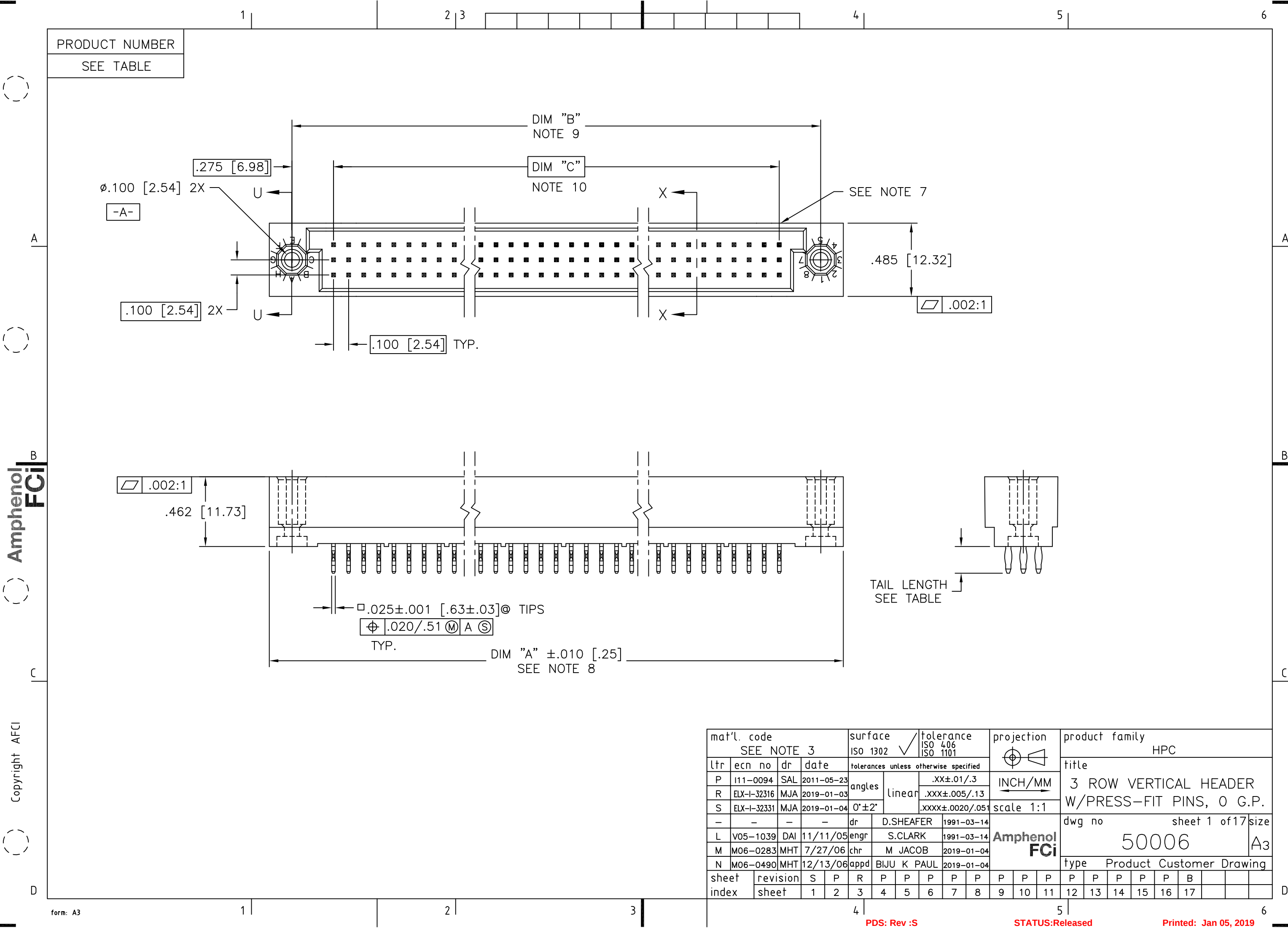




mat'l. code SEE NOTE 3				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family HPC													
ltr	ecn no	dr	date	tolerances unless otherwise specified							title												
P	I11-0094	SAL	2011-05-23	angles	linear	.XX±.01/.3					INCH/MM		3 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.										
R	ELX-I-32316	MJA	2019-01-03			.xxx±.005/.13																	
S	ELX-I-32331	MJA	2019-01-04	0°±2°		.xxx±.0020/.051					scale 1:1												
—	—	—	—	dr	D.SHEAFER		1991-03-14			Amphenol FCi		dwg no					sheet 1 of 17			size			
L	V05-1039	DAI	11/11/05	engr	S.CLARK		1991-03-14					50006					A3						
M	M06-0283	MHT	7/27/06	chr	M JACOB		2019-01-04																
N	M06-0490	MHT	12/13/06	appd	BIJU K PAUL		2019-01-04																
sheet		revision		S	P	R	P	P	P	P	P	P	P	P	P	P	P	B					
index		sheet		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			

PRODUCT NUMBER
SEE TABLE

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 $\phi.0453/1.151$ 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.
- ⑥ 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.
- 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 -XXYYY 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.

SECTION U-U

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 	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°	.xxx±.005/.13 .xxxx±.0020/.051					
				dr	D.SHEAFER	1991-03-14				
				enr	S.CLARK	1991-03-14				
				chr	S ALOSIUS	2011-05-23				
				appd	BIJU K PAUL	2011-05-23				
sheet index	revision sheet									

1

2

3

4

5

6

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

50006-5YYYALF

YYY

.177/4.50

30u"/.76u GXT

50006-5YYYC

YYY

.533/13.54

30u"/.76u GXT

50006-5YYYCLF

YYY

.533/13.54

30u"/.76u GXT

50006-5YYYD

YYY

.733/18.62

30u"/.76u GXT

50006-5YYYDLF

YYY

.733/18.62

30u"/.76u GXT

50006-5YYYG

YYY

.250/6.35

30u"/.76u GXT

50006-5YYYGLF

YYY

.250/6.35

30u"/.76u GXT

50006-5YYYL

YYY

.188/4.78

30u"/.76u GXT

50006-5YYYLLF

YYY

.188/4.78

30u"/.76u GXT

50006-5YYYP

YYY

.470/11.94

30u"/.76u GXT

50006-5YYYPLF

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

50006-XX060LF

165

SEE SHEET 17

30u"/.76u GOLD

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

linear

angles

0°±2°

linear

.XX±.01/.3

.XXX±.005/.13

.XXXX±.0020/.051

INCH/MM

scale 1:1

title

3 ROW VERTICAL HEADER

W/PRESS-FIT PINS, 0 G.P.

dr

D.SHEAFER

1991-03-14

enr

S.CLARK

1991-03-14

chr

M JACOB

2019-01-03

appd

BIJU K PAUL

2019-01-03

dwg no

sheet 3 of 17

size

A3

Amphenol FCI

type

Product Customer Drawing

sheet index

revision sheet

form: A3

1

2

3

4

5

6

PDS: Rev :S

STATUS:Released

Printed: Jan 05, 2019

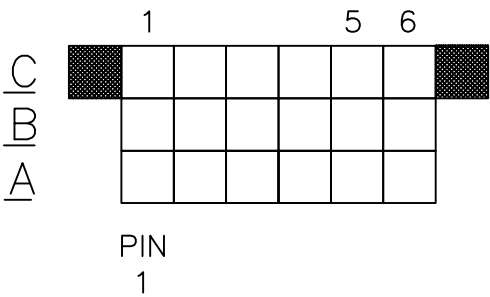
[illegible][illegible]

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
---	---	---	---	---

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.

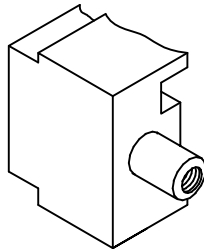
NOTES FOR 50006-XX025 AND 50006-XX025LF ONLY:

- 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

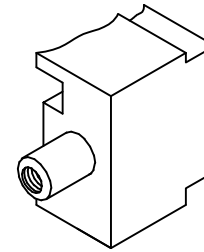
ITEM KEY	QTY.	MATING LENGTH	TAIL LENGTH
A	18	.260 / 6.60	.533 / 13.54

mat'l. code				surface ISO 1302 ✓			tolerance ISO 406 ISO 1101			projection 			product family HPC														
ltr	ecn no		dr	date		tolerances unless otherwise specified							title 3 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.														
P						angles		linear		.XX±.01/.3													INCH/MM 				
						0°±2°				.XXX±.005/.13																	
										.XXXX±.0020/.051					scale 1:1												
						dr		D.SHEAFER		1991-03-14		Amphenol FCi			dwg no		sheet 5 of 17					size					
						engr		S.CLARK		1991-03-14					50006		A3										
						chr		S ALOSIUS		2011-05-23																	
						appd		BIJU K PAUL		2011-05-23																	
sheet index		revision sheet																									

PRODUCT NUMBER
50006-XX027
50006-XX027LF

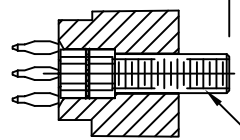


L.E.



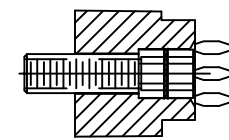
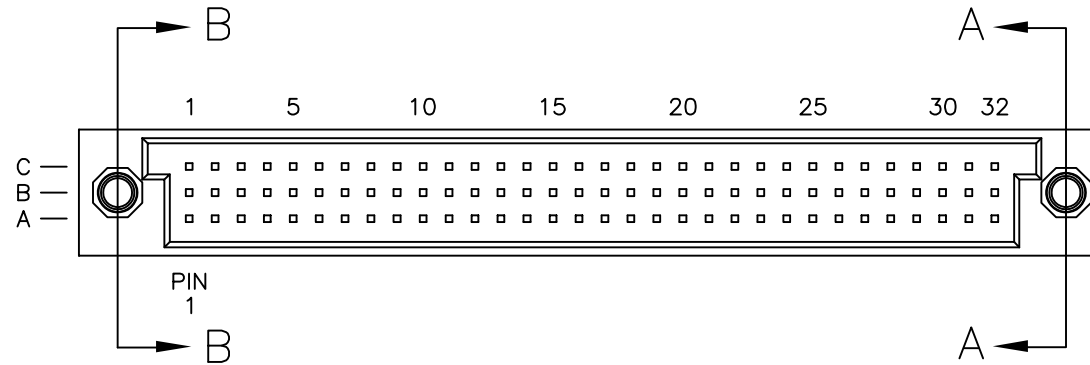
R.E.

.195 [4.95]
REF



SEC B-B

NOTE 2

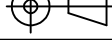
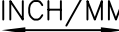


SEC A-A

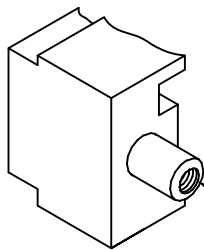
FOR PRODUCT NUMBERS 50006-XX027 AND 50006-XX027LF

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.

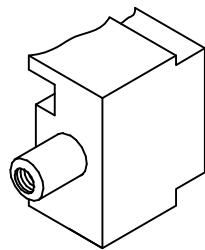
mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family HPC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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PRODUCT NUMBER
50006-XX028
50006-XX028LF

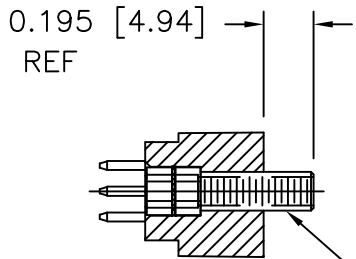


#4-40 UNC-2B THREAD

L.E.

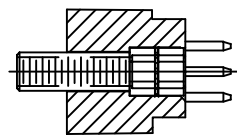
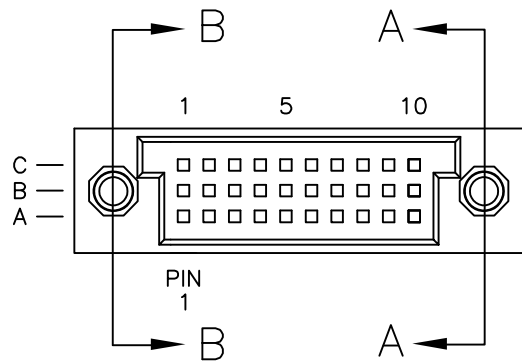


R.E.



SEC B-B

NOTE 2



SEC A-A

FOR PRODUCT NUMBERS 50006-XX028 AND 50006-XX028LF

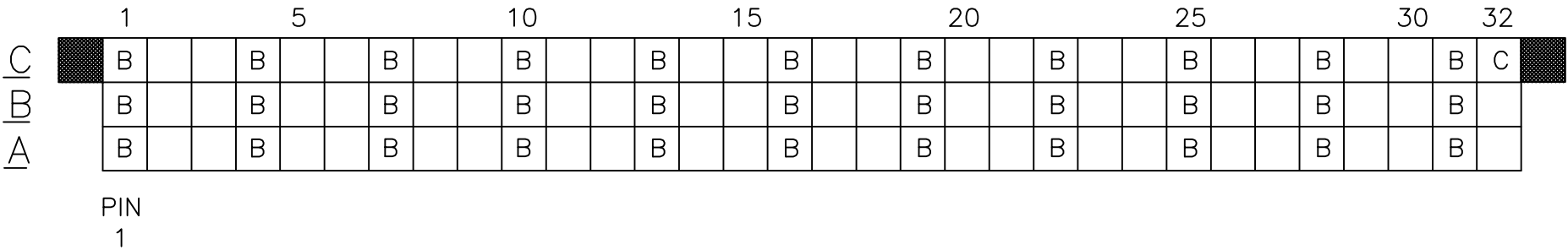
NOTES:

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		INCH/MM scale 1:1	title 3 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.									
P				angles	linear											
				0°±2°												
				dr	D.SHEAFER	1991-03-14	Amphenol FCi									
				enr	S.CLARK	1991-03-14										
				chr	S ALOSIUS	2011-05-23										
				appd	BIJU K PAUL	2011-05-23	type Product Customer Drawing									
sheet index	revision sheet															

PRODUCT NUMBER
50006-XX049
50006-XX049LF

FOR PRODUCT NUMBER 50006-XX049 AND 50006-XX049LF 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-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			title 3 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.
P				angles	linear		
				0°±2°			
				dr	D.SHEAFER	1991-03-14	Amphenol FCi
				enr	S.CLARK	1991-03-14	
				chr	S ALOSIUS	2011-05-23	
				appd	BIJU K PAUL	2011-05-23	
sheet index	revision sheet						dwg no 50006
							sheet 9 of 17
							size A3
							type Product Customer Drawing

PRODUCT NUMBER
50006-XX053
50006-XX053LF

FOR PRODUCT NUMBERS 50006-XX053 AND 50006-XX053LF ONLY

	1			5						10						15							20						25
C				C																									
B				C	C	B																				C	C		
A																													
PIN 1																													
	26				30																						C	C	C
																												C	C

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

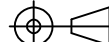
1. ALL POSITIONS ARE LOADED WITH "A" EXCEPT AS SHOWN.
2. COLUMN 1, ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE.
3. SIGNAL DATA FOR 50006-XX053 AND 50006-XX053LF:

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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Copyright AFCE

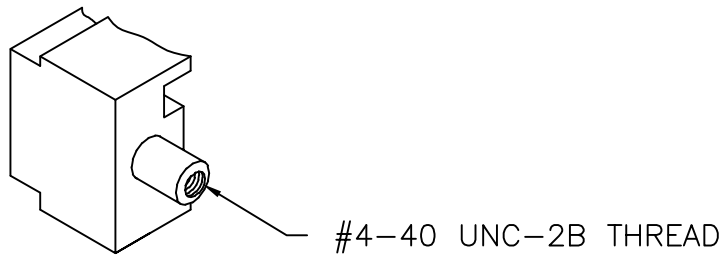
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form: A3

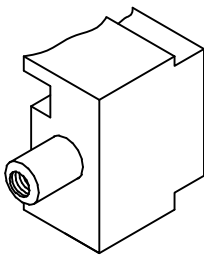
PDS: Rev :S

Printed: Jan 05, 2019

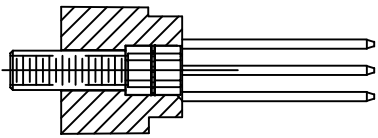
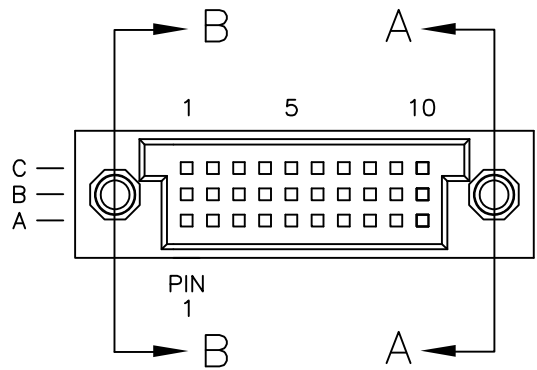
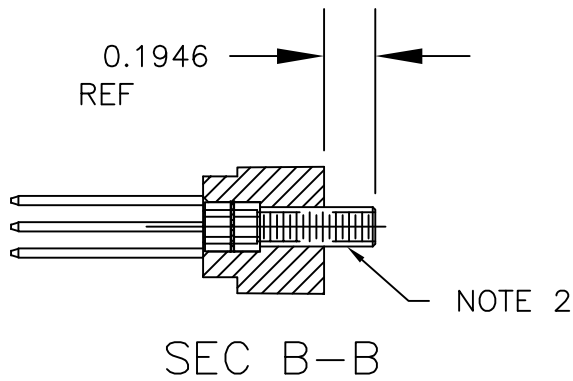
PRODUCT NUMBER
50006-XX055
50006-XX055LF



L.E.



R.E.



SEC A-A

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					
				0°±2'						
				dr	D.SHEAFER	1991-03-14				
				enr	S.CLARK	1991-03-14				
				chr	S ALOSIUS	2011-05-23				
				appd	BIJU K PAUL	2011-05-23				
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, the third 3, the fourth 4, the fifth 5, and the sixth 6. A thick vertical line is drawn between the third and fourth segments.

[illegible]

1

26	30	35	40	45	50	
						C
						C

5 AND 50006-XX056LF ONLY:

PRODUCT NUMBER
50006-XX057
50006-XX057LF

FOR PRODUCT NUMBER 50006-XX057 AND 50006-XX057LF

	1			5					10					15					20					25
C				C																				
B				C	C	B				D			D								C	C		
A							D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
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	D							

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

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

mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family
ltr	ecn no	dr	date	tolerances unless otherwise specified			HPC
P				angles	.XX±.01/.3	INCH/MM	title
				linear	.XXX±.005/.13		3 ROW VERTICAL HEADER
				0°±2°	.XXXX±.0020/.051	scale 1:1	W/PRESS-FIT PINS, 0 G.P.
				dr	D.SHEAFER 1991-03-14	Amphenol FCi	dwg no
				enr	S.CLARK 1991-03-14		sheet14 of 17
				chr	S ALOSIUS 2011-05-23		size
				appd	BIJU K PAUL 2011-05-23		A3
sheet index	revision sheet						type Product Customer Drawing

[illegible]

NOTES FOR 50006-XX058 AND 50006-XX058LF 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-XX058 AND 50006-XX058LF:
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	.533 / 13.54
B	12	.244 / 6.20	.533 / 13.54

[illegible]

[illegible]

NOTES FOR 50006-XX059 AND 50006-XX059LF 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-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

[illegible]

PRODUCT NUMBER
50006-XX060LF

FOR PRODUCT NUMBER 50006-XX060LF ONLY

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

PIN
1

31	35	40	45	50	55
A	A	A	A	A	A
		A	A	A	A
A	A	A	A	A	A

NOTES : FOR 50006-XX060LF ONLY:

1. ALL POSITIONS ARE LOADED, EXCEPT OMITTS, AS SHOWN.
2. COLUMN 1, ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE.
3. SIGNAL DATA FOR 50006-XX060LF:
SIZE 3 x 55
TOTAL NO. OF POSITIONS - 165
NO. OF POSITIONS LOADED - 107

ITEM KEY	QTY.	MATING LENGTH	TAIL LENGTH
A	107	.220 / 5.59	.250 / 6.35
BLANK	58	N/A	N/A

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 3 ROW VERTICAL HEADER W/PRESS-FIT PINS, 0 G.P.
B				angles	linear		
				0°±2°	linear		
				dr	M JACOB	2019-01-03	Amphenol FCi
				enr	M JACOB	2019-01-03	
				chr	M JACOB	2019-01-04	
				appd	BIJU K PAUL	2019-01-04	
sheet index	revision sheet						type Product Customer Drawing