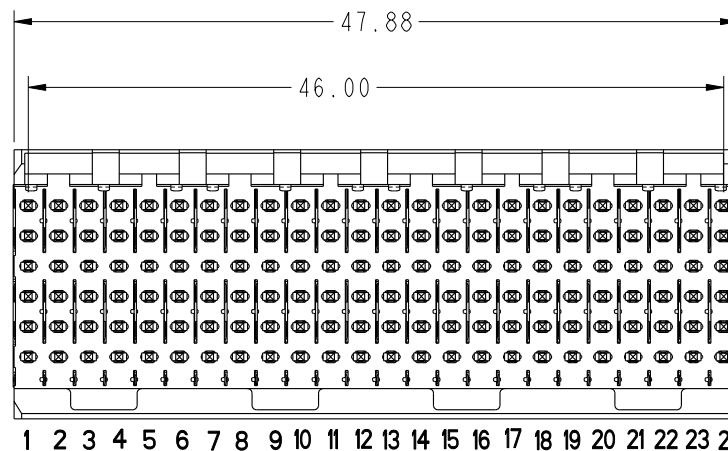
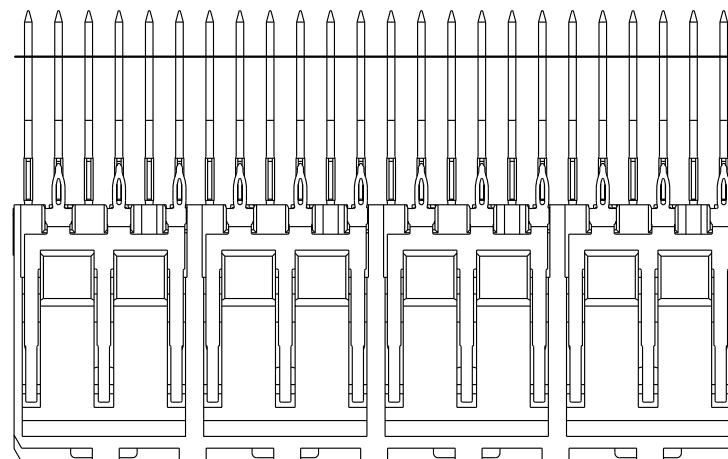
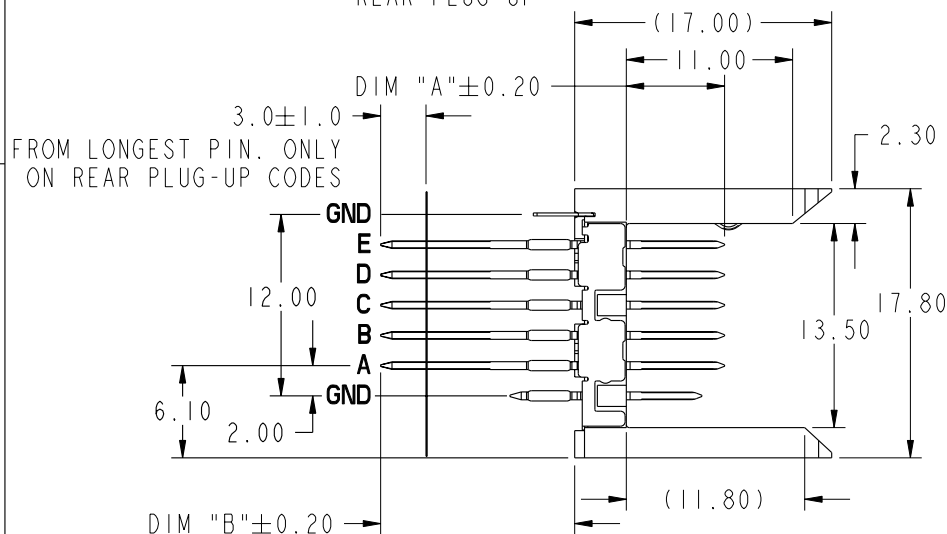
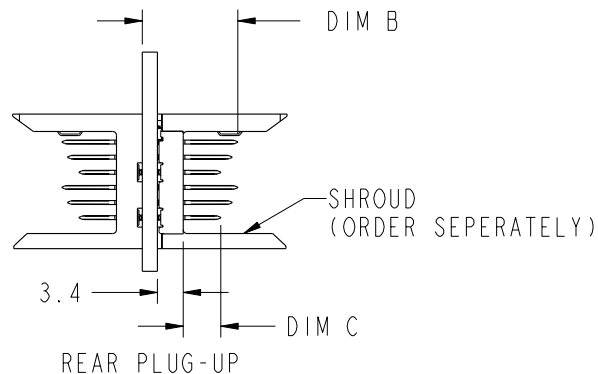
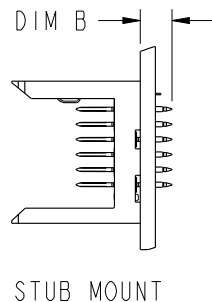
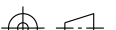




PRODUCT NUMBER
10035400-XZZZ
10035400-XZZZLF



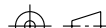
mat'l code				- - -				tolerances unless otherwise specified				CUSTOMER				www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX ±.01				COPY			title HEADER - SELECT LOAD STR. P.F. STD. 5x24					
A	V03-1130	DAI	10/21/03		.XXX ±.005				projection								
B	V03-1156	TAB	11/14/03		.XXXX ±.0020												
C	V04-0399	DAI	05/24/04	angles	0° ±2°						product family METRAL 2000				code		
D	V05-0814	VS	09/20/05	dr	D. INGRAM 10/21/03				scale 1:1		size		dwg no		213		
E	V06-0573	DCH	2006-06-14	enrg	J. VOLSTORF 10/21/03						A		10035400		sheet		
				chr	J. VOLSTORF 10/21/03										1 of 6		
				appd	J. VOLSTORF 10/21/03												
sheet	revision	E	E	E	E	E	E										
index	sheet	1	2	3	4	5	6										



INFORMATION FOR MATING WITH 73981 & 84688 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 THAN THE OTHER PINS.

SEE NOTE 17 LEAD FREE OPTION	CIRCUIT BOARD THICKNESS RANGE FOR REAR PLUG-UP CODES	
PRODUCT NUMBER	MIN	MAX

mat'l code				- - -		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com				
lfr	ecn no.	dr	date	linear	.XX ± .01		COPY		title HEADER - SELECT LOAD STR. P.F. STD. 5x24					
E	-	-	-		.XXX ± .005		projection							
					.XXXX ± .0020									
				angles	0° ± 2°				product family METRAL 2000					
				dr	D. INGRAM 10/21/03		MM					size	dwg no	
				enrg	J. VOLSTROF 10/21/03							213		
				chr	J. VOLSTORF 10/21/03		scale		A		10035400			
				appd	J. VOLSTORF 10/21/03		1:1				sheet 2			
sheet index		revision sheet												



INFORMATION FOR MATING WITH 52057 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

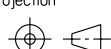
		DIM B								
		4.30	12.20	12.95	13.70	14.45	15.20	15.70	16.40	17.10
MIN THICKNESS		1.60	2.95	2.95	2.95	3.05	3.80	4.30	5.00	5.70
MAX THICKNESS		NONE	3.80	4.55	5.30	6.05	6.80	7.30	8.00	8.70

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 THAN THE OTHER PINS.

mat'l code				tolerances unless otherwise specified				CUSTOMER		 www.fciconnect.com		
ltr	ecn no.	dr	date	linear	.XX ±.01			COPY		title HEADER - SELECT LOAD STR. P.F. STD. 5x24		
E	-	-	-		.XXX ±.005			projection				
					.XXX ±.0020							
					0° ±2°							
				angles						product family METRAL 2000 code size dwg no 213 A 10035400 sheet 3		
				dr	D. INGRAM	10/21/03	scale 1:1					
				enr	J. VOLSTROF	9/24/01						
				chr	J. VOLSTROF	10/21/03						
				appd	J. VOLSTROF	10/21/03						
sheet index		revision sheet								cage code 22526		

SEE NOTE 17
LEAD FREE OPTION

CIRCUIT BOARD THICKNESS RANGE
FOR REAR PLUG-UP CODES

PRODUCT
NUMBER

MIN

MAX

Pro/E

3

cage code 22526

4

PDM: Rev:E

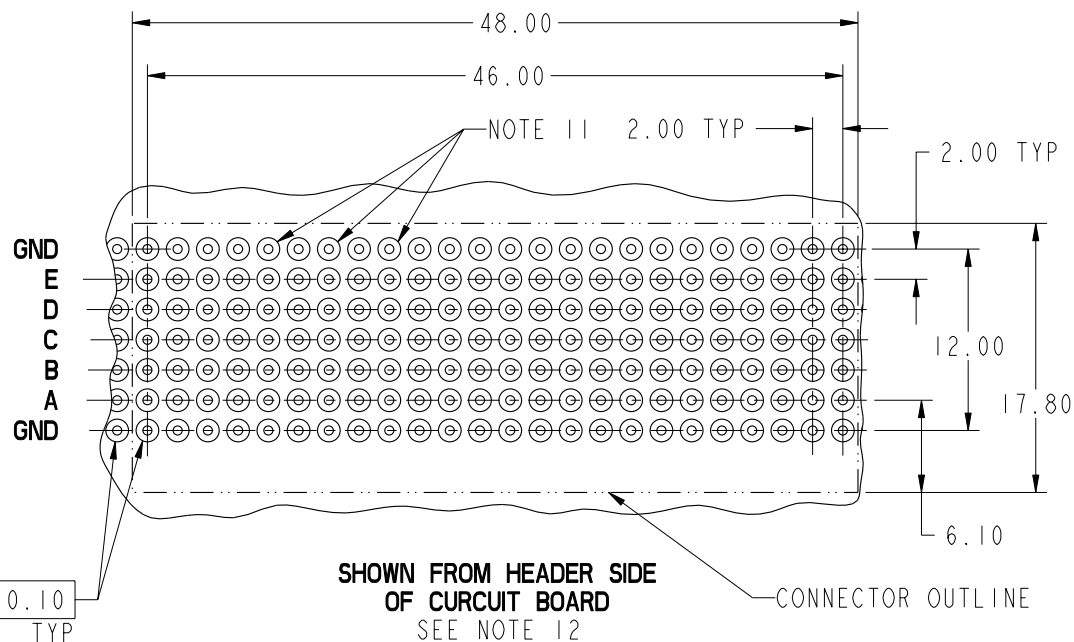
STATUS Released

Printed: Jul 19, 2006

PRODUCT NUMBER
10035400-XZZZ
10035400-XZZZLF

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

SEE PRINT 58351 FOR ADDITIONAL PCB
INFORMATION



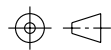
mat'l code				- - -		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX ±.01		COPY		title HEADER - SELECT LOAD STR. P.F. STD. 5x24		
E	-	-	-		.XXX ±.005		projection				
					.XXXX ±.0020						
				angles	0° ±2°				product family METRAL 2000		
				dr	D. INGRAM	10/21/03	scale		size	dwg no	code
				enr	J. VOLSTORF	10/21/03	1:1		A	10035400	213
				chr	J. VOLSTORF	10/21/03					sheet
				appd	J. VOLSTORF	10/21/03					4
sheet index		revision sheet									

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to others without the written consent of FCI.
Copyright FCI.



PRODUCT #	ROW	COLUMN																							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
10035400-X001 SEE NOTE 17 LEAD FREE OPTION	E	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02
	D	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02
	C	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	04	04	
	B	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02
	A	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02
	GND	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02

PRODUCT NUMBER	PIN CONTACT AREAS TO RECEPTACLE	PRESS FIT PIN TO PCB	GROUND SPRING CONTACT FINGERS	GROUND SPRING EON PRESS FIT TO PCB	FOR REAR PLUG-UP APPLICATIONS USE SHROUD
10035400-1ZZZ	0.8μm Au OVER Ni	SnPb OVER Ni	0.8μm Au OVER Ni	SnPb OVER Ni	84818-1YY
10035400-2ZZZ	2.0μm Au OVER Ni	SnPb OVER Ni	1.3μm Au OVER Ni	SnPb OVER Ni	84818-3YY
10035400-3ZZZ	1.3μm Au OVER Ni	SnPb OVER Ni	1.3μm Au OVER Ni	SnPb OVER Ni	84818-3YY
10035400-5ZZZ	1.3μm GXT OVER Ni	SnPb OVER Ni	1.3μm GXT OVER Ni	SnPb OVER Ni	84818-5YY
10035400-9ZZZ	0.8μm GXT OVER Ni	SnPb OVER Ni	0.8μm Au OVER Ni	SnPb OVER Ni	84818-1YY
10035400-AZZZ	0.8μm Au OVER Ni	0.08μm Au OVER Ni	0.8μm Au OVER Ni	SnPb OVER Ni	84818-1YY
10035400-1ZZZLF	0.8μm Au OVER Ni	Sn OVER Ni	0.8μm Au OVER Ni	Sn OVER Ni	84818-1YYLF
10035400-2ZZZLF	2.0μm Au OVER Ni	Sn OVER Ni	1.3μm Au OVER Ni	Sn OVER Ni	84818-3YYLF
10035400-3ZZZLF	1.3μm Au OVER Ni	Sn OVER Ni	1.3μm Au OVER Ni	Sn OVER Ni	84818-3YYLF
10035400-5ZZZLF	1.3μm GXT OVER Ni	Sn OVER Ni	1.3μm GXT OVER Ni	Sn OVER Ni	84818-5YYLF
10035400-9ZZZLF	0.8μm GXT OVER Ni	Sn OVER Ni	0.8μm Au OVER Ni	Sn OVER Ni	84818-1YYLF
10035400-AZZZLF	0.8μm Au OVER Ni	0.08μm Au OVER Ni	0.8μm Au OVER Ni	Sn OVER Ni	84818-1YYLF

mat'l code				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX ±.01		projection	COPY	
E	-	-	-		.XXX ±.005			title	
					.XXXX ±.0020			HEADER - SELECT LOAD	
				angles	0° ±2°			STR. P.F. STD. 5x24	
				dr	D. INGRAM	10/21/03		product family	
				enrg	J. VOLSTROF	10/21/03		METRAL 2000	
				chr	J. VOLSTROF	10/21/03	scale	code	
				appd	J. VOLSTROF	10/21/03		213	
sheet index		revision sheet						sheet	
								5	

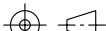
PRODUCT NUMBER
10035400-XZZZ
10035400-XZZZLF

NOTES:

- SEE APPLICATION SPECIFICATION GES-20-010 FOR INFORMATION ON AVAILABLE TOOLING, CIRCUIT 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 APPLICATION."
- UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5, 1994
- HOUSING MATERIAL: LIQUID CRYSTAL POLYMER, 30% GLASS FILLED, FLAME RETARDANT PER UL 94-V0.
- PIN MATERIAL: PHOSPHOR BRONZE
- GROUND SPRING MATERIAL: PHOSPHOR 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 GES-20-010.
- CURRENT RATING: 1 AMP PER PIN
- TEMPERATURE RANGE: -55 C TO +105 C
- P/N 10035400-X ZZZ

PIN POSITIONS
PLATING CODE

- THE PRODUCTS WHERE THE PART NUMBERS ENDS IN LF MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- FOR LEAD FREE PART NUMBERS ADD 'LF' SUFFIX. EXAMPLE: 10035400-XXXXLF.

mat'l code				- - -		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecr no.	dr	date	linear	.XX ±.01		COPY			title HEADER - SELECT LOAD STR. P.F. STD. 5x24	
E	-	-	-		.XXX ±.005						
					.XXXX ±.0020						
				angles	0° ±2°						
				dr	D. INGRAM 10/21/03		 MM scale 1:1		product family METRAL 2000		code
				enrg	J. VOLSTROF 10/21/03				size	dwg no	213
				chr	J. VOLSTROF 10/21/03				A	10035400	sheet
				appd	J. VOLSTROF 10/21/03		6				
sheet index	revision sheet										