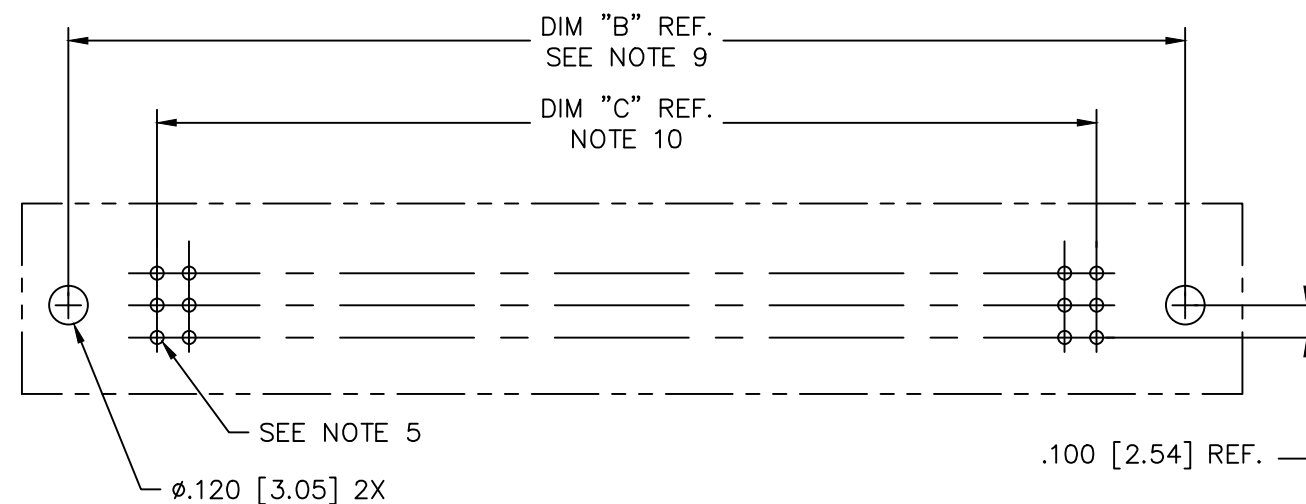


PRODUCT NUMBER
SEE TABLE

SECTION U-U

SECTION X-X



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

NOTES:

- 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
- THIS PRODUCT IS CONFIGURED IN SIZES OF 6 thru 80 COLUMNS IN INCREMENTS OF ONE.
i.e.: 6,7,8,9,.....79,80.
- HOUSING MATERIAL: GLASS AND MINERAL FILLED HIGH TEMP. THERMOPLASTIC. FLAME RETARDANT PER UL94V-0. COLOR: BLACK.
PIN MATERIAL: PHOS BRONZE
- CONTACT PLATING OPTIONS:
SEE PRODUCT NUMBER TABLE
- Ø.0453/1.151 DRILLED HOLE PLATED WITH .0003/.007 MIN. SnPb OVER .001/.03 to .003/.08 Cu. PLATING TO ACHIEVE A Ø.040±.003/1.02±.08 HOLE.
- TO ASSURE PROPER INSTALLATION: TOOLING, AS SPECIFIED IN INSTRUCTION MANUAL 155915-001 MUST BE USED. PIN MATING LENGTH WILL BE ±.002/.05 AFTER INSTALLATION.
- COMPANY NAME, PART NUMBER AND LOT CODE TO APPEAR ON THIS SURFACE PER BUS-12-108.
- DIM "A" CALCULATION = .100[2.54] x NO. OF COLUMNS + .75[19.1]
- DIM "B" CALCULATION = .100[2.54] x NO. OF COLUMNS + .450[11.43]
- DIM "C" CALCULATION = .100[2.54] x NO. OF COLUMNS - .100[2.54]
- ALL POSITIONS ARE LOADED EXCEPT FOR -XXYYY ASSEMBLIES WHICH HAVE SELECTIVE LOADING.
- REFERENCE 50807 FOR F.M.L.B. AVAILABLE OPTIONS AND WORKSHEET.
- THIS PRODUCT (WITH 'LF' SUFFIX) MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- 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	ecn no	dr	date	tolerances unless otherwise specified		scale 1:1 FCI	title 3 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.
P				angles	linear		dwg no 50006 sheet 2 of 16 size A3
				0°±2°	.XX±.01/.3 .XXX±.005/.13 .XXXX±.0020/.051		
				dr	D.SHEAFER 1991-03-14		
				enr	S.CLARK 1991-03-14		
				chr	S ALOSIOUS 2011-05-23		
				appd	BIJU K PAUL 2011-05-23		
sheet index	revision sheet						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
50006-1YYYC	YYY	.533/13.54	30u"/.76u GOLD
50006-1YYYD	YYY	.733/18.62	30u"/.76u GOLD
50006-1YYYG	YYY	.250/6.35	30u"/.76u GOLD
50006-1YYYL	YYY	.188/4.78	30u"/.76u GOLD
50006-1YYYP	YYY	.470/11.94	30u"/.76u GOLD
50006-3YYYA	YYY	.177/4.50	50u"/1.27u GOLD
50006-3YYYC	YYY	.533/13.54	50u"/1.27u GOLD
50006-3YYYD	YYY	.733/18.62	50u"/1.27u GOLD
50006-3YYYG	YYY	.250/6.35	50u"/1.27u GOLD
50006-3YYYL	YYY	.188/4.78	50u"/1.27u GOLD
50006-3YYYP	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
50006-5YYYC	YYY	.533/13.54	30u"/.76u GXT
50006-5YYCLF	YYY	.533/13.54	30u"/.76u GXT
50006-5YYYD	YYY	.733/18.62	30u"/.76u GXT
50006-5YYDLF	YYY	.733/18.62	30u"/.76u GXT
50006-5YYYG	YYY	.250/6.35	30u"/.76u GXT
50006-5YYGLF	YYY	.250/6.35	30u"/.76u GXT
50006-5YYYL	YYY	.188/4.78	30u"/.76u GXT
50006-5YYLLF	YYY	.188/4.78	30u"/.76u GXT
50006-5YYYP	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
50006-XX058	240	SEE SHEET 15	50u"/1.27u GOLD
50006-XX058LF	240	SEE SHEET 15	50u"/1.27u GXT
50006-XX059	240	SEE SHEET 16	50u"/1.27u GOLD
50006-XX059LF	240	SEE SHEET 16	50u"/1.27u GXT

mat'l. code SEE NOTE 3				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family HPC					
ltr	ecr	no	dr	date	tolerances unless otherwise specified						title 3 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.				
P					angles	linear	.XX±.01/.3								
							.XXX±.005/.13	scale 1:1		dwg no 50006					
					0°±2°		.XXXX±.0020/.051								
					dr	D.SHEAFER	1991-03-14			sheet 3 of 16 size A3					
					enr	S.CLARK	1991-03-14								
					chr	S.ALOSIOUS	2011-05-23								
					appd	BIJU K PAUL	2011-05-23								
sheet index		revision sheet										type Product Customer Drawing			

A horizontal number line with tick marks at 1, 2, 3, 4, 5, and 6. A thick vertical line is drawn at 3.5, passing through the midpoint between 3 and 4.

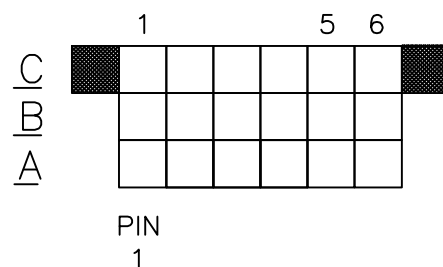
[illegible][illegible]

- | 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 |

1	2	3	4	5	6
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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:

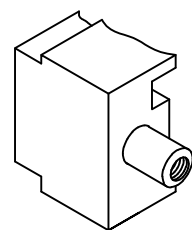
- ALL POSITIONS ARE LOADED WITH "A" .
- COLUMN 1, ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE.
- SIGNAL DATA FOR 50006-XX025 AND 50006-XX025LF:
SIZE 3 x 6
TOTAL NO. OF POSITIONS - 18
NO. OF POSITIONS LOADED - 18

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

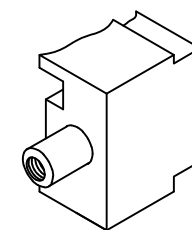
mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection 	product family HPC			
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM 	title 3 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.			
P				angles	linear					
				0°±2°						
				dr	D.SHEAFER	1991-03-14	FCI	dwg no 50006		sheet 5 of 16 size A3
				enr	S.CLARK	1991-03-14				
				chr	S ALOSIOUS	2011-05-23				
				appd	BIJU K PAUL	2011-05-23				
sheet index	revision sheet									

form: A3

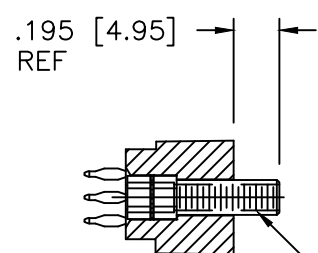
PRODUCT NUMBER
50006-XX027
50006-XX027LF



L.E.

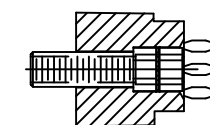
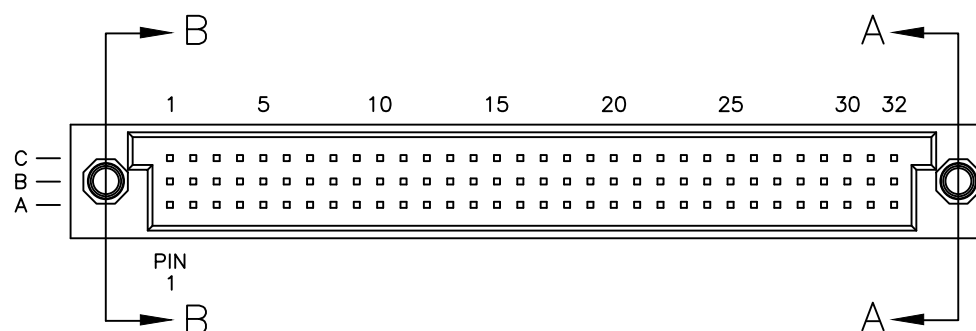


R.E.



SEC B-B

NOTE 2



SEC A-A

FOR PRODUCT NUMBERS 50006-XX027 AND 50006-XX027LF

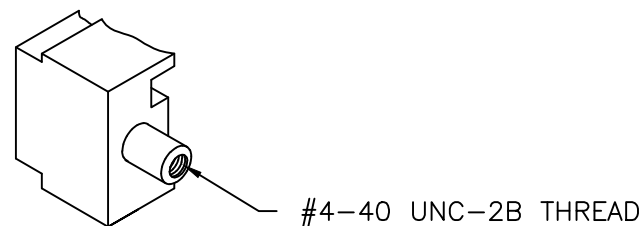
NOTES:

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

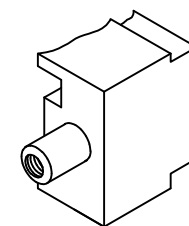
mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC			
ltr	ecn no	dr	date	tolerances unless otherwise specified			title 3 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.			
P				angles	linear		dwg no			
				0°±2°			sheet 6 of 16			
				dr	D.SHEAFER	1991-03-14	size			
				enr	S.CLARK	1991-03-14	50006			
				chr	S.ALOSIOUS	2011-05-23	A3			
				appd	BIJU K PAUL	2011-05-23	type			
sheet index		revision	sheet				Product Customer Drawing			

form: A3

PRODUCT NUMBER
50006-XX028
50006-XX028LF

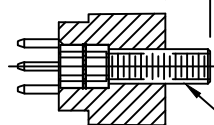


L.E.



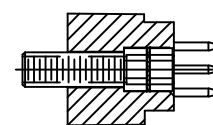
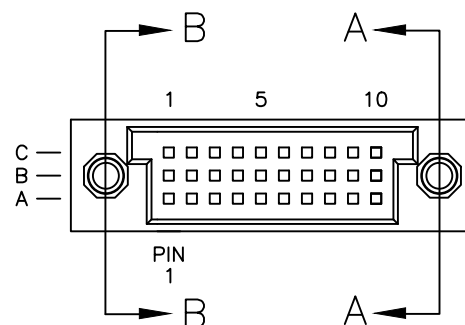
R.E.

0.195 [4.94]
REF



SEC B-B

NOTE 2

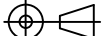


SEC A-A

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						INCH/MM	title 3 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.				
P				angles	linear	.XX±.01/.3									
						.XXX±.005/.13									
						.XXX±.0020/.051									
				dr		D.SHEAFER		1991-03-14			dwg no		sheet 7 of 16		size A
				enr		S.CLARK		1991-03-14			50006				
				chr		S ALOSIUS		2011-05-23							
				appd		BIJU K PAUL		2011-05-23			type Product Customer Drawing				
sheet index		revision sheet													

form: A3

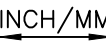
PRODUCT NUMBER
50006-XX045
50006-XX045LF

FOR PRODUCT NUMBERS 50006-XX045 AND 50006-XX045LF ONLY

	1	5	10	15	20	25	30	
C								
B								
A								
	PIN 1							
	31	35	40	45	50	55	60	

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

ITEM KEY	QTY.	MATING LENGTH	TAIL LENGTH
A	180	.220 - 5.59	.597 - 15.16

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 3 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P. dwg no 50006 sheet 8 of 16 size A3 type Product Customer Drawing			
P					angles					
					linear					
					0°±2°					
					dr	D.SHEAFER	1991-03-14			
					enr	S.CLARK	1991-03-14			
					chr	S ALOSIOUS	2011-05-23			
					appd	BIJU K PAUL	2011-05-23			
sheet index	revision sheet									

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	C	
B	B		B		B		B		B		B		B		
A	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
P				angles	linear		3 ROW VERTICAL HEADER
				0°±2°	.XX±.01/.3 .XXX±.005/.13 .XXXX±.0020/.051		W/PRESS-FIT PINS, 0 G.P.
				dr	D.SHEAFER 1991-03-14		dwg no
				enr	S.CLARK 1991-03-14		sheet 9 of 16
				chr	S ALOSIOUS 2011-05-23		50006
				appd	BIJU K PAUL 2011-05-23		A3
sheet index	revision sheet						type Product Customer Drawing

A horizontal number line with tick marks at 1, 2, 3, 4, 5, and 6. A thick vertical line is drawn at 3.5, passing through the midpoint between 3 and 4.

[illegible][illegible]

B	CUSTOMER NOTE: END GUIDE PINS ARE SUGGESTED IN YOUR APPLICATION TO	B
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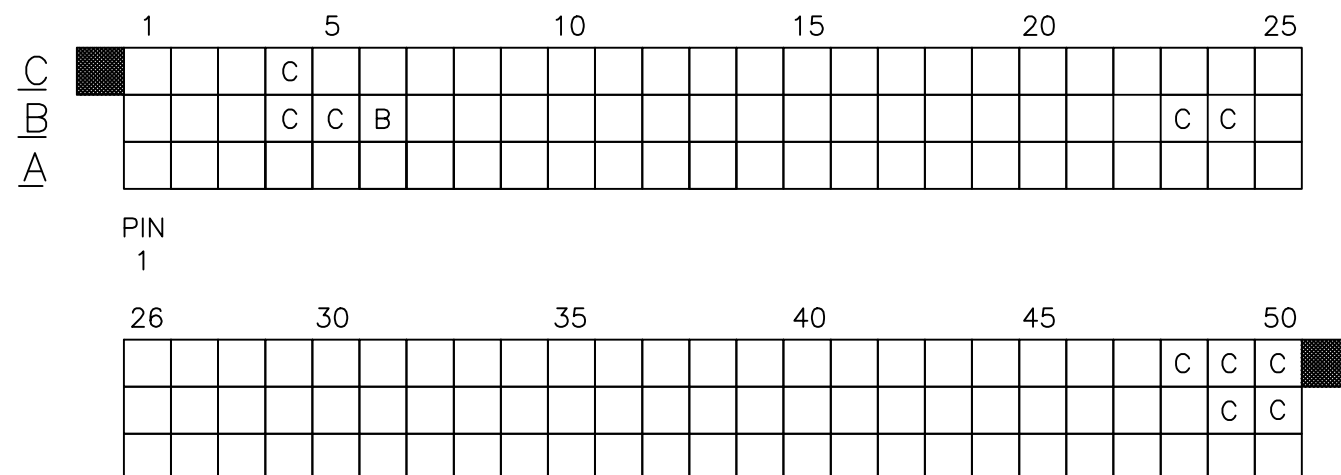
- | | | |
|---|--|---|
| C | 2. COLUMN 1, ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE | C |
|---|--|---|

[illegible]

form: A3	1	2	3	4	5	6
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PRODUCT NUMBER
50006-XX054
50006-XX054LF

FOR PRODUCT NUMBERS 50006-XX054 AND 50006-XX054LF ONLY



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

NOTES FOR 50006-XX054 AND 50006-XX054LF ONLY:

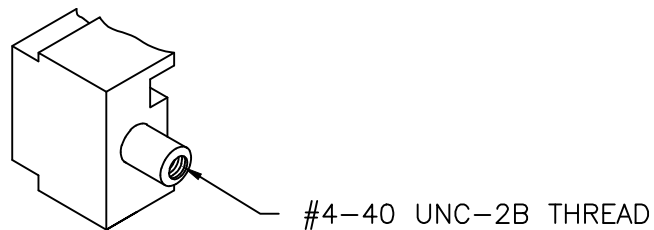
- ALL POSITIONS ARE LOADED WITH "A" EXCEPT AS SHOWN.
- COLUMN 1, ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE.
- SIGNAL DATA FOR 50006-XX054 AND 50006-XX054LF:
SIZE 3 x 50
TOTAL NO. OF POSITIONS - 150
NO. OF POSITIONS LOADED - 150

ITEM KEY	QTY.	MATING LENGTH	TAIL LENGTH
A	139	.220 / 5.59	.561 / 14.25
B	1	.180 / 4.57	.521 / 13.23
C	10	.260 / 6.60	.601 / 15.27

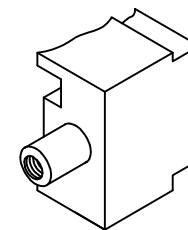
mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family HPC
ltr	ecn	no	dr	date	tolerances unless otherwise specified	INCH/MM	title
P					angles linear		3 ROW VERTICAL HEADER
					0°±2°	scale 1:1	W/PRESS-FIT PINS, 0 G.P.
			dr	D.SHEAFER	1991-03-14	FCI	dwg no
			enr	S.CLARK	1991-03-14		sheet 11 of 16
			chr	S.ALOSIUS	2011-05-23		size
			appd	BIJU K PAUL	2011-05-23		A3
sheet index	revision sheet						type Product Customer Drawing

form: A3

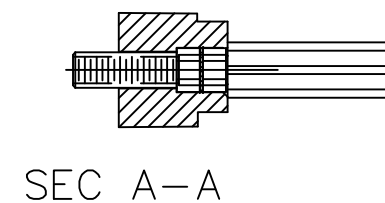
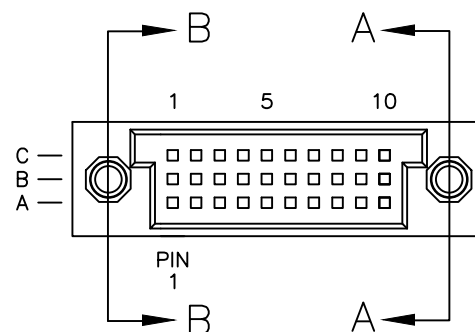
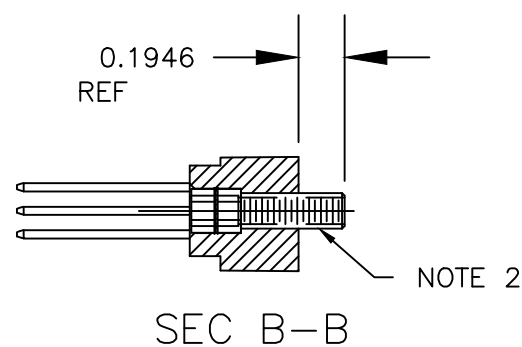
PRODUCT NUMBER
50006-XX055
50006-XX055LF



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 	product family HPC			
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM scale 1:1 	title 3 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.			
P				angles	linear		dwg no 50006			
				0°±2°						
				dr	D.SHEAFER					
				enr	S.CLARK		sheet12 of 16size A3			
				chr	S.ALOSIUS					
				appd	BIJU K PAUL		type Product Customer Drawing			
sheet index	revision sheet									

form: A3

[illegible][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.
3. SIGNAL DATA FOR 50006-XX056 AND 50006-XX056LF:
SIZE 3 x 50
TOTAL NO. OF POSITIONS - 150
NO. OF POSITIONS LOADED - 150

[illegible]

A horizontal number line with tick marks at 1, 2, 3, 4, 5, and 6. A thick vertical line is drawn at 3.5, passing through the midpoint between 3 and 4.

[illegible]

1

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

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

form: A3 1 2 3 4 5 6

[illegible][illegible]

A	PIN	A
---	-----	---

[illegible]

C	3. SIGNAL DATA FOR 50006-XX058 AND 50006-XX058LF:	C
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- | | | | | |
|-------------|---------|-----------|------------|----------------|
| mat'l. code | surface | tolerance | projection | product family |
|-------------|---------|-----------|------------|----------------|

[illegible]

form: A3	1	2	3	4	5	6
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PRODUCT NUMBER
50006-XX059
50006-XX059LF

FOR PRODUCT NUMBER 50006-XX059 AND 50006-XX059LF

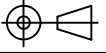
		1		5		10		15		20		25		30		35		40	
C		B	B																
B		B	B																
A		B	B																
PIN 1																			
		41		45		50		55		60		65		70		75		80	
																		B	B
																		B	B
																		B	B

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

NOTES FOR 50006-XX059 AND 50006-XX059LF 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-XX059 AND 50006-XX059LF:
 SIZE 3 x 80
 TOTAL NO. OF POSITIONS - 240
 NO. OF POSITIONS LOADED - 240

ITEM KEY	QTY.	MATING LENGTH	TAIL LENGTH
A	228	.210 / 5.33	.660 / 16.76
B	12	.245 / 6.22	.660 / 16.76

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 3 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.
P				angles	linear		
				0°±2'	.XX±.01/.3 .XXX±.005/.13 .XXX±.0020/.051		
				dr	S. ALOSIOUS	2011-05-23	FCJ 50006
				enrg	S. ALOSIOUS	2011-05-23	
				chr	S. ALOSIOUS	2011-05-23	
				appd	BIJU K PAUL	2011-05-23	
sheet index	revision sheet						type Product Customer Drawing