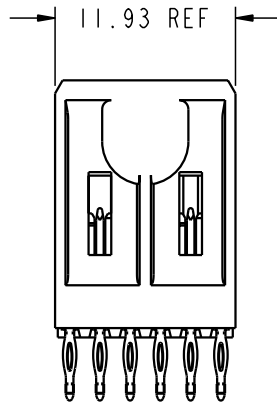
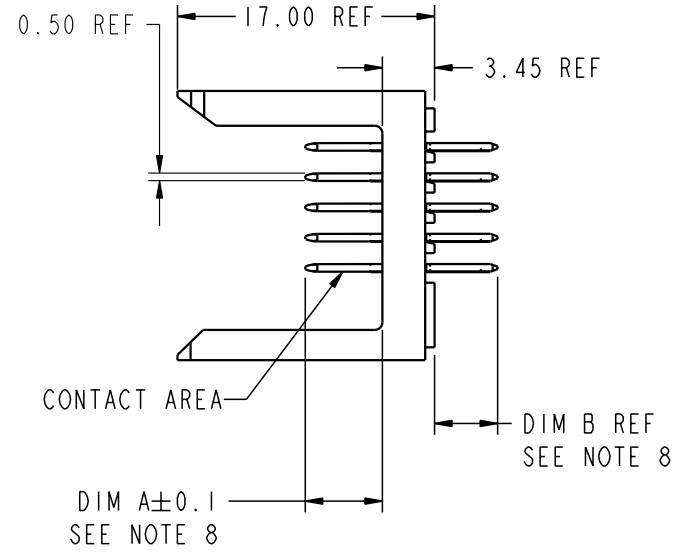
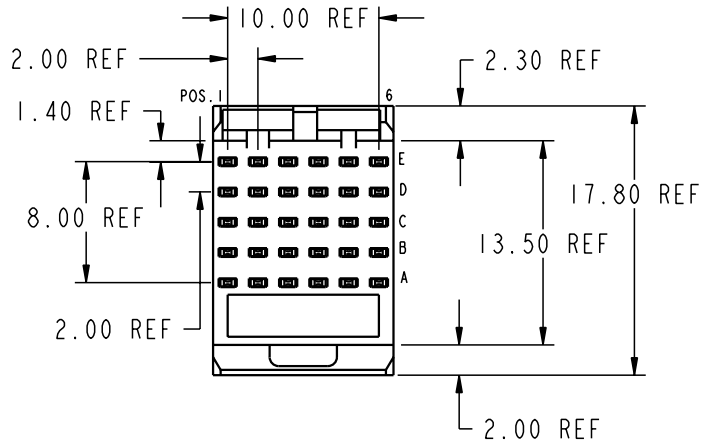


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PRODUCT NUMBER
89006-XYX
89006-XYLX



mat'l code				tolerances unless otherwise specified				CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ± 0.3	COPY		projection			
AH	V11716	CGD	07/02/01		0.XX ± 0.13					METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT	
AJ	V03-0031	TAB	02/08/03	angles	.xxx ± .051					product family	
AK	V03-0981	DAI	09/05/03		0° ± 2°			MM		METRAL	
AL	V03-1321	DAI	01/15/04	dr	T.BRUNGARD	11/19/99	scale		size		code
AM	V04-0459	LP	5/25/04	engr	M.STRAWSER	11/19/99	2:1		dwg no		213
AN	V04-1100	DAI	01/26/05	chr	M.STRAWSER	11/19/99			A		89006
AP	V05-0255	LP	3/30/05	appd	M.STRAWSER	02/29/00					1 of 9
sheet index	revision sheet	AP	AP	AP	AP	AP	AP	AP	AP	AP	
		1	2	3	4	5	6	7	8	9	

Pro/E

cage code 22526

PDM: Rev:AP

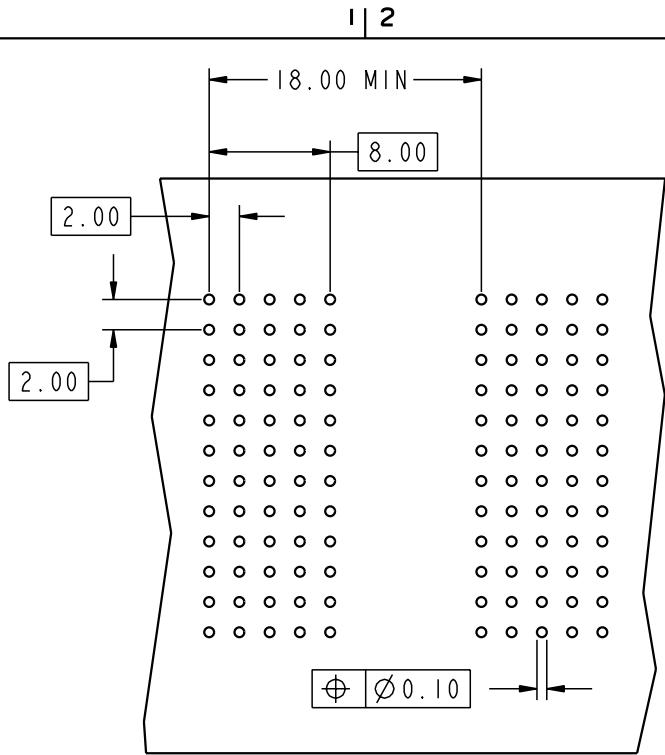
STATUS: Released

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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
1	5.00	4.30
2	5.75	4.30
3	6.50	4.30
4	7.25	4.30
5	5.00	13.60
6	5.75	13.60
7	6.50	13.60
8	7.25	13.60
9	5.00	17.00
10	5.75	17.00
11	6.50	17.00
12	7.25	17.00
13	8.25	4.30
14	8.25	13.60
15	8.25	17.00
16	7.00	4.30
17	7.00	13.60
18	7.00	17.00
19	8.00	4.30
20	8.00	13.60
21	8.00	17.00

mat'l code				tolerances unless otherwise specified		CUSTOMER		A FCI www.fciconnect.com	
ltr	ecr no.	dr	date	linear	0.X ±0.3	COPY		projection	title METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT
AP					0.XX ±0.13	MM			
					.XXX ±.051	1:1			
				angles	0° ±2°	scale		product family METRAL code	
		dr	T.BRUNGARD	11/19/99	size		dwg no		213
		enr	M.STRAWSER	11/19/99	A		89006		sheet
		chr	M.STRAWSER	11/19/99					2
		appd	M.STRAWSER	02/29/00					
sheet index		revision sheet							

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METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X10 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1
	D	1	1	1	1	1	1
	C	1	1	1	1	1	1
	B	1	1	1	1	1	1
	A	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X11 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	3	3
	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X12 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	4	4	4
	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
	B	1	1	1	1	1	1
	A	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X13 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	4	4	4
	D	19	19	19	19	19	19
	C	4	4	4	4	4	4
	B	4	4	4	4	4	4
	A	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X14 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	4	4	4
	D	3	3	3	3	3	3
	C	4	4	4	4	4	4
	B	4	4	4	4	4	4
	A	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X15 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1
	D	1	1	1	1	1	1
	C	1	1	1	1	1	1
	B	1	1	1	1	1	1
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X16 SEE NOTE 10 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	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X17 SEE NOTE 10 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	19	19	19	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X19 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	4	4	4
	D	4	4	4	4	4	4
	C	4	4	4	4	4	4
	B	4	4	4	4	4	4
	A	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X20 SEE NOTE 10 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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X21 SEE NOTE 10 LEAD FREE OPTION	E	7	7	7	7	7	7
	D	7	7	7	7	7	7
	C	7	7	7	7	7	7
	B	7	7	7	7	7	7
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X22 SEE NOTE 10 LEAD FREE OPTION	E	8	8	8	8	8	8
	D	7	7	7	7	7	7
	C	7	7	7	7	7	7
	B	5	5	5	5	5	5
	A	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X23 SEE NOTE 10 LEAD FREE OPTION	E	8	8	8	8	8	8
	D	20	20	20	20	20	20
	C	8	8	8	8	8	8
	B	8	8	8	8	8	8
	A	8	8	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X24 SEE NOTE 10 LEAD FREE OPTION	E	8	8	8	8	8	8
	D	7	7	7	7	7	7
	C	8	8	8	8	8	8
	B	8	8	8	8	8	8
	A	8	8	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X25 SEE NOTE 10 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	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X26 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6
	D	6	6	6	6	6	6
	C	6	6	6	6	6	6
	B	6	6	6	6	6	6
	A	6	6	6	6	6	6

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		A FCI www.fciconnect.com		
ltr	ecr no.	dr	date	linear	0.X ±0.3		COPY		title METRAL SIGNAL HEADER I MOD, 5 ROW PRESS-FIT			
AP					0.XX ±0.13		projection					
					.XXX ±.051							
				angles	0° ±2°		MM		product family METRAL code			
					dr T.BRUNGARD 11/19/99		scale		size		213	
					enr M.STRAWSER 11/19/99		1:1		dwg no		3	
					chr M.STRAWSER 11/19/99				A		89006	
					appd M.STRAWSER 02/29/00							
sheet index		revision sheet										

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METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X27 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6
	D	6	6	6	6	6	6
	C	6	6	6	6	6	6
	B	6	6	6	6	6	6
	A	20	20	20	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X29 SEE NOTE 10 LEAD FREE OPTION	E	8	8	8	8	8	8
	D	8	8	8	8	8	8
	C	8	8	8	8	8	8
	B	8	8	8	8	8	8
	A	8	8	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X30 SEE NOTE 10 LEAD FREE OPTION	E	9	9	9	9	9	9
	D	9	9	9	9	9	9
	C	9	9	9	9	9	9
	B	9	9	9	9	9	9
	A	9	9	9	9	9	9

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X31 SEE NOTE 10 LEAD FREE OPTION	E	11	11	11	11	11	11
	D	11	11	11	11	11	11
	C	11	11	11	11	11	11
	B	11	11	11	11	11	11
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X32 SEE NOTE 10 LEAD FREE OPTION	E	12	12	12	12	12	12
	D	11	11	11	11	11	11
	C	11	11	11	11	11	11
	B	9	9	9	9	9	9
	A	9	9	9	9	9	9

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X33 SEE NOTE 10 LEAD FREE OPTION	E	12	12	12	12	12	12
	D	21	21	21	21	21	21
	C	12	12	12	12	12	12
	B	12	12	12	12	12	12
	A	12	12	12	12	12	12

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X34 SEE NOTE 10 LEAD FREE OPTION	E	12	12	12	12	12	12
	D	11	11	11	11	11	11
	C	12	12	12	12	12	12
	B	12	12	12	12	12	12
	A	12	12	12	12	12	12

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X35 SEE NOTE 10 LEAD FREE OPTION	E	9	9	9	9	9	9
	D	9	9	9	9	9	9
	C	9	9	9	9	9	9
	B	9	9	9	9	9	9
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X36 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10
	D	10	10	10	10	10	10
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	10	10	10	10	10	10

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X37 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10
	D	10	10	10	10	10	10
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	21	21	21	21	21	21

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X39 SEE NOTE 10 LEAD FREE OPTION	E	12	12	12	12	12	12
	D	12	12	12	12	12	12
	C	12	12	12	12	12	12
	B	12	12	12	12	12	12
	A	12	12	12	12	12	12

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X40 SEE NOTE 10 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	4	4	4	4	4	4
	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X41 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2
	D	1	1	1	1	1	1
	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X42 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2
	D	4	4	4	4	4	4
	C	4	4	4	4	4	4
	B	3	3	3	3	3	3
	A	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X43 SEE NOTE 10 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	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X44 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1
	D	3	3	3	3	3	3
	C	4	4	4	4	4	4
	B	3	3	3	3	3	3
	A	1	1	1	1	1	1

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
ltr	ecr no.	dr	date	linear	0.X ±0.3		COPY		projection	title	
AP					0.XX ±0.13		MM			METRAL SIGNAL HEADER	
					.XXX ±.051		1:1			I MOD, 5 ROW PRESS-FIT	
				angles	0° ±2°		scale		product family		
					dr T.BRUNGARD 11/19/99		A		METRAL		
					engr M.STRAWSER 11/19/99		size		code		
					chr M.STRAWSER 11/19/99		dwg no		213		
					appd M.STRAWSER 02/29/00		A		sheet		
sheet index		revision sheet						89006		4	

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METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X45 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1
	D	19	19	19	19	19	19
	C	1	1	1	1	1	1
	B	19	19	19	19	19	19
	A	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X46 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	4	4	4	4	4	4
	B	2	2	2	2	2	2
	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X47 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2
	D	3	3	3	3	3	3
	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X48 SEE NOTE 10 LEAD FREE OPTION	E	19	19	19	19	19	19
	D	19	19	19	19	19	19
	C	19	19	19	19	19	19
	B	19	19	19	19	19	19
	A	19	19	19	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X49 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	4	4	4
	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	19	19	19	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X50 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6
	D	6	6	6	6	6	6
	C	6	6	6	6	6	6
	B	8	8	8	8	8	8
	A	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X51 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6
	D	5	5	5	5	5	5
	C	6	6	6	6	6	6
	B	6	6	6	6	6	6
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X52 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6
	D	8	8	8	8	8	8
	C	8	8	8	8	8	8
	B	7	7	7	7	7	7
	A	8	8	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X53 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6
	D	6	6	6	6	6	6
	C	6	6	6	6	6	6
	B	6	6	6	6	6	6
	A	8	8	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X54 SEE NOTE 10 LEAD FREE OPTION	E	5	5	5	5	5	5
	D	7	7	7	7	7	7
	C	8	8	8	8	8	8
	B	7	7	7	7	7	7
	A	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X55 SEE NOTE 10 LEAD FREE OPTION	E	5	5	5	5	5	5
	D	20	20	20	20	20	20
	C	5	5	5	5	5	5
	B	20	20	20	20	20	20
	A	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X56 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6
	D	6	6	6	6	6	6
	C	8	8	8	8	8	8
	B	6	6	6	6	6	6
	A	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X57 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6
	D	7	7	7	7	7	7
	C	6	6	6	6	6	6
	B	6	6	6	6	6	6
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X58 SEE NOTE 10 LEAD FREE OPTION	E	20	20	20	20	20	20
	D	20	20	20	20	20	20
	C	20	20	20	20	20	20
	B	20	20	20	20	20	20
	A	20	20	20	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X59 SEE NOTE 10 LEAD FREE OPTION	E	8	8	8	8	8	8
	D	7	7	7	7	7	7
	C	7	7	7	7	7	7
	B	7	7	7	7	7	7
	A	20	20	20	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X60 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10
	D	10	10	10	10	10	10
	C	10	10	10	10	10	10
	B	12	12	12	12	12	12
	A	10	10	10	10	10	10

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		A FCI www.fciconnect.com	
ltr	ecr no.	dr	date	linear	0.X ±0.3		COPY		title METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT		
AP					0.XX ±0.13		projection				
					.XXX ±.051						
				angles	0° ±2°				product family		code
					dr	T.BRUNGARD			11/19/99	METRAL	
				enrg	M.STRAWSER	11/19/99	size		dwg no	5	
				chr	M.STRAWSER	11/19/99	A		89006		
				appd	M.STRAWSER	02/29/00	scale		1:1		
sheet index		revision sheet									

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METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X61 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10
	D	9	9	9	9	9	9
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X62 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10
	D	12	12	12	12	12	12
	C	12	12	12	12	12	12
	B	11	11	11	11	11	11
	A	12	12	12	12	12	12

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X63 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10
	D	10	10	10	10	10	10
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	12	12	12	12	12	12

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X64 SEE NOTE 10 LEAD FREE OPTION	E	9	9	9	9	9	9
	D	11	11	11	11	11	11
	C	12	12	12	12	12	12
	B	11	11	11	11	11	11
	A	9	9	9	9	9	9

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X65 SEE NOTE 10 LEAD FREE OPTION	E	9	9	9	9	9	9
	D	21	21	21	21	21	21
	C	9	9	9	9	9	9
	B	21	21	21	21	21	21
	A	9	9	9	9	9	9

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X66 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10
	D	10	10	10	10	10	10
	C	12	12	12	12	12	12
	B	10	10	10	10	10	10
	A	10	10	10	10	10	10

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X67 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10
	D	11	11	11	11	11	11
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X68 SEE NOTE 10 LEAD FREE OPTION	E	21	21	21	21	21	21
	D	21	21	21	21	21	21
	C	21	21	21	21	21	21
	B	21	21	21	21	21	21
	A	21	21	21	21	21	21

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X69 SEE NOTE 10 LEAD FREE OPTION	E	12	12	12	12	12	12
	D	11	11	11	11	11	11
	C	11	11	11	11	11	11
	B	11	11	11	11	11	11
	A	21	21	21	21	21	21

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X70 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	3	3	3	3	3	3
	B	2	2	2	2	2	2
	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X71 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	3	3
	D	19	19	19	19	19	19
	C	3	3	3	3	3	3
	B	19	19	19	19	19	19
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X72 SEE NOTE 10 LEAD FREE OPTION	E	19	19	19	19	19	19
	D	1	1	1	1	1	1
	C	1	1	1	1	1	1
	B	1	1	1	1	1	1
	A	19	19	19	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X73 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	4	4	4
	D	4	4	4	4	4	4
	C	4	4	4	4	4	4
	B	4	4	4	4	4	4
	A	13	13	13	13	13	13

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X74 SEE NOTE 10 LEAD FREE OPTION	E	13	13	13	13	13	13
	D	4	4	4	4	4	4
	C	3	3	3	3	3	3
	B	4	4	4	4	4	4
	A	13	13	13	13	13	13

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X75 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	3	3
	D	3	3	3	3	3	3
	C	2	2	2	2	2	2
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X76 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1
	D	1	1	1	1	1	1
	C	1	1	1	1	1	1
	B	1	1	1	1	1	1
	A	4	4	4	4	4	4

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com		
ltr	ecr no.	dr	date	linear	0.X ±0.3		COPY		title METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT			
AP					0.XX ±0.13		projection					
					.XXX ±.051							
				angles	0° ±2°		MM		product family METRAL code			
					dr T.BRUNGARD 11/19/99		scale 1:1		size		213	
					enr M.STRAWSER 11/19/99				dwg no		6	
					chr M.STRAWSER 11/19/99				A		89006	
					appd M.STRAWSER 02/29/00							
sheet index		revision sheet										

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METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X77 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	3	3
	D	19	19	19	19	19	19
	C	4	4	4	4	4	4
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X78 SEE NOTE 10 LEAD FREE OPTION	E	13	13	13	13	13	13
	D	16	16	16	16	16	16
	C	2	2	2	2	2	2
	B	16	16	16	16	16	16
	A	13	13	13	13	13	13

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X79 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	3	3
	D	3	3	3	3	3	3
	C	4	4	4	4	4	4
	B	19	19	19	19	19	19
	A	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X80 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6
	D	6	6	6	6	6	6
	C	7	7	7	7	7	7
	B	6	6	6	6	6	6
	A	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X81 SEE NOTE 10 LEAD FREE OPTION	E	7	7	7	7	7	7
	D	20	20	20	20	20	20
	C	7	7	7	7	7	7
	B	20	20	20	20	20	20
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X82 SEE NOTE 10 LEAD FREE OPTION	E	20	20	20	20	20	20
	D	5	5	5	5	5	5
	C	5	5	5	5	5	5
	B	5	5	5	5	5	5
	A	20	20	20	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X83 SEE NOTE 10 LEAD FREE OPTION	E	8	8	8	8	8	8
	D	8	8	8	8	8	8
	C	8	8	8	8	8	8
	B	8	8	8	8	8	8
	A	14	14	14	14	14	14

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X84 SEE NOTE 10 LEAD FREE OPTION	E	14	14	14	14	14	14
	D	8	8	8	8	8	8
	C	7	7	7	7	7	7
	B	8	8	8	8	8	8
	A	14	14	14	14	14	14

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X85 SEE NOTE 10 LEAD FREE OPTION	E	7	7	7	7	7	7
	D	7	7	7	7	7	7
	C	6	6	6	6	6	6
	B	7	7	7	7	7	7
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X86 SEE NOTE 10 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	8	8	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X87 SEE NOTE 10 LEAD FREE OPTION	E	7	7	7	7	7	7
	D	20	20	20	20	20	20
	C	8	8	8	8	8	8
	B	7	7	7	7	7	7
	A	7	7	7	7	7	7

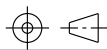
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X88 SEE NOTE 10 LEAD FREE OPTION	E	14	14	14	14	14	14
	D	17	17	17	17	17	17
	C	6	6	6	6	6	6
	B	17	17	17	17	17	17
	A	14	14	14	14	14	14

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X89 SEE NOTE 10 LEAD FREE OPTION	E	7	7	7	7	7	7
	D	7	7	7	7	7	7
	C	8	8	8	8	8	8
	B	17	17	17	17	17	17
	A	20	20	20	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X90 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10
	D	10	10	10	10	10	10
	C	11	11	11	11	11	11
	B	10	10	10	10	10	10
	A	10	10	10	10	10	10

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X91 SEE NOTE 10 LEAD FREE OPTION	E	11	11	11	11	11	11
	D	21	21	21	21	21	21
	C	11	11	11	11	11	11
	B	21	21	21	21	21	21
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X92 SEE NOTE 10 LEAD FREE OPTION	E	21	21	21	21	21	21
	D	9	9	9	9	9	9
	C	9	9	9	9	9	9
	B	9	9	9	9	9	9
	A	21	21	21	21	21	21

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		A FCI www.fciconnect.com	
ltr	ecr no.	dr	date	linear	0.X ±0.3		COPY		title METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT		
AP					0.XX ±0.13		projection				
				angles	.xxx ±.051		 MM scale 1:1		product family		code
					0° ±2°				METRAL		213
				dr	T.BRUNGARD	11/19/99	size		dwg no		sheet
				engr	M.STRAWSER	11/19/99					
				chr	M.STRAWSER	11/19/99					
				appd	M.STRAWSER	02/29/00					
sheet index	revision sheet						A		89006		7

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METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X93 SEE NOTE 10 LEAD FREE OPTION	E	12	12	12	12	12	12
	D	12	12	12	12	12	12
	C	12	12	12	12	12	12
	B	12	12	12	12	12	12
	A	15	15	15	15	15	15

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X94 SEE NOTE 10 LEAD FREE OPTION	E	15	15	15	15	15	15
	D	12	12	12	12	12	12
	C	11	11	11	11	11	11
	B	12	12	12	12	12	12
	A	15	15	15	15	15	15

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X95 SEE NOTE 10 LEAD FREE OPTION	E	11	11	11	11	11	11
	D	11	11	11	11	11	11
	C	10	10	10	10	10	10
	B	11	11	11	11	11	11
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X96 SEE NOTE 10 LEAD FREE OPTION	E	9	9	9	9	9	9
	D	9	9	9	9	9	9
	C	9	9	9	9	9	9
	B	9	9	9	9	9	9
	A	12	12	12	12	12	12

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METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X97 SEE NOTE 10 LEAD FREE OPTION	E	11	11	11	11	11	11
	D	21	21	21	21	21	21
	C	12	12	12	12	12	12
	B	11	11	11	11	11	11
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X98 SEE NOTE 10 LEAD FREE OPTION	E	15	15	15	15	15	15
	D	18	18	18	18	18	18
	C	10	10	10	10	10	10
	B	18	18	18	18	18	18
	A	15	15	15	15	15	15

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X99 SEE NOTE 10 LEAD FREE OPTION	E	11	11	11	11	11	11
	D	11	11	11	11	11	11
	C	12	12	12	12	12	12
	B	18	18	18	18	18	18
	A	21	21	21	21	21	21

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mat'l code				tolerances unless otherwise specified		CUSTOMER		A FCI www.fciconnect.com	
ltr	ecr no.	dr	date	linear	0.X ±0.3	COPY		title METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT	
AP					0.XX ±0.13	projection			
					.XXX ±.051				
				angles	0° ±2°			product family METRAL code	
					dr T.BRUNGARD 11/19/99				
				enr M.STRAWSER 11/19/99	scale		dwg no		sheet
				chr M.STRAWSER 11/19/99	1:1		A		8
				appd M.STRAWSER 02/29/00			89006		
sheet index	revision sheet								

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PRODUCT NUMBER
89006-XYX
89006-XYXLF

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:
73931-XYX IS SnPb
73931-XYXLF IS SN (LEAD FREE)
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 SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-073
- AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
- THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.


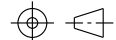

ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING (DRAWING NO.)-N1--- OR (DRAWING NO.)-N5---WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN. PART NUMBERS (DRAWING NO.)-N1--- AND (DRAWINGS NO.)-N5---WILL NOT WITHSTAND REFLOW AND Au CONTACT SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A MAXIMUM 140°C FOR NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.

- FOR LEAD FREE PART NUMBERS, ADD "LF" SUFFIX.
EXAMPLE: 89006-X01LF
- A PLATING HAS Au FLASH IN PRESS FIT AREA (LEAD FREE)

PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-AYY	TELCORDIA CO	SEE NOTE 11
-PYY	0.25 um GOLD MIN.	-
-NIYY	TELCORDIA CO (NXT)	-
-NSYY	TELCORDIA UE (NXT)	-
-IYY	TELCORDIA CO	-
-2YY	TELECOM CLASS	-
-3YY	IEC CLASS I	-
-5YY	TELCORDIA UE	-
-9YY	TELCORDIA CO	-
-NIYY	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 9
-N5YYLF	TELCORDIA UE (NXT)	SEE NOTE 9
-1YYLF	TELCORDIA CO IEC CLASS I	SEE NOTE 9
-2YYLF	TELECOM CLASS	SEE NOTE 9
-5YYLF	TELCORDIA UE	SEE NOTE 9

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mat'l code				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecr no.	dr	date	linear	0.X ±0.3	COPY		title METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT	
AP					0.XX ±0.13	projection			
					.XXX ±.051				
				angles	0° ±2°			product family METRAL code	
		dr	T.BRUNGARD	11/19/99	size		dwg no		213
		enrg	M.STRAWSER	11/19/99	A		89006		sheet
		chr	M.STRAWSER	11/19/99	scale		1:1		9
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