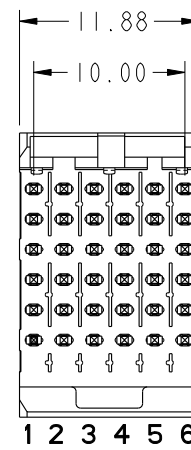
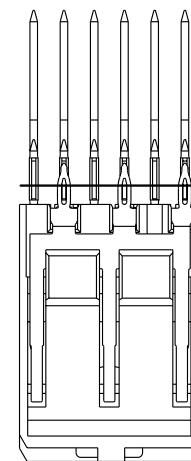
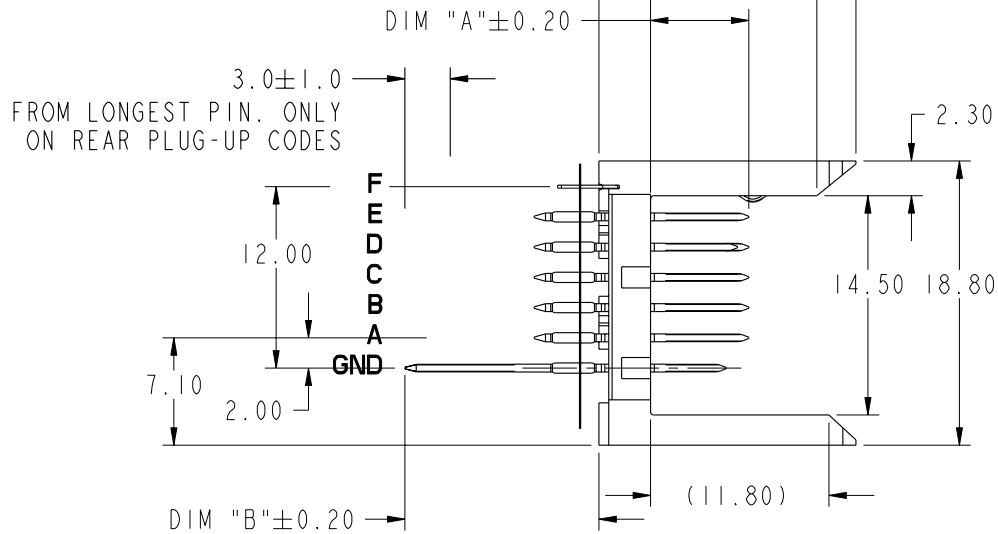
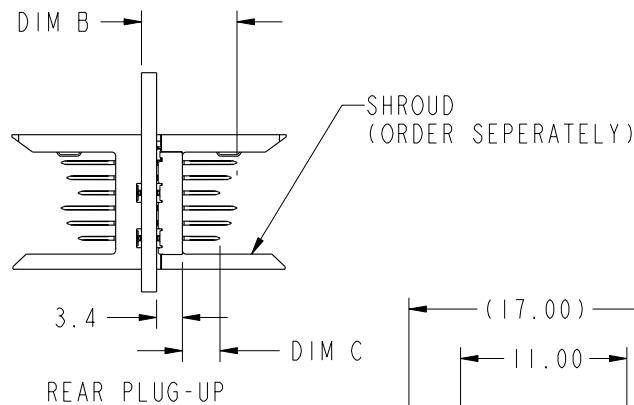
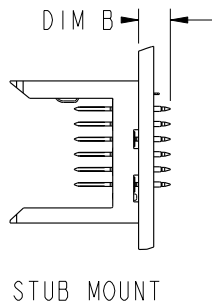


PRODUCT NUMBER
98122-XYX
98122-XYXLF



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mat'l code				tolerances unless otherwise specified			CUSTOMER		FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX ± .01		COPY		title	
J	V06-0573	DCH	2006-06-14		.XXX ± .005		projection		STR. P.F. EXT. 5-ROW	
-	-	-	-		.XXX ± .0020		MM		product family METRAL 1000 code	
D	V11731	SAK	06/20/01	angles	0° ± 2°		scale		size	
E	V03-0043	VS	5/9/03	dr	E. KROPER.	1/25/01	1:1		213	
F	V03-1156	TAB	11/14/03	enrg	J. VOLSTORF	6/13/01	A		sheet	
G	V04-0399	DAI	05/24/04	chr	J. VOLSTORF	1/25/01	A		1 of 6	
H	V05-0806	VS	9/21/05	appd	J. VOLSTORF	1/25/01	A		98122	
sheet	revision	J	J	J	J	J	cage code		22526	
index	sheet	1	2	3	4	5	4		4	

**INFORMATION FOR MATING WITH
84854 METRAL 1000 RECEPTACLES**

PIN CODES

		DIM B								
		4.30	12.20	12.95	13.70	14.45	15.20	15.70	16.40	17.10
DIM A	5.00	1*	22	30	5	35	48	40	65	9
	5.75	2*	44	31	6	36	49	25	66	10
	6.50	3*	45	32	7	37	50	41	24	11
	7.25	4*	46	33	8	38	51	42	67	12
	8.00	19*	47	34	20	39	52	43	68	21


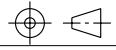


RESTRICTION ON CURCUIT BOARD THICKNESS RANGE
FOR PIN POSITIONS A, B, C, D & E

		DIM B								
		4.30	12.20	12.95	13.70	14.45	15.20	15.70	16.40	17.10
MIN THICKNESS		1.60	2.95	2.95	2.95	3.05	3.80	4.30	5.00	5.70
MAX THICKNESS		NONE	3.80	4.55	5.30	6.05	6.80	7.30	8.00	8.70

RESTRICTION ON CURCUIT BOARD THICKNESS RANGE
FOR PIN POSITION 'GND' **

		DIM B								
		4.30	12.20	12.95	13.70	14.45	15.20	15.70	16.40	17.10
MIN THICKNESS		1.60	2.95	3.25	4.00	4.75	5.50	6.00	6.70	7.40
MAX THICKNESS		NONE	4.20	4.95	5.70	6.45	7.20	7.70	8.40	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				tolerances unless otherwise specified				CUSTOMER		FCj www.fciconnect.com		
ltr	ecn no.	dr	date	linear	.XX ±.01		COPY					
J	-	-	-		.XXX ±.005		projection					
					.XXXX ±.0020							
				angles	0° ±2°				title HEADER ASS'Y STR. P.F. EXT. 5-ROW			
				dr	E. KROPER.	1/25/01			product family METRAL 1000			
				engr	J. VOLSTORF	6/13/01			code		213	
				chr	J. VOLSTORF	1/25/01			size		2	
				appd	J. VOLSTORF	1/25/01			dwg no		98122	
sheet index	revision sheet						scale		A			
							1:1					

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**INFORMATION FOR MATING WITH
52062 METRAL 4000 RECEPTACLES**

PIN CODES

		DIM B								
		4.30	12.20	12.95	13.70	14.45	15.20	15.70	16.40	17.10
DIM A	5.00	1*	22	30	5	35	48	40	65	9
	5.75	2*	44	31	6	36	49	25	66	10
	6.50	3*	45	32	7	37	50	41	24	11
	7.25	4*	46	33	8	38	51	42	67	12
	8.00	19*	47	34	20	39	52	43	68	21

RESTRICTION ON CURCUIT BOARD THICKNESS RANGE
FOR PIN POSITIONS A, B, D & E

		DIM B								
		4.30	12.20	12.95	13.70	14.45	15.20	15.70	16.40	17.10
MIN THICKNESS		1.60	2.95	2.95	3.30	4.05	4.80	5.30	6.00	6.70
MAX THICKNESS		NONE	3.80	4.55	5.30	6.05	6.80	7.30	8.00	8.70

RESTRICTION ON CURCUIT BOARD THICKNESS RANGE
FOR PIN POSITION C

		DIM B								
		4.30	12.20	12.95	13.70	14.45	15.20	15.70	16.40	17.10
MIN THICKNESS		1.60	2.95	2.95	2.95	3.05	3.80	4.30	5.00	5.70
MAX THICKNESS		NONE	3.80	4.55	5.30	6.05	6.80	7.30	8.00	8.70

RESTRICTION ON CURCUIT BOARD THICKNESS RANGE
FOR PIN POSITION 'GND' **

		DIM B								
		4.30	12.20	12.95	13.70	14.45	15.20	15.70	16.40	17.10
MIN THICKNESS		1.60	2.95	3.25	4.00	4.75	5.50	6.00	6.70	7.40
MAX THICKNESS		NONE	4.20	4.95	5.70	6.45	7.20	7.70	8.40	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.

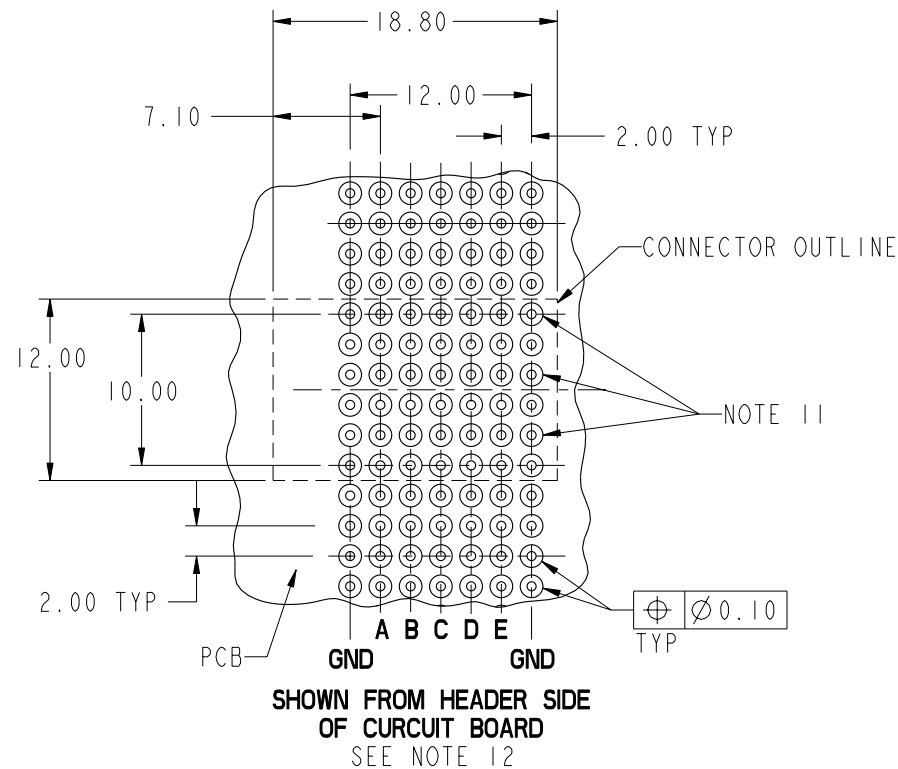
mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
ltr	ecr no.	dr	date	linear	.XX ± .01		COPY		title HEADER ASS'Y STR. P.F. EXT. 5-ROW
J	-	-	-		.XXX ± .005		projection		
					.XXX ± .0020				
				angles	0° ± 2°				product family METRAL 1000
				dr	E. KROPER.	1/25/01	scale		code
				enr	J. VOLSTORF	6/13/01	1:1		213
				chr	J. VOLSTORF	1/25/01	A		sheet
				appd	J. VOLSTORF	1/25/01			3
sheet index	revision sheet								

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PRODUCT NUMBER
98122-XY
98122-XYLF

PRESS-FIT HOLES	OPTION 1
HOLE DIAMETER AFTER PLATING	Ø 0.65-0.80
DRILLED HOLE	Ø 0.81-0.86 (Ø 0.85 DRILL)
COPPER PLATING	0.025 MIN
SnPb PLATING	0.005-0.015

SEE PRINT 58531 FOR ADDITIONAL PCB INFORMATION



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mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
ltr	ecr no.	dr	date	linear	.XX ±.01		COPY		projection	title	
J	-	-	-		.XXX ±.005		MM			HEADER ASS'Y	
					.XXXX ±.0020		←→			STR. P.F. EXT. 5-ROW	
				angles	0° ±2°		scale		product family		code
				dr	E. KROPER.	1/25/01	1:1		METRAL 1000		213
				enr	J. VOLSTORF	6/13/01			size		sheet
				chr	J. VOLSTORF	1/25/01			98122		4
				appd	J. VOLSTORF	1/25/01			A		
sheet index	revision sheet										

SIGNAL PIN CODES

PRODUCT #	ROW	COLUMN					
		1	2	3	4	5	6
98122-X001 SEE NOTE 18 LEAD FREE OPTION	E	03	03	03	03	03	03
	D	02	03	03	03	03	03
	C	03	03	03	03	03	03
	B	03	03	03	03	03	03
	A	03	03	03	03	03	03
	GND	01	01	01	01	01	01

NOTES:

- SEE APPLICATION SPECIFICATION GS-20-010 FOR INFORMATION ON AVAILABLE TOOLING, CURCUIT BOARD DESIGN CONSIDERATIONS, REPAIR PROCEDURES AND PRODUCT OFFERINGS.
- SEE FCI PUBLICATION 950511-028 FOR "ELECTRICAL PERFORMANCE DATA FOR DIFFERENTIAL APPLICATIONS."
- SEE FCI PUBLICATION 950511-029 FOR "ELECTRICAL PERFORMANCE DATA FOR SINGLE-ENDED APPLICATIONS."
- UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994
- HOUSING MATERIAL: LIQUID CRYSTAL POLYMER, 30% GLASS FILLED, FLAME RETARDANT PER UL 94-V0.
- PIN MATERIAL: PHOSPHER BRONZE
- GROUND SPRING MATERIAL: PHOSPHER BRONZE
- PLATING INFORMATION: SEE TABLE
- DIMENSIONAL RESTRICTIONS OF PINS IN HEADERS.
FOR MATING WITH METRAL 1000 RECEPTACLES
DIM A : 5.00mm MIN, 8.00mm MAX FOR ROWS A-E
DIM A : 5.00mm MIN, 5.75mm MAX FOR ROW GND NEXT TO ROW A
DIM C : 5.00mm MIN, 8.00mm MAX FOR ROWS A-E
DIM C : 4.60mm MIN, 6.30mm MAX FOR ROW GND NEXT TO ROW A
FOR MATING WITH METRAL 4000 RECEPTACLES
DIM A : 5.00mm MIN, 6.50mm MAX FOR ROWS A, B, D & E
DIM A : 5.00mm MIN, 8.00mm MAX FOR ROW C
DIM A : 5.00mm MIN, 5.75mm MAX FOR ROW GND NEXT TO ROW A
DIM C : 5.00mm MIN, 7.00mm MAX FOR ROWS A, B, D & E
DIM C : 5.00mm MIN, 8.00mm MAX FOR ROW C
DIM C : 4.60mm MIN, 6.30mm MAX FOR ROW GND NEXT TO ROW A
- THE MIN PCB THICKNESS FOR REAR PLUG-UP APPLICATIONS IS 2.9mm SINCE THE COMPLAINT SECTIONS OF THE GROUND SPRING OF THE HEADER DIRECTLY OPOSE THE GROUND SPRING OF THE SHROUD. THE MIN PCB THICKNESS FOR FRONT PLUG-UP ONLY APPLICATIONS IS 1.6mm.
- THESE HOLES ARE NEEDED FOR REAR PLUG-UP DESIGNS USING A SHROUD AND MAY BE OMITTED FOR FRONT PLUG-UP ONLY DESIGNS.
- THE 'CONNECTOR OUTLINE' IS THE MIN OUTLINE REQUIRED. TO DETERMINE THE OUTLINE NECESSARY TO PERMIT THE VARIOUS TYPES OF REPAIR OPERATIONS, SEE APPLICATION SPECIFICATION GS-20-010.
- CURRENT RATING : 1 AMP PER PIN
- TEMPERATURE RANGE : -55°C TO +105°C
- P/N 98122-X ZZZ

PIN POSITIONS							
PLATING CODE							
- P/N 98122-X01ZZZ SHOWN.

mat'l code				tolerances unless otherwise specified		CUSTOMER	FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX ±.01	COPY	title HEADER ASS'Y STR. P.F. EXT. 5-ROW	
J	-	-	-		.XXX ±.005	projection		
					.XXX ±.0020			
				angles	0° ±2°		product family METRAL 1000 code	
				dr	E. KROPER. 1/25/01	MM ← MM →	size	
				enrg	J. VOLSTORF 6/13/01		dwg no	
				chr	J. VOLSTORF 1/25/01	scale 1:1	98122	
				appd	J. VOLSTORF 1/25/01		213	
sheet index	revision sheet						sheet 5	

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