



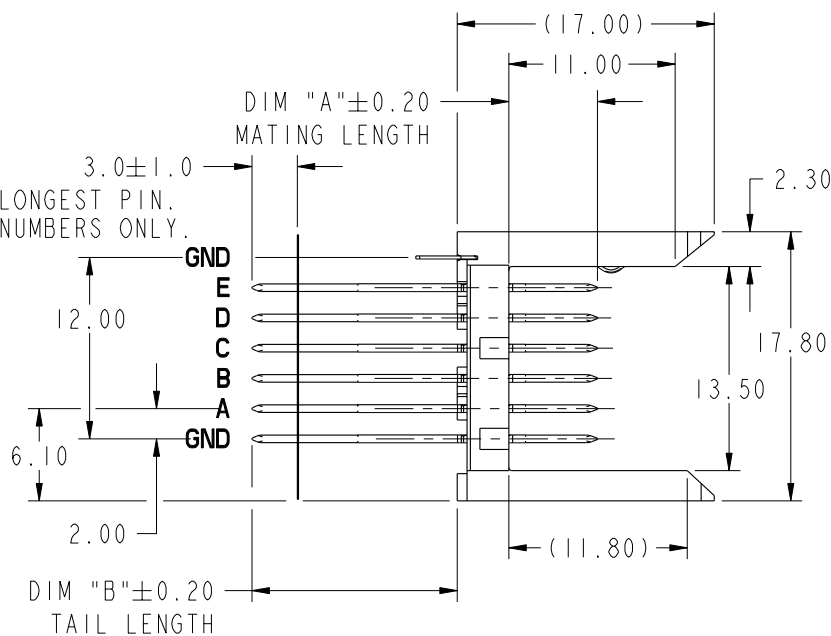
PRODUCT NUMBER
SEE BELOW AND TABLE ON SHEET 2

84817-X YY ZZZ LF
BASE NUMBER
LEAD FREE (OPTIONAL)
SPECIAL LOAD PATTERN
SEE SHEETS 7-9
SIZE, SEE SHEET 2
PLATING PERFORMANCE
LEVEL, SEE SHEET 2

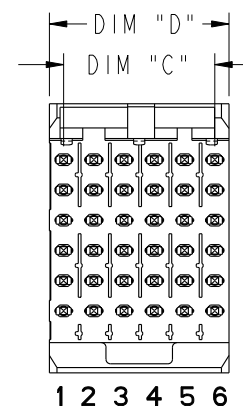
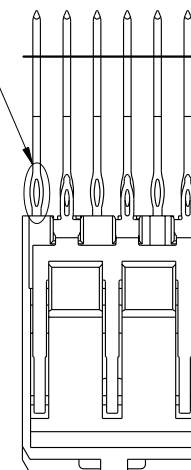
EYE OF NEEDLE
PRESS FIT SECTION
BABY-H
PRESS FIT SECTION

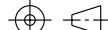
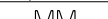
DETAIL A
SCALE 4:1
SEE NOTE 17

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



SEE DETAIL A



mat'l code SEE NOTE 5				tolerances unless otherwise specified				CUSTOMER		 www.fciconnect.com			
ltr	ecn no.	dr	date	linear	0.X ±.1			projection 	COPY	title VERTICAL SIGNAL HDR 5 ROW PRESS-FIT, SPECIAL LOAD, STD.			
AC	V06-0569	DCH	2006-06-12		0.XX ±.05								
AD	V07-0047	HTB	2007-01-19	angles	.XXX ±.020				scale	product family METRAL 1000	size A	dwg no 84817	code 213
AE	V07-0166	DCH	2007-03-01		0° ±2°								
AF	V07-0676	HTB	2007-11-08	dr	K. BELL	2000-03-29		MM	scale	product family METRAL 1000	size A	dwg no 84817	code 213
AG	V08-0009	LP	2008-1-23	engr	M. HAHN	2000-03-29							
-	-	-	-	chr	M. HAHN	2000-03-29		MM	scale	product family METRAL 1000	size A	dwg no 84817	code 213
AB	V05-0806	VS	2005-09-13	appd	M. HAHN	2000-03-29							
sheet index		revision sheet		AG	AG	AG	AG	AG	AG				
1		2		1	2	3	4	5	6	7			

Pro/E

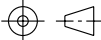
PDM: Rev:AG

STATUS: Released

Printed: May 13, 2011



PRODUCT NO.	PLATING PERFORM- ANCE LEVEL	SHROUD TO USE FOR REAR-PLUG-UP APPLICATIONS	LENGTH DIM D	PIN FIELD DIM C	CONNECTOR SIZE	PRODUCT NO.	PLATING PERFORM- ANCE LEVEL	SHROUD TO USE FOR REAR-PLUG-UP APPLICATIONS	LENGTH DIM D	PIN FIELD DIM C	CONNECTOR SIZE
84817-101ZZZ	TELCORDIA CO	84818-101	11.88	10.00	1 MOD	84817-901ZZZ	TELCORDIA CO	84818-101	11.88	10.00	1 MOD
84817-101ZZZLF		84818-101LF				84817-901ZZZLF		84818-101LF			
84817-102ZZZ		84818-102	23.88	22.00	2 MOD	84817-902ZZZ		84818-102	23.88	22.00	2 MOD
84817-102ZZZLF		84818-102LF				84817-902ZZZLF		84818-102LF			
84817-103ZZZ		84818-103	35.88	34.00	3 MOD	84817-903ZZZ		84818-103	35.88	34.00	3 MOD
84817-103ZZZLF		84818-103LF				84817-903ZZZLF		84818-103LF			
84817-104ZZZ		84818-104	47.88	46.00	4 MOD	84817-904ZZZ		84818-104	47.88	46.00	4 MOD
84817-104ZZZLF		84818-104LF				84817-904ZZZLF		84818-104LF			
84817-301ZZZ	CUSTOMER SPECIAL	84818-301	11.88	10.00	1 MOD						
84817-301ZZZLF		84818-301LF									
84817-302ZZZ		84818-302	23.88	22.00	2 MOD						
84817-302ZZZLF		84818-302LF									
84817-303ZZZ		84818-303	35.88	34.00	3 MOD						
84817-303ZZZLF		84818-303LF									
84817-304ZZZ		84818-304	47.88	46.00	4 MOD						
84817-304ZZZLF		84818-304LF									
84817-501ZZZ	TELCORDIA UE	84818-501	11.88	10.00	1 MOD						
84817-501ZZZLF		84818-501LF									
84817-502ZZZ		84818-502	23.88	22.00	2 MOD						
84817-502ZZZLF		84818-502LF									
84817-503ZZZ		84818-503	35.88	34.00	3 MOD						
84817-503ZZZLF		84818-503LF									
84817-504ZZZ		84818-504	47.88	46.00	4 MOD						
84817-504ZZZLF		84818-504LF									

mat'l code SEE NOTE 5				tolerances unless otherwise specified				CUSTOMER		FCj www.fciconnect.com																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Printed: May 13, 2011.



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,DE	ROW C	GROUND ROW
01*	5.00	4.30	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN
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		FCI www.fciconnect.com		
ltr	ecn no.	dr	date	linear	0.X ± .1		projection 	title VERTICAL SIGNAL HDR 5 ROW PRESS-FIT, SPECIAL LOAD, STD.		
AG					0.XX ± .05					
					.XXX ± .020					
				angles	0° ± 2°		MM scale 1:1	product family METRAL 1000		
				dr	K. BELL	2000-03-29		size	dwg no	code
				enrg	M. HAHN	2000-03-29		A	84817	213
				chr	M. HAHN	2000-03-29				sheet
				appd	M. HAHN	2000-03-29			4	
sheet index		revision sheet								



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,DE	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

* STUB PINS - NO REAR PLUG-UP
** THE GREATEST RANGE OCCURS
WHEN THE B DIMENSION OF
PIN 'GND' IS ONE SIZE SHORTER
THEN THE OTHER PINS.

mat'l code SEE NOTE 5				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com		
ltr	ecn no.	dr	date	linear	0.X ±.1		projection 	title VERTICAL SIGNAL HDR 5 ROW PRESS-FIT, SPECIAL LOAD, STD.		
AG					0.XX ±.05					
					.XXX ±.020					
				angles	0° ±2°		MM scale 1:1	product family METRAL 1000		
				dr	K. BELL	2000-03-29		size	dwg no	code
				enrg	M. HAHN	2000-03-29		A	84817	213
				chr	M. HAHN	2000-03-29				sheet
				appd	M. HAHN	2000-03-29				5
sheet index		revision sheet						cage code 22526		



A

B

SPECIAL LOAD PATTERNS		
PRODUCT #	ROW	PIN CODES
84817-XY001 SEE NOTE 15 LEAD FREE OPTION	E	01
	D	
	C	
	B	
	A	
	GND	
84817-XY002 *RPU SEE NOTE 15 LEAD FREE OPTION	E	22
	D	
	C	
	B	
	A	
	GND	
84817-XY011 SEE NOTE 15 LEAD FREE OPTION	E	02
	D	
	C	
	B	
	A	
	GND	01
84817-XY021 SEE NOTE 15 LEAD FREE OPTION	E	02
	D	
	C	
	B	
	A	
	GND	
84817-XY022 SEE NOTE 15 LEAD FREE OPTION	E	02
	D	
	C	
	B	
	A	
	GND	
84817-XY023 SEE NOTE 15 LEAD FREE OPTION	E	02
	D	04
	C	
	B	02
	A	
	GND	
84817-XY024 *RPU SEE NOTE 15 LEAD FREE OPTION	E	06
	D	08
	C	
	B	06
	A	
	GND	
84817-XY025 *RPU SEE NOTE 15 LEAD FREE OPTION	E	06
	D	
	C	
	B	
	A	
	GND	01

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

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

PCB THICKNESS
RANGE FOR REAR
PLUG UP
APPLICATIONS:
*2.30-3.30 TO 5.30mm

SPECIAL LOAD PATTERNS		
PRODUCT #	ROW	PIN CODES
84817-XY026 *RPU SEE NOTE 15 LEAD FREE OPTION	E	22
	D	
	C	
	B	
	A	
	GND	01
84817-XY027 *RPU SEE NOTE 15 LEAD FREE OPTION	E	44
	D	
	C	
	B	
	A	
	GND	
84817-XY028 SEE NOTE 15 LEAD FREE OPTION	E	01
	D	03
	C	
	B	01
	A	
	GND	
84817-XY029 SEE NOTE 15 LEAD FREE OPTION	E	02
	D	03
	C	
	B	02
	A	
	GND	01
84817-XY030 *RPU SEE NOTE 15 LEAD FREE OPTION	E	06
	D	07
	C	
	B	06
	A	
	GND	01
84817-XY031 *RPU SEE NOTE 15 LEAD FREE OPTION	E	25
	D	
	C	02
	B	
	A	
	GND	02

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

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

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

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

mat'l code SEE NOTE 5				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±.1	projection	COPY	title VERTICAL SIGNAL HDR 5 ROW PRESS-FIT, SPECIAL LOAD, STD.	
AG					0.XX ±.05				
					.XXX ±.020				
				angles	0° ±2°	MM scale 1:1	product family METRAL 1000	code 213	sheet 6
				dr	K. BELL 2000-03-29				
				enrg	M. HAHN 2000-03-29				
				chr	M. HAHN 2000-03-29	A	size 84817	sheet 6	
				appd	M. HAHN 2000-03-29				
sheet	revision								
index	sheet								

A

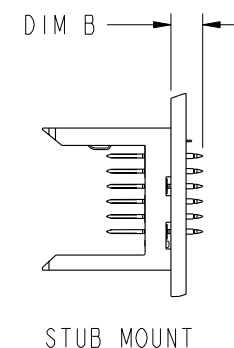
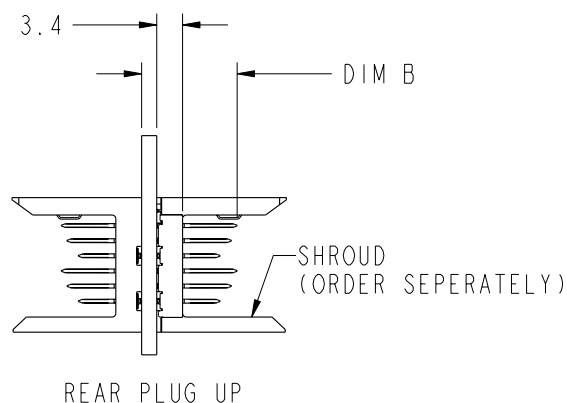
B



SPECIAL LOAD PATTERNS		
PRODUCT #	ROW	PIN CODES
84817-XY032 SEE NOTE 15 LEAD FREE OPTION	E	22
	D	
	C	45
	B	
	A	22
	GND	
84817-XY033 *RPU SEE NOTE 15 LEAD FREE OPTION	E	
	D	
	C	06
	B	
	A	
	GND	30
84817-XY034 SEE NOTE 15 LEAD FREE OPTION	E	
	D	
	C	03
	B	
	A	
	GND	02
84817-XY035 SEE NOTE 15 LEAD FREE OPTION	E	
	D	01
	C	
	B	-
	A	
	GND	01
84817-XY036 *RPU SEE NOTE 15 LEAD FREE OPTION	E	
	D	22
	C	
	B	01
	A	
	GND	22
84817-XY037 SEE NOTE 15 LEAD FREE OPTION	E	
	D	
	C	01
	B	
	A	
	GND	02
84817-XY038 *RPU SEE NOTE 15 LEAD FREE OPTION	E	
	D	
	C	49
	B	
	A	
	GND	
84817-XY039 *RPU SEE NOTE 15 LEAD FREE OPTION	E	
	D	
	C	36
	B	
	A	
	GND	06

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

PCB THICKNESS
RANGE FOR REAR
PLUG UP
APPLICATIONS:
4.80 TO 6.80mm



mat'l code SEE NOTE 5				tolerances unless otherwise specified				CUSTOMER		FCi www.fciconnect.com				
ltr	ecr no.	dr	date	linear	0.X ±.1			COPY		title VERTICAL SIGNAL HDR 5 ROW PRESS-FIT, SPECIAL LOAD, STD.				
AG					0.XX ±.05									
					.XXX ±.020									
				angles	0° ±2°									
					dr	K. BELL	2000-03-29							
					enrg	M. HAHN	2000-03-29							
				chr	M. HAHN	2000-03-29	MM	scale	product family		METRAL 1000	code	213	
				appd	M. HAHN	2000-03-29								
sheet index		revision sheet							size		dwg no	84817	sheet	7
									A					