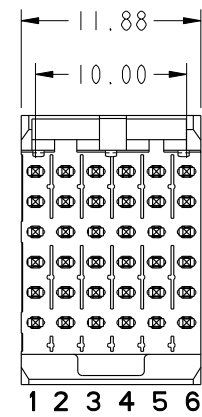
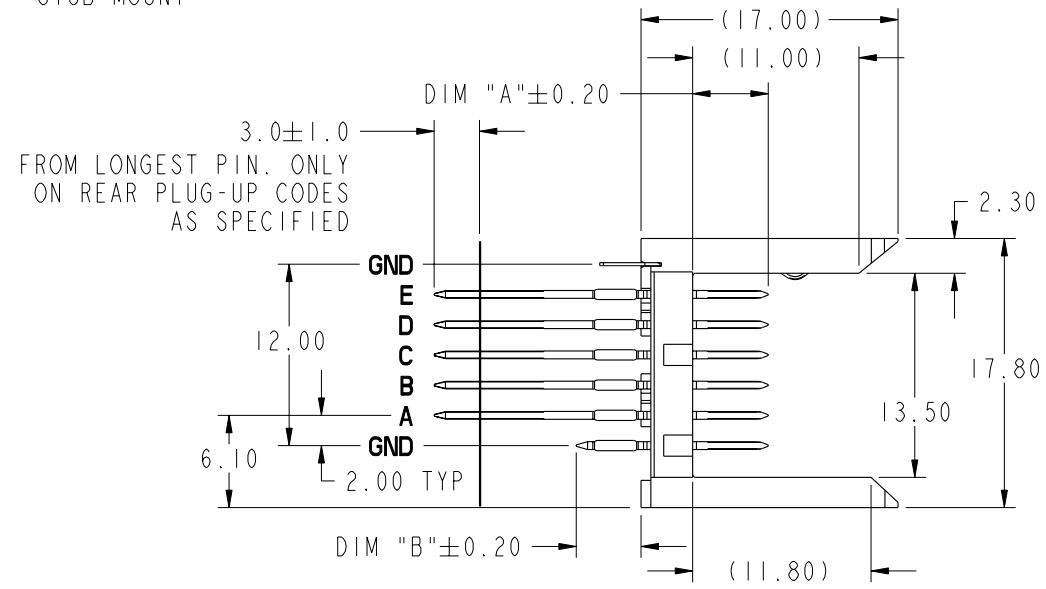
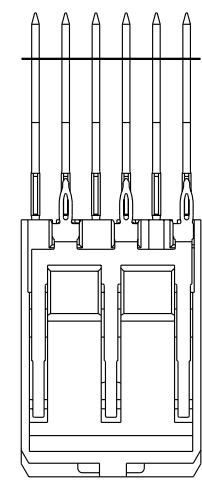
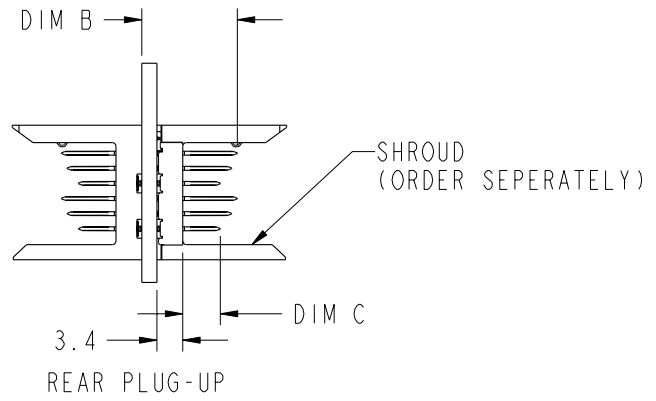
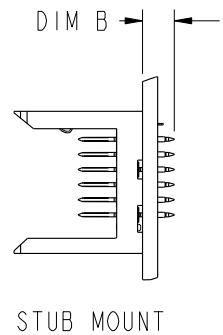


PRODUCT NUMBER
74817-XZZZ
74817-XZZZLF



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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 HEADER - SELECT LOAD STR. P.F. STD. 5x6
AN	V06-0544	DCH	2006-06-09		.XXX ±.005				projection		
AP	V06-0702	LP	2006/07/28		.XXXX ±.0020						
-	-	-	-	angles	0° ±2°						product family METRAL 1000
AJ	V04-0195	LP	2/27/04	dr	K.BELL	3/29/00		MM		code	
AK	V04-0399	DAI	05/24/04	engr	M. HAHN	3/29/00		← MM →		213	
AL	V05-0118	TAB	02/10/05	chr	M. HAHN	3/29/00		scale		sheet	
AM	V05-0806	VS	09/13/05	appd	M. HAHN	3/29/00		2:1		1 of 9	
sheet index	revision sheet	AP 1	AP 2	AP 3	AP 4	AP 5	AP 6	AP 7	AP 8	AP 9	code

Pro/E 3 cage code 22526 4

**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' **

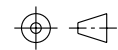
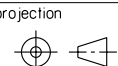

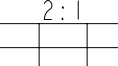
		DIM B								
		4.30	12.20	12.95	13.70	14.45	15.20	15.70	16.40	17.10
MIN THICKNESS		1.60	2.95	3.25	4.00	4.75	5.50	6.00	6.70	7.40
MAX THICKNESS		NONE	4.20	4.95	5.70	6.45	7.20	7.70	8.40	9.10

* STUB PINS - NO REAR PLUG-UP

** THE GREATEST RANGE OCCURS WHEN THE B DIMENSION OF PIN 'GND' IS ONE SIZE SHORTER THEN THE OTHER PINS.

PRODUCT NUMBER	CIRCUIT BOARD THICKNESS RANGE FOR REAR PLUG-UP CODES	
	MIN	MAX
74817-X005	3.25mm	4.55mm
74817-X007	*2.30-2.95mm	5.30mm
74817-X009	*2.30-2.95mm	5.30mm
74817-X011	*2.30-2.95mm	5.30mm
74817-X012	*2.30-2.95mm	5.30mm
74817-X013	*2.30-2.95mm	5.30mm
74817-X014	*5.70mm	8.70mm
74817-X024	*2.30-2.95mm	5.30mm
74817-X026	3.80mm	6.80mm
74817-X027	3.80mm	6.80mm
74817-X028	3.80mm	6.80mm
74817-X034	*2.30-2.95mm	5.30mm
74817-X040	4.00mm	5.30mm
74817-X042	3.25mm	4.95mm
74817-X044	2.95mm	3.80mm
74817-X046	*2.95mm	3.80mm

* NOT A STANDARD METRAL 1000 REAR PLUG-UP APPLICATION.

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. 5x6
AP	-	-	-		.XXX ±.005		projection		
					.XXXX ±.0020		 0° ±2°		
				angles	0° ±2°		 MM		product family METRAL 1000
				dr	K. BELL	3/29/00	scale		code
				engr	M. HAHN	3/29/00	2:1		213
				chr	M. HAHN	3/29/00	A		sheet
				appd	M. HAHN	3/29/00			2
sheet index	revision sheet								

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**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 THEN THE OTHER PINS.

PRODUCT NUMBER	CIRCUIT BOARD THICKNESS RANGE FOR REAR PLUG-UP CODES	
	MIN	MAX
74817-X005	3.25mm	4.55mm
74817-X007	**	**
74817-X009	**	**
74817-X011	*2.30-3.30mm	5.30mm
74817-X012	*2.30-3.30mm	5.30mm
74817-X013	*2.30-3.30mm	5.30mm
74817-X014	*6.70mm	8.70mm
74817-X024	*2.30-3.30mm	5.30mm
74817-X026	*2.30-4.80mm	6.80mm
74817-X027	*2.30-4.80mm	6.80mm
74817-X028	4.80mm	6.80mm
74817-X034	**	**
74817-X040	**	**
74817-X042	**	**
74817-X044	**	**
74817-X046	*2.95mm	3.80mm

- * NOT A STANDARD METRAL 1000 REAR PLUG-UP APPLICATION.
- ** CANNOT BE MATED TO A METRAL 4000 RECEPTACLE

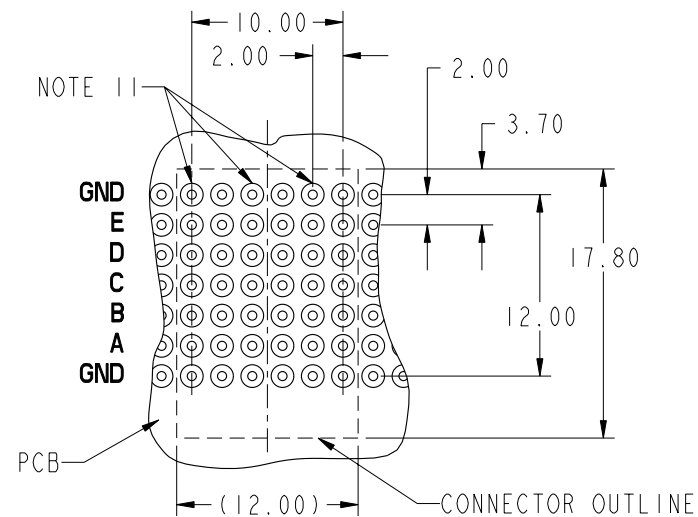
mat'l code				tolerances unless otherwise specified		CUSTOMER		FCj	
ltr	ecn no.	dr	date	linear	.XX ±.01		COPY		www.fciconnect.com
AP	-	-	-		.XXX ±.005		projection		
					.XXXX ±.0020				
				angles	0° ±2°				title HEADER - SELECT LOAD STR. P.F. STD. 5x6
				dr	K. BELL	3/29/00	product family METRAL 1000		
				engr	M. HAHN	3/29/00	code		213
				chr	M. HAHN	3/29/00	size		sheet
				appd	M. HAHN	3/29/00	dwg no		3
sheet index		revision sheet		scale		1:1		A	

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PRODUCT NUMBER
74817-XZZZ
74817-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



RECOMMENDED PCB HOLE PATTERN
(COMPONENT SIDE)
NOTE 13



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mat'l code		--		tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com	
ltr	ecm no.	dr	date	linear	.XX ± .01		COPY		title HEADER - SELECT LOAD STR. P.F. STD. 5x6
AP	-	-	-		.XXX ± .005		projection		
					.XXX ± .0020				
				angles	0° ± 2°				product family METRAL 1000 code size dwg no 74817 sheet 4
				dr	K. BELL	3/29/00	MM		
				engr	M. HAHN	3/29/00	scale 2:1		
				chr	M. HAHN	3/29/00	A		cage code 22526
				appd	M. HAHN	3/29/00			
sheet index	revision sheet								

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1 2							3							4																	
METRAL P/N	ROW	CONTACT CODE						METRAL P/N	ROW	CONTACT CODE						METRAL P/N	ROW	CONTACT CODE													
74817-X001 ** SEE NOTE 17 LEAD FREE OPTION	E	4	3	3	1	1	1	74817-X006 ** SEE NOTE 17 LEAD FREE OPTION	E	19	3	3	3	2	1	74817-X011 *RPU SEE NOTE 17 LEAD FREE OPTION	E	5	5	5	5	5	5	74817-X016 SEE NOTE 17 LEAD FREE OPTION	E	2	2	2	2	2	2
	D	4	3	3	1	1	1		D	19	3	3	3	2	1		D	5	5	5	5	5	5		D	2	2	2	2	2	2
	C	4	3	3	1	1	1		C	19	3	3	3	2	1		C	5	5	5	5	5	5		C	4	4	4	4	4	4
	B	4	3	3	1	1	1		B	19	3	3	3	2	1		B	5	5	5	5	5	5		B	1	2	2	2	2	2
	A	4	3	3	1	1	1		A	19	3	3	3	2	1		A	5	5	5	5	5	5		A	2	2	2	2	2	2
GND	1	1	1	1	1	1	GND	1	1	1	1	1	1	GND	1	1	1	1	1	1	GND	2	2	2	2	2	2				
74817-X002 ** SEE NOTE 17 LEAD FREE OPTION	E	1	1	1	1	3	4	74817-X007 *RPU ** SEE NOTE 17 LEAD FREE OPTION	E	20	7	7	7	6	5	74817-X012 *RPU SEE NOTE 17 LEAD FREE OPTION	E	2	2	6	6	6	6	74817-X017 SEE NOTE 17 LEAD FREE OPTION	E	1	1	1	1	1	1
	D	1	1	1	1	3	4		D	20	7	7	7	6	5		D	2	2	6	6	6	6		D	1	1	1	1	1	1
	C	1	1	1	1	3	4		C	20	7	7	7	6	5		C	2	2	6	6	6	6		C	3	3	3	3	3	3
	B	1	1	1	1	3	4		B	20	7	7	7	6	5		B	2	2	6	6	6	6		B	1	1	1	1	1	1
	A	1	1	1	1	3	4		A	20	7	7	7	6	5		A	2	2	6	6	6	6		A	1	1	1	1	1	1
GND	1	1	1	1	1	1	GND	1	1	1	1	1	1	GND	1	1	1	1	1	1	GND	1	1	1	1	1	1				
74817-X003 ** SEE NOTE 17 LEAD FREE OPTION	E	2	3	2	2	4	19	74817-X008 ** SEE NOTE 17 LEAD FREE OPTION	E	19	3	3	3	3	3	74817-X013 *RPU SEE NOTE 17 LEAD FREE OPTION	E	6	6	6	6	2	2	74817-X018 SEE NOTE 17 LEAD FREE OPTION	E	3	2	2	1	1	1
	D	2	3	2	2	4	19		D	19	3	3	3	3	3		D	6	6	6	6	2	2		D	3	2	2	1	1	1
	C	2	3	2	2	4	19		C	19	3	3	3	3	3		C	6	6	6	6	2	2		C	3	2	2	3	3	3
	B	2	3	2	2	4	19		B	19	3	3	3	3	3		B	6	6	6	6	2	2		B	3	2	2	1	1	1
	A	2	3	2	2	4	19		A	19	3	3	3	3	3		A	6	6	6	6	2	2		A	3	2	2	1	1	1
GND	1	1	1	1	1	1	GND	1	1	1	1	1	1	GND	1	1	1	1	1	1	GND	1	1	1	1	1	1				
74817-X004 ** SEE NOTE 17 LEAD FREE OPTION	E	3	2	2	4	19	2	74817-X009 *RPU ** SEE NOTE 17 LEAD FREE OPTION	E	20	7	7	7	7	7	74817-X014 *RPU SEE NOTE 17 LEAD FREE OPTION	E	10	10	10	10	10	10	74817-X019 SEE NOTE 17 LEAD FREE OPTION	E	1	1	1	2	2	3
	D	3	2	2	4	19	2		D	20	7	7	7	7	7		D	10	10	10	10	10	10		D	1	1	1	2	2	3
	C	3	2	2	4	19	2		C	20	7	7	7	7	7		C	10	10	10	10	10	10		C	3	3	3	2	2	3
	B	3	2	2	4	19	2		B	20	7	7	7	7	7		B	10	10	10	10	10	10		B	1	1	1	2	2	3
	A	3	2	2	4	19	2		A	20	7	7	7	7	7		A	10	10	10	10	10	10		A	1	1	1	2	2	3
GND	1	1	1	1	1	1	GND	1	1	1	1	1	1	GND	1	1	1	1	1	1	GND	1	1	1	1	1	1				
74817-X005 *RPU SEE NOTE 17 LEAD FREE OPTION	E	6	6	6	6	6	6	74817-X010 SEE NOTE 17 LEAD FREE OPTION	E	3	3	3	3	3	3	74817-X015 SEE NOTE 17 LEAD FREE OPTION	E	2	2	2	2	2	2	74817-X023 ** SEE NOTE 17 LEAD FREE OPTION	E	1	3	3	3	1	1
	D	6	6	6	6	6	6		D	2	3	3	3	3	3		D	2	2	2	2	2	2		D	1	3	3	3	1	1
	C	30	6	6	6	6	6		C	3	3	3	3	3	3		C	4	4	4	4	4	4		C	1	1	1	1	1	19
	B	6	6	6	6	6	6		B	3	3	3	3	3	3		B	2	2	2	2	2	2		B	1	1	1	1	1	19
	A	6	6	6	6	6	6		A	3	3	3	3	3	3		A	2	2	2	2	2	2		A	1	1	1	19	19	19
GND	30	30	30	30	30	30	GND	1	1	1	1	1	1	GND	2	2	2	2	2	2	GND	1	1	1	1	1	1				

* REAR PLUG-UP CODES WITH PIN ALIGNER
 ** CANNOT BE MATED TO A METRAL 4000 RECEPTACLE
 *** REAR PLUG-UP CODES WITHOUT PIN ALIGNER

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		FCJ www.fcjconnect.com	
ltr	ecr no.	dr	date	linear	.XX ±.01		COPY		title		
AP	-	-	-		.XXX ±.005		projection		HEADER - SELECT LOAD		
					.XXXX ±.0020				STR. P.F. STD. 5x6		
				angles	0° ±2°				product family		code
					dr	K. BELL	3/29/00	MM		METRAL 1000	
				enrg	M. HAHN	3/29/00	← MM →		size		sheet
				chr	M. HAHN	3/29/00	scale		dwg no		5
				appd	M. HAHN	3/29/00	2:1		A		74817
sheet index	revision sheet										

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METRAL P/N							CONTACT CODE																				
ROW	1	2	3	4	5	6	ROW	1	2	3	4	5	6														
74817-X024 *RPU SEE NOTE 17 LEAD FREE OPTION	E	5	5	5	5	5	74817-X029 SEE NOTE 17 LEAD FREE OPTION	E	1	1	1	1	1	74817-X034 *RPU ** SEE NOTE 17 LEAD FREE OPTION	E	5	20	5	5	5	74817-X039 ** SEE NOTE 17 LEAD FREE OPTION	E	1	1	1	1	1
	D	5	5	5	5	5		D	1	1	1	1	2		D	5	20	5	5	5		D	1	1	1	1	1
	C	5	5	5	5	5		C	1	1	1	1	1		C	5	20	5	5	5		C	1	1	1	1	1
	B	5	5	5	5	5		B	1	1	1	1	1		B	5	20	5	5	5		B	1	1	1	1	1
	A	5	5	5	5	5		A	1	1	3	1	3		A	5	20	5	5	5		A	1	4	1	1	1
GND	1	1	1	1	1	GND	1	1	1	1	1	GND	1	1	1	1	1	GND	1	1	1	1	1				

METRAL P/N							CONTACT CODE																				
ROW	1	2	3	4	5	6	ROW	1	2	3	4	5	6														
74817-X025 ** SEE NOTE 17 LEAD FREE OPTION	E	1	19	1	1	1	74817-X030 SEE NOTE 17 LEAD FREE OPTION	E	2	2	2	2	2	74817-X035 SEE NOTE 17 LEAD FREE OPTION	E	2	2	2	2	2	74817-X040 *RPU ** SEE NOTE 17 LEAD FREE OPTION	E	8	6	6	6	6
	D	1	19	1	1	1		D	2	2	2	2	2		D	2	2	2	2	2		D	8	6	6	6	6
	C	1	19	1	1	1		C	19	19	19	19	19		C	3	3	3	3	3		C	6	6	6	6	6
	B	1	19	1	1	1		B	2	2	2	2	2		B	1	2	2	2	2		B	8	6	6	6	6
	A	1	19	1	1	1		A	3	2	3	2	1		A	1	2	2	2	2		A	8	6	6	6	6
GND	1	1	1	1	1	GND	1	1	1	1	1	GND	1	1	1	1	1	GND	6	6	6	6	6				

METRAL P/N							CONTACT CODE																					
ROW	1	2	3	4	5	6	ROW	1	2	3	4	5	6															
74817-X026 *RPU SEE NOTE 17 LEAD FREE OPTION	E	2	2	49	49	49	74817-X031 SEE NOTE 17 LEAD FREE OPTION	E	2	2	2	2	2	74817-X036 SEE NOTE 17 LEAD FREE OPTION	E	2	2	2	2	2	74817-X041 ** SEE NOTE 17 LEAD FREE OPTION	E	2	2	2	2	2	
	D	2	2	49	49	49		D	2	2	2	2	2		D	2	2	2	2	2		D	2	2	2	2	2	
	C	2	2	49	49	49		C	19	19	19	19	19		C	1	1	1	1	3		2	C	2	2	2	2	2
	B	2	2	49	49	49		B	2	2	2	2	2		B	1	1	2	2	2		2	B	2	2	2	2	2
	A	2	2	49	49	49		A	1	3	2	3	2		A	2	2	2	2	2		2	A	2	2	2	2	2
GND	1	1	1	1	1	GND	1	1	1	1	1	GND	1	1	1	1	1	1	GND	1	1	1	1	1	1			

METRAL P/N							CONTACT CODE																				
ROW	1	2	3	4	5	6	ROW	1	2	3	4	5	6														
74817-X027 *RPU SEE NOTE 17 LEAD FREE OPTION	E	49	49	49	49	2	74817-X032 SEE NOTE 17 LEAD FREE OPTION	E	2	2	2	2	2	74817-X037 SEE NOTE 17 LEAD FREE OPTION	E	2	2	2	2	2	74817-X042 *RPU ** SEE NOTE 17 LEAD FREE OPTION	E	8	6	6	6	6
	D	49	49	49	49	2		D	2	2	2	2	2		D	2	2	2	2	2		D	8	6	6	6	6
	C	49	49	49	49	2		C	19	19	19	19	19		C	1	2	2	2	2		C	8	6	6	6	6
	B	49	49	49	49	2		B	2	2	2	2	2		B	1	1	1	1	1		B	8	6	6	6	6
	A	49	49	49	49	2		A	2	2	2	2	1		A	2	2	2	2	2		A	8	6	6	6	6
GND	1	1	1	1	1	GND	1	1	1	1	1	GND	1	1	1	1	1	GND	30	30	30	30	30	30			

METRAL P/N							CONTACT CODE																				
ROW	1	2	3	4	5	6	ROW	1	2	3	4	5	6														
74817-X028 *RPU SEE NOTE 17 LEAD FREE OPTION	E	49	49	49	49	49	74817-X033 SEE NOTE 17 LEAD FREE OPTION	E	2	2	2	2	2	74817-X038 SEE NOTE 17 LEAD FREE OPTION	E	2	2	2	2	2	74817-X043 ** SEE NOTE 17 LEAD FREE OPTION	E	3	3	3	3	3
	D	49	49	49	49	49		D	2	2	2	2	2		D	2	2	2	2	2		D	3	3	3	3	3
	C	49	49	49	49	49		C	19	19	19	19	19		C	2	2	2	2	2		C	3	3	3	3	3
	B	49	49	49	49	49		B	2	2	2	2	2		B	2	2	2	2	2		B	3	3	3	3	3
	A	49	49	49	49	49		A	1	2	2	2	3		A	2	2	2	3	2		A	19	19	19	19	19
GND	1	1	1	1	1	GND	1	1	1	1	1	GND	-	-	-	-	-	GND	1	1	1	1	1	1			

* REAR PLUG-UP CODES WITH PIN ALIGNER
 ** CANNOT BE MATED TO A METRAL 4000 RECEPTACLE
 *** REAR PLUG-UP CODES WITHOUT PIN ALIGNER

mat'l code				tolerances unless otherwise specified		CUSTOMER	FCJ	
ltr	ecn no.	dr	date	linear	angles	COPY	projection	title
AP	-	-	-					HEADER - SELECT LOAD STR. P.F. STD. 5x6
								product family METRAL 1000
				dr	K. BELL	3/29/00		code 213
				enrg	M. HAHN	3/29/00		sheet 6
				chr	M. HAHN	3/29/00		
				appd	M. HAHN	3/29/00		
sheet index	revision sheet							

METRAL P/N	ROW	CONTACT CODE					
		1	2	3	4	5	6
74817-X044 *RPU ** SEE NOTE 17 LEAD FREE OPTION	E	45	45	45	45	45	45
	D	45	45	45	45	22	45
	C	45	45	45	45	45	45
	B	45	45	45	45	45	45
	A	47	47	47	47	47	47
GND	22	22	22	22	22	22	

METRAL P/N	ROW	CONTACT CODE					
		1	2	3	4	5	6
74817-X048 SEE NOTE 17 LEAD FREE OPTION	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	4
	B	2	2	2	2	2	2
	A	2	2	2	2	2	2
GND	2	2	2	2	2	2	

METRAL P/N	ROW	CONTACT CODE					
		1	2	3	4	5	6
74817-X052 ***RPU SEE NOTE 17 LEAD FREE OPTION	E	5	5	5	5	5	5
	D	5	5	5	5	5	5
	C	5	5	5	5	5	5
	B	5	5	5	5	5	5
	A	5	5	5	5	5	5
GND	1	1	1	1	1	1	

METRAL P/N	ROW	CONTACT CODE					
		1	2	3	4	5	6
74817-X056 SEE NOTE 17 LEAD FREE OPTION	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	4	2	2	2	2	2
	B	2	2	2	2	2	2
	A	2	2	2	2	2	2
GND	-	2	2	2	2	-	

METRAL P/N	ROW	CONTACT CODE					
		1	2	3	4	5	6
74817-X045 SEE NOTE 17 LEAD FREE OPTION	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	2	1	2	2	2	2
GND	1	1	1	1	1	1	

METRAL P/N	ROW	CONTACT CODE					
		1	2	3	4	5	6
74817-X049 SEE NOTE 17 LEAD FREE OPTION	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	4	2	2	2	2	2
	B	2	2	2	2	2	2
	A	2	2	2	2	2	2
GND	2	2	2	2	2	2	

METRAL P/N	ROW	CONTACT CODE					
		1	2	3	4	5	6
74817-X053 ***RPU SEE NOTE 17 LEAD FREE OPTION	E	5	20	5	5	5	5
	D	5	20	5	5	5	5
	C	5	20	5	5	5	5
	B	5	20	5	5	5	5
	A	5	20	5	5	5	5
GND	1	1	1	1	1	1	

METRAL P/N	ROW	CONTACT CODE					
		1	2	3	4	5	6
74817-X046 *RPU SEE NOTE 17 LEAD FREE OPTION	E	22	22	22	22	22	22
	D	22	22	22	22	22	22
	C	45	45	45	45	45	45
	B	22	22	22	22	22	22
	A	22	22	22	22	22	22
GND	1	22	22	22	22	1	

METRAL P/N	ROW	CONTACT CODE					
		1	2	3	4	5	6
74817-X050 ** SEE NOTE 17 LEAD FREE OPTION	E	2	2	2	2	2	4
	D	2	2	2	2	2	4
	C	2	2	2	2	2	4
	B	2	2	2	2	2	4
	A	2	1	2	2	2	4
GND	2	2	2	2	2	2	

METRAL P/N	ROW	CONTACT CODE					
		1	2	3	4	5	6
74817-X054 ***RPU SEE NOTE 17 LEAD FREE OPTION	E	22	22	22	22	22	22
	D	22	22	22	22	22	22
	C	45	45	45	45	45	45
	B	22	22	22	22	22	22
	A	22	22	22	22	22	22
GND	1	22	22	22	22	1	

METRAL P/N	ROW	CONTACT CODE					
		1	2	3	4	5	6
74817-X047 SEE NOTE 17 LEAD FREE OPTION	E	2	1	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	2	2	2	2	2	2
GND	1	1	1	1	1	1	

METRAL P/N	ROW	CONTACT CODE					
		1	2	3	4	5	6
74817-X051 ** SEE NOTE 17 LEAD FREE OPTION	E	4	2	2	2	2	2
	D	4	2	2	2	2	2
	C	4	2	2	2	2	2
	B	4	2	2	2	2	2
	A	4	1	2	2	2	2
GND	2	2	2	2	2	2	

METRAL P/N	ROW	CONTACT CODE					
		1	2	3	4	5	6
74817-X055 ** SEE NOTE 17 LEAD FREE OPTION	E	4	2	2	2	2	2
	D	4	2	2	2	2	2
	C	4	2	2	2	2	2
	B	4	2	2	2	2	2
	A	4	2	2	2	2	2
GND	-	2	2	2	2	-	

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- ** CANNOT BE MATED TO A METRAL 4000 RECEPTACLE
- *** REAR PLUG-UP CODES WITHOUT PIN ALIGNER

mat'l code				tolerances unless otherwise specified		CUSTOMER	FCJ www.fcjconnect.com		
ltr	ecn no.	dr	date	linear	.XX ±.01	projection	COPY		
AP	-	-	-		.XXX ±.005			title HEADER - SELECT LOAD STR. P.F. STD. 5x6	
					.XXX ±.0020			product family METRAL 1000 code	
				angles	0° ±2°		size		
				dr	K. BELL 3/29/00		A	dwg no	
				engr	M. HAHN 3/29/00			74817	
				chr	M. HAHN 3/29/00			sheet	
				appd	M. HAHN 3/29/00	7			
sheet index	revision sheet					scale	2:1		

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PRODUCT NUMBER
74817-XZZZ
74817-XZZZLF

NOTES:

- SEE APPLICATION SPECIFICATION GES-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 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: 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 GES-20-010.
- CURRENT RATING: 1 AMP PER PIN
- TEMPERATURE RANGE: -55°C TO +105°C
- P/N 74817-X ZZZ



mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX ±.01		COPY		title HEADER - SELECT LOAD STR. P.F. STD. 5x6 product family METRAL 1000 code 213 size dwg no 74817 sheet 8		
AP	-	-	-		.XXX ±.005		projection				
					.XXX ±.0020						
				angles	0° ±2°						
				dr	K. BELL	3/29/00	scale				
				engr	J. VOLSTORF	05-23-01	2:1				
				chr	M. HAHN	3/29/00					
				appd	M. HAHN	3/29/00					
sheet index	revision sheet										



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