

This document is the property of and embodies
CONFIDENTIAL and PROPRIETARY information of FCI.
No part of the information shown on this
document may be used in any way or disclosed
to others without the written consent of FCI.
Copyright FCI.



PRODUCT NO.	PLATING PERFORMANCE LEVEL	FOR REAR PLUG-UP APPLICATIONS USE SHROUD
73983-1ZZZ	TELCORDIA CO	84818-101
73983-1ZZZLF		84818-101LF
73983-2ZZZ	CUSTOMER SPECIAL	84818-301
73983-2ZZZLF		84818-301LF
73983-3ZZZ	CUSTOMER SPECIAL	84818-301
73983-3ZZZLF		84818-301LF
73983-5ZZZ	TELCORDIA UE	84818-501
73983-5ZZZLF		84818-501LF
73983-9ZZZ	TELCORDIA CO	84818-101
73983-9ZZZLF		84818-101LF

1 2

3

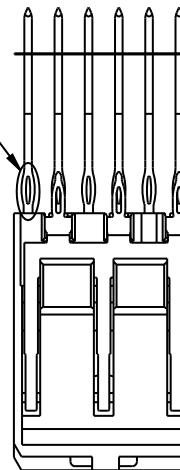
4

SEE DETAIL A

EYE OF NEEDLE
PRESS FIT SECTION

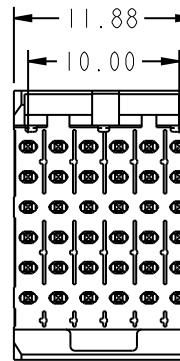
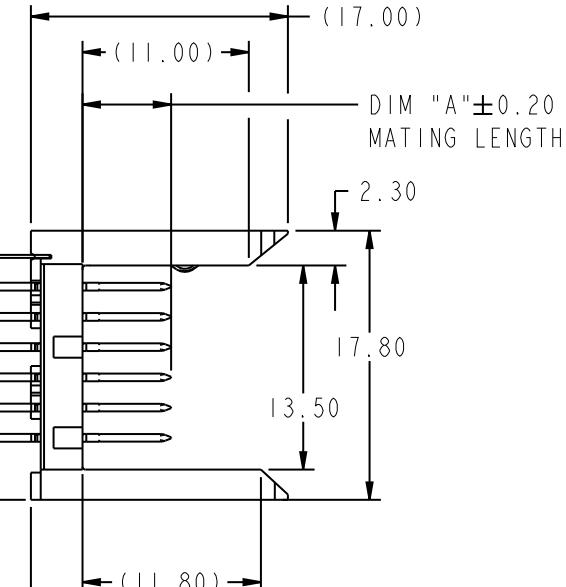
BABY-H
PRESS FIT SECTION

DETAIL A
SCALE 4:1
SEE NOTE 15



FROM LONGEST PIN. ONLY
ON REAR PLUG-UP
PART NUMBERS

GND
E
D
C
B
A
GND
12.00
6.10
2.00
DIM "B"±0.20
TAIL LENGTH



1 2 3 4 5 6

mat'l code
SEE NOTE 5

tolerances unless
otherwise specified

litr ecn no. dr date

T V06-0544 DCH 2006-06-09

U V07-0165 DCH 2007-03-14

V V07-0667 HTB 2007-11-07

W V08-0009 LP 2008-1-23

X 109-0254 RKV 2009-11-13

Y V04-0398 DAI 2004-05-25

Z V05-0405 DAI 2005-05-16

appd

dr chr

K. BELL

2000-03-29

M. HAHN

2000-03-29

RAJKRISHNAN.V

2009-11-13

BIJU K PAUL

2009-11-13

CUSTOMER
COPY

projection

MM

scale

1 : 1



www.fciconnect.com

title VERTICAL SIGNAL HDR 5 ROW
P. F. 30 POS. SPECIAL LOAD STD.

product family METRAL 1000

code

213

size dwg no

A 73983

sheet

1 of 6

sheet

revision

sheet

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 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 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

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 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 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

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 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 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

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 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

<p

PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	PCB THICKNESS RANGE ACCOMMODATED BY PIN'S TAIL LENGTH						
			WHEN MATING TO A 73981 OR 84688 SERIES RECEPTACLE		WHEN MATING TO A 52057 SERIES METRAL 4000 RECEPTACLE				
			ROWS A,B,C,D,&E	GROUND ROW	ROWS:A,B,D&E	ROW C	GROUND ROW		
01*	5.00	4.30	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN	A	
22		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20		
30		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95		
05		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70		
35		14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.05	4.75 - 6.45		
48		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20		
40		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70		
65		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40		
09		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.70	7.40 - 9.10		
02*	5.75	4.30	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN		
44		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20		
31		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95		
06		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70		
36		14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.05	4.75 - 6.45		
49		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20		
25		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70		
66		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40		
10		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.70	7.40 - 9.10		
03*	6.50	4.30	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN		
45		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20		
32		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95		
07		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70		
37		14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.05	4.75 - 6.45		
50		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20		
41		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70		
24		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40		
11		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.70	7.40 - 9.10		

mat'l code				SEE NOTE 5			tolerances unless otherwise specified		CUSTOMER COPY	 www.fciconnect.com
ltr	ecn no.	dr	date	linear			angles			
X									projection	title VERTICAL SIGNAL HDR 5 ROW P. F. 30 POS. SPECIAL LOAD STD.
									MM	product family
									scale	code
									1 : 1	213
									A	dwg no
										73983
										sheet
										3
sheet index		revision								
		sheet								

This document is the property of and embodies
CONFIDENTIAL and PROPRIETARY information of FCI.
No part of the information shown on this
document may be used in any way or disclosed
to others without the written consent of FCI.
Copyright FCI.

PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	PCB THICKNESS RANGE ACCOMMODATED BY PIN LENGTH				
			WHEN MATING TO A 73981 OR 84688 SERIES RECEPTACLE		WHEN MATING TO A 52057 SERIES METRAL 4000 RECEPTACLE		
			ROWS A,B,C,D,&E	GROUND ROW	ROWS:A,B,D&E	ROW C	GROUND ROW
04*	7.25	4.30	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN
46		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20
33		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95
08		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70
38		14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.05	4.75 - 6.45
51		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20
42		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70
67		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40
12		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.70	7.40 - 9.10
19*	8.00	4.30	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN
47		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20
34		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95
20		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70
39		14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.05	4.75 - 6.45
52		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20
43		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70
68		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40
21		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.70	7.40 - 9.10

mat'l code				SEE NOTE 5			tolerances unless otherwise specified		CUSTOMER COPY	projection	title	www.fciconnect.com	
ltr	ecn no.	dr	date	linear			angles						
X							dr	K. BELL	2000-03-29	MM	product family	METRAL 1000	code
							engr	M. HAHN	2000-03-29				
							chr	RAJKRISHNAN.V	2009-11-13	scale	size	dwg no	213
							oppd	BIJU K PAUL	2009-11-13				
sheet		revision								A	73983	sheet	4
index		sheet											

This document is the property of and embodies
CONFIDENTIAL and PROPRIETARY information of FCI.
No part of the information shown on this
document may be used in any way or disclosed
to others without the written consent of FCI.
Copyright FCI.





This document is the property of and embodies CONFIDENTIAL and PROPRIETARY information of FCI. No part of the information shown on this document may be used in any way or disclosed to others without the written consent of FCI. Copyright FCI.

112

3 |

4

SPECIAL LOAD PATTERNS		
PRODUCT #	ROW	PIN CODES
73983-X001	E	01
SEE NOTE 14 LEAD FREE OPTION	D	
	C	
	B	
	A	
	GND	
73983-X002	E	22
*RPU SEE NOTE 14 LEAD FREE OPTION	D	
	C	
	B	
	A	
	GND	
73983-X003	E	30
*RPU SEE NOTE 14 LEAD FREE OPTION	D	
	C	
	B	
	A	
	GND	
73983-X004	E	05
*RPU SEE NOTE 14 LEAD FREE OPTION	E	
	C	
	B	
	A	
	GND	

PCB THICKNESS
RANGE FOR REAR
PLUG UP
APPLICATIONS
2.95 TO 3.80mm

PCB THICKNESS
RANGE FOR REAR
PLUG UP
APPLICATIONS
3.25 TO 4.55mm

PCB THICKNESS
RANGE FOR REAR
PLUG UP
APPLICATIONS
4.00 TO 5.30mm

SPECIAL LOAD PATTERNS			
PRODUCT #	ROW	PIN CODES	
73983-X005 *RPU SEE NOTE 14 LEAD FREE OPTION	E	35	
	D		
	C		
	B		
	A		
	GND		
73983-X008 *RPU SEE NOTE 14 LEAD FREE OPTION	E	09	
	D		
	C		
	B		
	A		
	GND		
73983-X011 SEE NOTE 14 LEAD FREE OPTION	E	02	
	D		
	C		
	B		
	A		
	GND		
73983-X012 *RPU SEE NOTE 14 LEAD FREE OPTION	E	44	
	D		
	C		
	B		
	A		
	GND		
			22

PCB THICKNESS
RANGE FOR REAR
PLUG UP
APPLICATIONS
4.75 TO 6.05mm

PCB THICKNESS
RANGE FOR REAR
PLUG UP
APPLICATIONS
7.40 TO 8.70mm

PCB THICKNESS
RANGE FOR REAR
PLUG UP
APPLICATIONS
2.95 TO 3.80mm

* REAR PLUG UP PART NUMBER

mat'l code SEE NOTE 5				tolerances unless otherwise specified			CUSTOMER	 www.fciconnect.com	
ltr	ecn no.	dr	date	linear					
X							projection		title VERTICAL SIGNAL HDR 5 ROW P.F. 30 POS. SPECIAL LOAD STD.
				angles					
				dr	K. BELL	2000-03-29	 scale	product family METRAL 1000 size dwg no A	code 213 sheet 5
				engr	M. HAHN	2000-03-29			
				chr	RAJKRISHNAN, V	2009-11-13			
				oppa	BIJU K PAUL	2009-11-13			
sheet		revision							
index		sheet							

12

Pro/E

3

4

REV E - 2006-04-18

PDM: Rev:X

STATUS: **Released**

Printed: Nov 16, 2011



This document is the property of and embodies CONFIDENTIAL and PROPRIETARY information of FCI. No part of the information shown on this document may be used in any way or disclosed to others without the written consent of FCI.
Confidential FCI

SPECIAL LOAD PATTERNS		
PRODUCT #	ROW	PIN CODES
73983-X021 SEE NOTE 14 LEAD FREE OPTION	E	01
	D	
	C	03
	B	01
	A	
	GND	
73983-X031 SEE NOTE 14 LEAD FREE OPTION	E	03
	D	
	C	
	B	
	A	
	GND	
73983-X032 ** SEE NOTE 14 LEAD FREE OPTION	E	19
	D	
	C	
	B	
	A	
	GND	

** CANNOT BE MATED TO A METRAL 4000 RECEPTACLE

PRODUCT #	ROW	COLUMN					
		1	2	3	4	5	6
73983-X033	E	02	02	02	02	02	02
	D	02	02	02	02	02	02
	C	02	02	02	02	01	02
	B	02	02	02	02	02	02
	A	02	02	02	02	02	02
	GND	02	02	02	02	02	02

