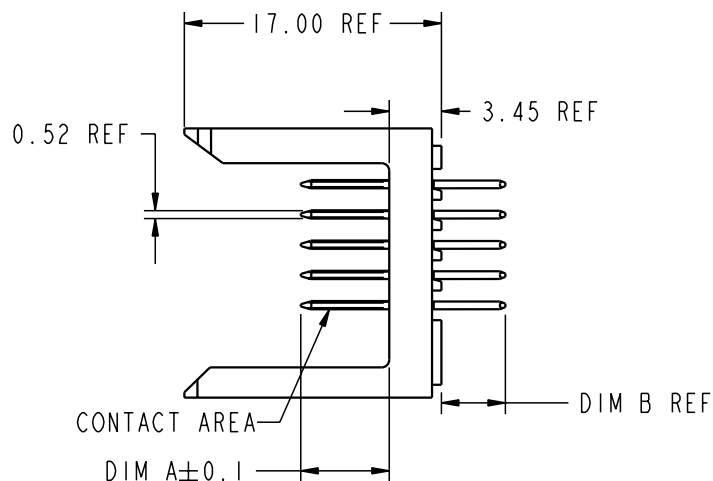
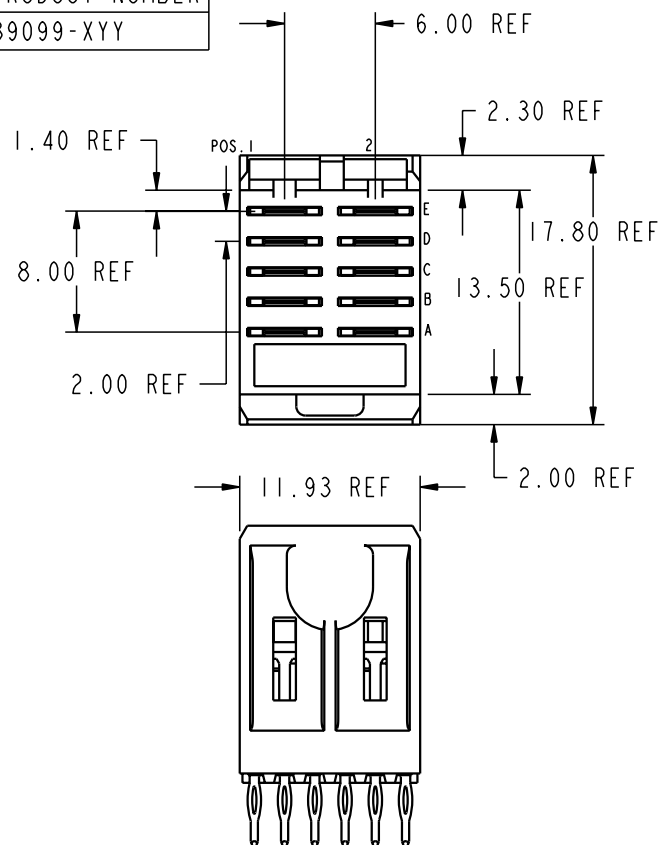


PRODUCT NUMBER
89099-XXX



- (NOTES:
- FOR DIM A AND B SEE SHEET 2 AND UP.
 - BODY MATERIAL: LIQUID CRYSTAL POLYMER 30 % GLASS. FLAME RETARDANT ACC. UL 94-V0.
 - PIN MATERIAL: PHOSPHOR BRONZE.
 - PLATING ON PRESS-FIT TAIL AREA SnPb. PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE LEVEL SHOWN IN TABLE BELOW.
 - PRODUCT MARKING: PART NUMBER DESIGNATION & BATCH I.D.
 - ALL PRODUCTS WITH PART NUMBERS SHOWN IN SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES. IF TRAY PACKAGING IS REQUIRED, A SUFFIX "P" WILL BE ADDED TO THE END OF THE PART NUMBER. EXAMPLE: XXXXX-XXXP
 - PRODUCT MAY ALSO BE AVAILABLE WITH AN ALTERNATIVE PRESS-FIT SECTION. THE PART NUMBERS FOR THIS ALTERNATIVE PRODUCT WILL BE THE SAME AS THE BASE NUMBERS SHOWN IN SUBSEQUENT TABLES WITH THE ADDITION OF THE SUFFIX "H". EXAMPLE: XXXXX-XXXH

PLATING IN CONTACT AREA	
DASH NUMBER	PERFORMANCE LEVEL
-1YY	TELCORDIA CO
-2YY	TELECOM CLASS
-3YY	IEC CLASS I
-5YY	TELCORDIA UE
-9YY	0.76µm GXT

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI ELECTRONICS	
lfr	ecr no.	dr	date			COPY		www.fciconnect.com	
T	V02643	JWS	10/18/00	linear	0.X ±0.3	projection		title	METRAL POWER HEADER
U	V10001	TAB	01/05/01		0.XX ±0.13				I MOD, 5 ROW PRESS-FIT
V	V11507	JWS	04/27/01	angles	.XXX ±.051			product family	METRAL
W	V11793	LSS	08/01/01	dr	0° ±2°			size	213
X	V12211	TAB	09/06/01	enrg		MM		dwg no	89099
				chr	T.BRUNGARD 11/19/99	scale			sheet
				appd	M.STRAWSER 11/19/99	2:1			1 of 6
					M.STRAWSER 02/29/00				
sheet index	revision sheet	X	X	X	X	X			
		1	2	3	4	5			

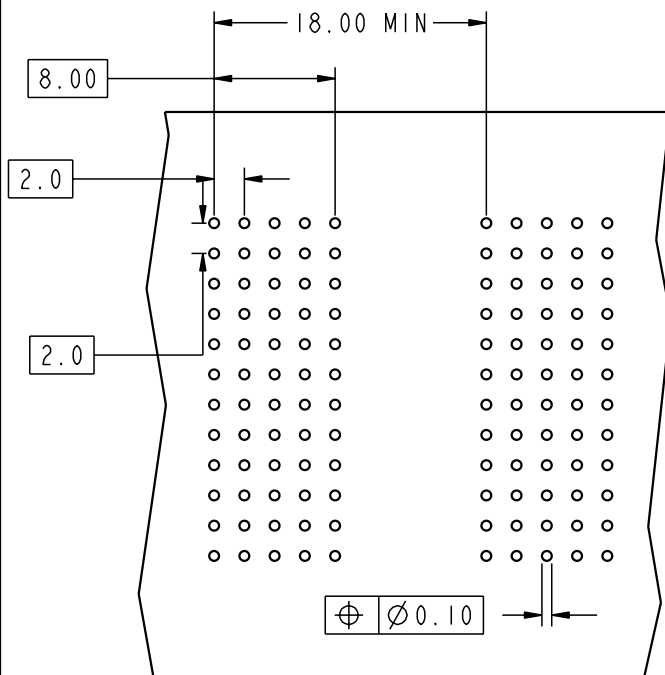
cage code 22526

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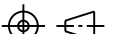
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REQUIRED PC BOARD LAYOUT
COMPONENT SIDE

SEE PRINT 58351 FOR ADDITIONAL
PCB INFORMATION.

KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
P01	6.50	4.30
P02	7.25	4.30
P03	8.00	4.30
P04	6.50	13.60
P05	7.25	13.60
P06	8.00	13.60
P07	6.50	17.00
P08	7.25	17.00
P09	8.00	17.00
P16	5.00	4.30
P17	5.75	4.30

mat'l code				tolerances unless otherwise specified		CUSTOMER		 ELECTRONICS www.fciconnect.com	
lir	ecn no.	dr	date	linear	0.X ±0.3	COPY		title METAL POWER HEADER 1 MOD, 5 ROW PRESS-FIT	
X					0.XX ±0.13	projection 			
					.XXX ±.051				
				angles	0° ±2°	 scale 2:1		product family METAL	code 213 sheet 2
				dr	T.BRUNGARD 11/19/99				
				engr	M.STRAWSER 11/19/99				
				chr	M.STRAWSER 11/19/99	size		dwg no	89099
				appd	M.STRAWSER 02/29/00	A			
sheet index		revision sheet							

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B

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X01	E	P16	P16
	D	P16	P16
	C	P16	P16
	B	P16	P16
	A	P16	P16
89099-X02	E	P16	P16
	D	P16	P16
	C	P16	P16
	B	P16	P16
	A	P01	P01
89099-X03	E	P17	P17
	D	P01	P01
	C	P17	P17
	B	P17	P17
	A	P01	P01
89099-X04	E	P17	P17
	D	P17	P17
	C	P17	P17
	B	P02	P02
	A	P17	P17

1 2

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X05	E	P01	P01
	D	P01	P01
	C	P02	P02
	B	P03	P03
	A	P03	P03
89099-X06	E	P17	P17
	D	P17	P17
	C	P17	P17
	B	P17	P17
	A	P17	P17
89099-X07	E	P02	P02
	D	P02	P02
	C	P02	P02
	B	P02	P02
	A	P02	P02
89099-X10	E	P01	P01
	D	P01	P01
	C	P02	P02
	B	P03	P03
	A	P02	P02

3

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X11	E	P01	P01
	D	P01	P01
	C	P01	P01
	B	P01	P01
	A	P01	P01
89099-X12	E	P01	P01
	D	P01	P01
	C	P01	P01
	B	P03	P03
	A	P01	P01
89099-X13	E	P01	P01
	D	P01	P01
	C	P02	P02
	B	P03	P03
	A	P03	P03
89099-X14	E	P03	P03
	D	P03	P03
	C	P03	P03
	B	P03	P03
	A	P03	P03

4

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X15	E	P02	P02
	D	P02	P02
	C	P02	P02
	B	P02	P02
	A	P02	P02
89099-X16	E	P01	P01
	D	P01	P01
	C	P02	P02
	B	P02	P02
	A	P03	P03
89099-X17	E	P01	P01
	D	P01	P01
	C	P01	P01
	B	P01	P01
	A	P03	P03
89099-X18	E	P01	P01
	D	P01	P01
	C	P03	P03
	B	P03	P03
	A	P03	P03

A

B

mat'l code				tolerances unless otherwise specified				CUSTOMER		ELECTRONICS www.fciconnect.com			
lfr	ecr no.	dr	date	linear	0.X ±0.3		projection	COPY		title			
X					0.XX ±0.13					METRAL POWER HEADER			
					.XXX ±0.051					1 MOD, 5 ROW PRESS-FIT			
					0° ±2°								
				angles				MM		product family			
				dr	T.BRUNGARD	11/19/99		METRAL		code			
				enqr	M.STRAWSER	11/19/99		size		213			
				chr	M.STRAWSER	11/19/99		dwg no		sheet			
				appd	M.STRAWSER	02/29/00	scale		A		3		
sheet		revision											
index		sheet											
				Pro/E				3		cage code			
										22526			
										4			

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B

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X20	E	P04	P04
	D	P04	P04
	C	P05	P05
	B	P06	P06
	A	P05	P05

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X21	E	P04	P04
	D	P04	P04
	C	P04	P04
	B	P04	P04
	A	P04	P04

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X22	E	P04	P04
	D	P04	P04
	C	P04	P04
	B	P06	P06
	A	P04	P04

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X23	E	P04	P04
	D	P04	P04
	C	P05	P05
	B	P06	P06
	A	P06	P06

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METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X24	E	P06	P06
	D	P06	P06
	C	P06	P06
	B	P06	P06
	A	P06	P06

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X25	E	P05	P05
	D	P05	P05
	C	P05	P05
	B	P05	P05
	A	P05	P05

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X26	E	P04	P04
	D	P04	P04
	C	P05	P05
	B	P05	P05
	A	P06	P06

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X27	E	P04	P04
	D	P04	P04
	C	P04	P04
	B	P04	P04
	A	P06	P06

3

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X28	E	P04	P04
	D	P04	P04
	C	P06	P06
	B	P06	P06
	A	P06	P06

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X30	E	P07	P07
	D	P07	P07
	C	P08	P08
	B	P09	P09
	A	P08	P08

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X31	E	P07	P07
	D	P07	P07
	C	P07	P07
	B	P07	P07
	A	P07	P07

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X32	E	P07	P07
	D	P07	P07
	C	P07	P07
	B	P09	P09
	A	P07	P07

4

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X33	E	P07	P07
	D	P07	P07
	C	P08	P08
	B	P09	P09
	A	P09	P09

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X34	E	P09	P09
	D	P09	P09
	C	P09	P09
	B	P09	P09
	A	P09	P09

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X35	E	P08	P08
	D	P08	P08
	C	P08	P08
	B	P08	P08
	A	P08	P08

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X36	E	P07	P07
	D	P07	P07
	C	P08	P08
	B	P08	P08
	A	P09	P09

A

B

mat'l code				tolerances unless otherwise specified				CUSTOMER		ELECTRONICS www.fciconnect.com		
lfr	ecr no.	dr	date	linear	0.X ±0.3		projection		COPY		title METRAL POWER HEADER 1 MOD, 5 ROW PRESS-FIT	
X					0.XX ±0.13							
					.XXX ±0.051							
				angles	0° ±2°						product family METRAL	
				dr	T.BRUNGARD	11/19/99	MM	scale 2:1	size A	dwg no 89099		code 213 sheet 4
				enrg	M.STRAWSER	11/19/99						
				chr	M.STRAWSER	11/19/99						
				appd	M.STRAWSER	02/29/00						
sheet index		revision sheet										

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Pro/E

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cage code 22526

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A

B

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X37	E	P07	P07
	D	P07	P07
	C	P07	P07
	B	P07	P07
	A	P09	P09

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X38	E	P07	P07
	D	P07	P07
	C	P09	P09
	B	P09	P09
	A	P09	P09

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X39	E	P03	P03
	D	P01	P01
	C	P01	P01
	B	P01	P01
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X40	E	P02	P02
	D	P01	P01
	C	P02	P02
	B	P01	P01
	A	P02	P02

1 | 2

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X41	E	P01	P01
	D	P03	P03
	C	P03	P03
	B	P03	P03
	A	P02	P02

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X42	E	P01	P01
	D	P02	P02
	C	P02	P02
	B	P02	P02
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X43	E	P03	P03
	D	P03	P03
	C	P03	P03
	B	P02	P02
	A	P02	P02

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X44	E	P03	P03
	D	P03	P03
	C	P03	P03
	B	P16	P16
	A	P03	P03

3 |

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X45	E	P03	P03
	D	P02	P02
	C	P17	P17
	B	P17	P17
	A	P17	P17

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X46	E	P03	P03
	D	P03	P03
	C	P01	P01
	B	P03	P03
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X47	E	P01	P01
	D	P01	P01
	C	P02	P02
	B	P03	P03
	A	P02	P02

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X48	E	P04	P04
	D	P04	P04
	C	P06	P06
	B	P04	P04
	A	P04	P04

4

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X49	E	P02	P02
	D	P03	P03
	C	P03	P03
	B	P03	P03
	A	P02	P02

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X50	E	P01	P01
	D	P01	P01
	C	P03	P03
	B	P01	P01
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X51	E	P01	P01
	D	P01	P01
	C	P16	P16
	B	P01	P01
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X52	E	P03	P03
	D	P02	P02
	C	P03	P03
	B	P03	P03
	A	P03	P03

A

B

mat'l code				tolerances unless otherwise specified		CUSTOMER		ELECTRONICS www.fciconnect.com	
lfr	ecr no.	dr	date	linear	0.X ±0.3	projection		title METRAL POWER HEADER 1 MOD, 5 ROW PRESS-FIT	
X					0.XX ±0.13				
					.XXX ±0.051				
				angles	0° ±2°	MM		product family METRAL	
				dr	T.BRUNGARD 11/19/99				
				enqr	M.STRAWSER 11/19/99				
				chr	M.STRAWSER 11/19/99	scale	2:1	size A	dwg no 89099
				appd	M.STRAWSER 02/29/00				
sheet index	revision sheet							code 213 sheet 5	

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Pro/E

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cage code
22526

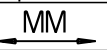
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METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
89099-X53	E	P05	P05
	D	P05	P05
	C	P06	P06
	B	P04	P04
	A	P04	P04
89099-X54	E	P02	P02
	D	P02	P02
	C	P03	P03
	B	P01	P01
	A	P01	P01
89099-X55	E	P02	P02
	D	P02	P02
	C	P02	P02
	B	P03	P03
	A	P03	P03

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		 ELECTRONICS www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3		COPY			title METRAL POWER HEADER 1 MOD, 5 ROW PRESS-FIT	
X					0.XX ±0.13		projection				
					.XXX ±.051						
				angles	0° ±2°					product family	
				dr	T.BRUNGARD	11/19/99	METRAL			code	
				enqr	M.STRAWSER	11/19/99	213			sheet	
				chr	M.STRAWSER	11/19/99	89099				
				appd	M.STRAWSER	02/29/00	A				6
sheet index		revision sheet									

cage code 22526

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