear .XX±.01/.3 .XXX±.005/.13 .XXXX±.0020/.05	scale 1:1	3 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.
					dr D.SHEAFER 3/14/91		dwg no sheet 0 of 14 size
					enr S.CLARK 3/14/91		50006 A3
					chr S.CLARK 3/14/91		type Product Customer Drawing
					appd S.CLARK 3/14/91		
sheet index	revision sheet						

A number line from 1 to 6. The line is divided into 10 equal segments by vertical grid lines. The first segment is labeled '1', the second '2', and the third '3'. A thick vertical line is drawn between the 5th and 6th segments. The 6th segment is labeled '4', the 7th '5', and the 8th '6'.

[illegible][illegible]

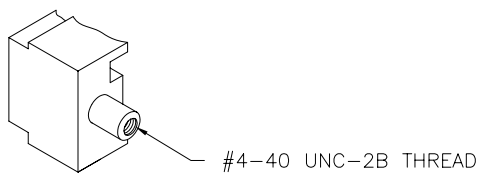
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C

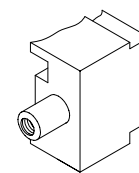
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form: A3

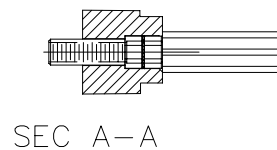
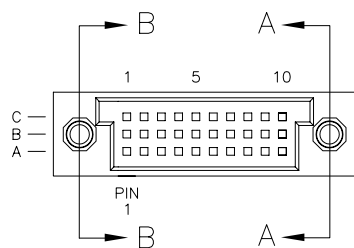
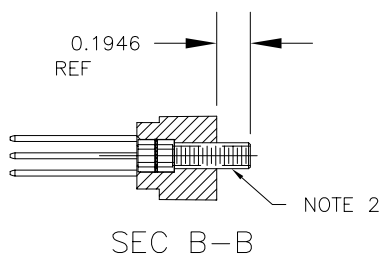
PRODUCT NUMBER
50006-XX055
50006-XX055LF



L.E.



R.E.



FOR PRODUCT NUMBERS 50006-XX055 AND 50006-XX055LF

NOTES:

1. IDENTICAL TO P/N 50006-1030D EXCEPT AS SHOWN W/JACK SCREW INSERTS INSTALLED ON BOTH ENDS.
2. HARDWARE P/N 95729-001.

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

FOR PRODUCT NUMBER 50006-XX056 AND 50006-XX056LF ONLY

PIN
1

CUSTOMER NOTE: END GUIDE PINS ARE SUGGESTED IN YOUR APPLICATION TO PREVENT STUBBING OF THE .260 MATING LENGTH SIGNAL PINS.

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 50006-XX056 AND 50006-XX056LF:
SIZE 3 x 50
TOTAL NO. OF POSITIONS - 150
NO. OF POSITIONS LOADED - 150

mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family HPC			
ltr	ecn	no	dr	date		tolerances unless otherwise specified				title			
N						angles	linear	.XX±.01/.3		INCH/MM 		3 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.	
								.XXX±.005/.13					
						0'±2'		.XXXX±.0020/.05					
			dr	D.SHEAFER		3/14/91				dwg no			
			enrg	S.CLARK		3/14/91				sheet 3 of 14			
			chr	S.CLARK		3/14/91				50006			
			appd	S.CLARK		3/14/91				A.			
sheet index		revision sheet										type Product Customer Drawing	

[illegible]

PIN

1

26				30				35				40				45				50				
																							C	
	D			D																			C	C
D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D									

NOTES FOR 50006-XX057 AND 50006-XX057LF 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 50006-XX057 AND 50006-XX057LF:
SIZE 3 x 50
TOTAL NO. OF POSITIONS - 150
NO. OF POSITIONS LOADED - 150

ITEM KEY	QTY.	MATING LENGTH	TAIL LENGTH
A	101	.220 / 5.59	.561 / 14.25
B	1	.180 / 4.57	.521 / 13.23
C	8	.260 / 6.60	.601 / 15.27
D	40	.220 / 5.59	.177 / 4.50

[illegible]