

Excellent Integrated System Limited

Stocking Distributor

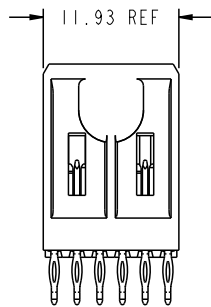
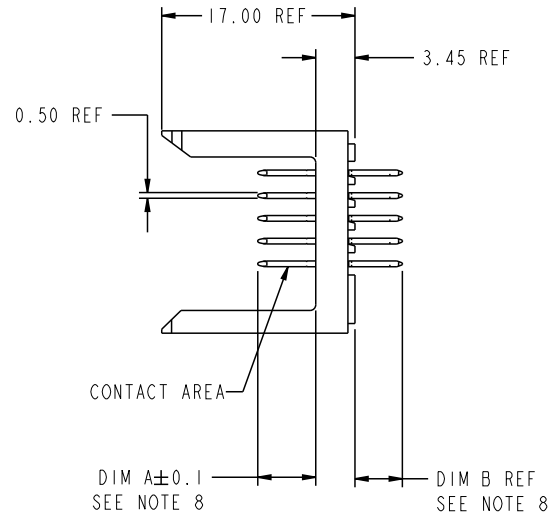
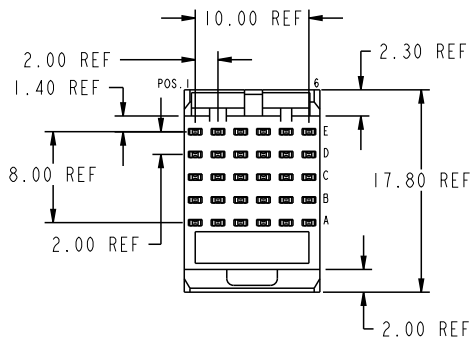
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)
[89025-188LF](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

PRODUCT NUMBER
89025-XXX
89025-XXYLF



mat'l code				tolerances unless otherwise specified				CUSTOMER		FCI	
litr	ecm no.	dr	date	linear	0.X ±0.3	projection	COPY	www.fciconnect.com			
CP	V06-0573	DCH	2006-06-14		0.XX ±0.13			title		METRAL SIGNAL HEADER	
CR	DG09-0256	TER	2009-08-19		.XXX ±.051			1 MOD, 5 ROW PRESS-FIT			
				angles	0° ±2°			product family		METRAL	
CK	V03-0031	TAB	02/08/03	dr	T.BRUNGARD	11/19/99		size		213	
CL	V03-1321	DAI	01/15/04	engr	M.STRAWER	11/19/99		dwg no		89025	
CM	V04-0459	LP	5/25/04	chr	M.STRAWER	11/19/99		scale		1 of 8	
CN	V05-0030	DAI	02/10/05	appd	M.STRAWER	02/29/00		A			
sheet index	revision sheet	CR	CR	CR	CR	CR	CR	CR	CR	cage code	
		1	2	3	4	5	6	7	8	22526	

Pro/E

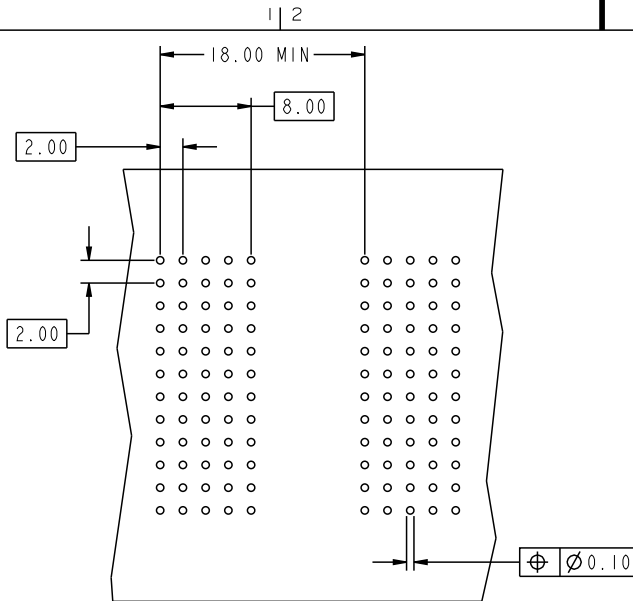
PDM: Rev:CR

STATUS:Released

Printed: Sep 16, 2009

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REV E - 2006-04-18



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
19	8.00	4.30
20	8.00	13.60
21	8.00	17.00
22	5.00	12.10
23	8.00	17.70
24	6.50	16.30
25	5.75	15.60
26	5.00	14.90
27	5.75	12.40
29	8.00	14.60

KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
32	6.50	12.90
38	7.25	14.40
39	8.00	14.40
40	5.00	15.60
41	6.50	15.60
44	5.75	12.10
45	6.50	12.10
49	5.75	15.10
54	5.00	11.50

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
litr	ecm no.	dr	date	linear	0.X ±0.3	COPY		www.fciconnect.com	
CR					0.XX ±0.13	projection		title	
					.XXX ±.051			METRAL SIGNAL HEADER	
				angles	0° ±2°			I MOD, 5 ROW PRESS-FIT	
				dr	T. BRUNGARD 11/19/99			product family	
				engr	M. STRAWSER 11/19/99			METRAL	
				chr	M. STRAWSER 11/19/99			code	
				appd	M. STRAWSER 02/29/00			213	
sheet index	revision sheet					scale	1:1	size	
								dwg no	
								89025	
								sheet	
								2	

Pro/E

cage code 22526

PDM: Rev:CR

STATUS:Released

Printed: Sep 16, 2009

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METRAL P/N		CONTACT CODE MOD. I						METRAL P/N		CONTACT CODE MOD. I						METRAL P/N		CONTACT CODE MOD. I						METRAL P/N		CONTACT CODE MOD. I													
ROW		1	2	3	4	5	6	ROW		1	2	3	4	5	6	ROW		1	2	3	4	5	6	ROW		1	2	3	4	5	6								
89025-X01 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10	89025-X05 SEE NOTE 10 LEAD FREE OPTION	E	26	12	12	12	12	23	89025-X09 SEE NOTE 10 LEAD FREE OPTION	E	21	21	11	11	11	11	89025-X13 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10	89025-X17 SEE NOTE 10 LEAD FREE OPTION	E	22	22	22	22	22	
	D	10	10	10	10	10	10		D	26	12	12	12	12	23		D	21	21	11	11	11	11		D	9	9	9	9	9	9								
	C	9	9	9	9	9	9		C	23	12	12	12	12	23		C	21	21	11	11	11	11		C	10	10	10	10	10	10								
	B	10	10	10	10	10	10		B	24	12	12	12	12	23		B	21	21	11	11	11	11		B	10	10	10	10	10	10								
	A	3	3	3	3	3	3		A	24	12	12	12	12	23		A	21	21	11	11	11	11		A	2	2	2	2	2	2								
89025-X02 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	3	3	2	89025-X06 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25	25	89025-X10 SEE NOTE 10 LEAD FREE OPTION	E	3	19	3	3	19	3	89025-X14 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25	25	89025-X18 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6
	D	2	2	2	3	3	2		D	25	25	25	25	25	25		D	19	3	3	19	3	D		25	25	25	25	25	25	D		6	6	6	6	6	6	
	C	2	1	2	3	3	2		C	25	25	25	25	25	25		C	3	1	19	3	3	19		C	25	25	25	25	25	25		C	8	8	8	8	8	8
	B	2	2	2	3	3	2		B	25	25	25	25	25	25		B	3	19	3	3	19	3		B	25	25	25	25	25	25		B	6	6	6	6	6	5
	A	2	2	2	3	3	2		A	25	25	25	25	25	25		A	3	3	19	3	3	19		A	2	2	2	2	2	2		A	6	6	6	6	6	6
89025-X03 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	3	3	2	89025-X07 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	89025-X11 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10	89025-X15 SEE NOTE 10 LEAD FREE OPTION	E	3	3	19	19	3	3	89025-X19 SEE NOTE 10 LEAD FREE OPTION	E	19	19	19	1	1	1
	D	2	2	2	3	3	2		D	6	6	6	6	6	D		10	10	10	10	10	10	D		3	3	19	19	3	3	D		3	3	3	3	3	3	
	C	2	1	2	3	3	2		C	6	6	6	6	6	C		10	10	10	10	10	10	C		3	3	19	19	3	3	C		3	3	3	3	3	3	
	B	2	2	2	3	3	2		B	6	6	6	6	6	B		10	10	10	10	10	10	B		3	3	19	19	3	3	B		3	3	3	3	3	3	
	A	2	2	2	3	3	2		A	6	6	6	6	6	A		2	2	2	2	2	2	A		3	3	19	19	3	3	A		3	3	3	3	3	3	
89025-X04 SEE NOTE 10 LEAD FREE OPTION	E	12	25	23	23	23	25	89025-X08 SEE NOTE 10 LEAD FREE OPTION	E	4	2	19	19	19	2	89025-X12 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10	89025-X16 SEE NOTE 10 LEAD FREE OPTION	E	3	3	19	19	3	4	89025-X20 SEE NOTE 10 LEAD FREE OPTION	E	1	4	4	4	4	19
	D	12	25	23	23	23	25		D	4	2	19	19	19	2		D	9	9	9	9	9	9		D	3	3	19	19	3	4		D	1	4	4	4	4	19
	C	12	25	23	23	23	25		C	4	2	19	19	19	2		C	10	10	10	10	10	10		C	3	3	19	19	3	4		C	19	4	4	4	4	19
	B	12	25	23	23	23	25		B	4	2	19	19	19	2		B	10	10	10	10	10	10		B	3	3	19	19	3	4		B	3	4	4	4	4	19
	A	12	25	23	23	23	25		A	4	2	19	19	19	2		A	3	3	3	3	3	3		A	3	3	19	19	3	4		A	3	4	4	4	4	19

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY			www.fciconnect.com
CR					0.XX ±0.13	projection			
					.XXX ±0.051				
					angles 0° ±2°				
				dr	T. BRUNGARD 11/19/99				
				eng	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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METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X21 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25
	D	40	40	40	40	40
	C	25	25	25	25	25
	B	25	25	25	25	25
	A	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X22 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1
	D	1	1	1	1	1
	C	1	1	1	1	1
	B	19	4	4	4	4
	A	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X23 SEE NOTE 10 LEAD FREE OPTION	E	2	-	2	-	2
	D	-	-	-	-	-
	C	2	-	2	-	2
	B	-	-	-	-	-
	A	2	-	2	-	2

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X24 SEE NOTE 10 LEAD FREE OPTION	E	4	2	2	2	2
	D	4	2	2	2	2
	C	4	2	2	2	2
	B	4	2	2	2	2
	A	4	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X25 SEE NOTE 10 LEAD FREE OPTION	E	-	-	-	-	-
	D	3	3	3	3	3
	C	3	3	3	3	3
	B	3	3	3	3	3
	A	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X26 SEE NOTE 10 LEAD FREE OPTION	E	-	-	-	-	-
	D	3	3	-	-	-
	C	3	3	-	-	-
	B	3	3	-	-	-
	A	3	3	-	-	-

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X27 SEE NOTE 10 LEAD FREE OPTION	E	32	32	32	32	32
	D	32	32	32	32	32
	C	32	32	32	32	32
	B	32	32	32	32	32
	A	32	32	32	32	32

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X28 SEE NOTE 10 LEAD FREE OPTION	E	-	-	-	-	-
	D	1	1	1	1	1
	C	1	1	1	1	1
	B	1	1	1	1	1
	A	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X29 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25
	D	1	1	-	-	-
	C	1	1	-	-	-
	B	1	1	-	-	-
	A	1	1	-	-	-

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X30 SEE NOTE 10 LEAD FREE OPTION	E	1	4	1	1	1
	D	1	1	1	1	4
	C	1	1	1	4	1
	B	1	4	1	1	1
	A	1	1	1	1	4

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X31 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	3	1
	D	1	1	1	3	1
	C	3	3	1	3	1
	B	1	1	1	1	1
	A	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X32 SEE NOTE 10 LEAD FREE OPTION	E	45	45	45	45	45
	D	45	45	45	45	45
	C	45	45	45	45	45
	B	45	45	45	45	45
	A	45	45	45	45	45

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X33 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25
	D	40	40	40	40	40
	C	25	25	25	25	25
	B	25	25	25	25	25
	A	41	41	41	41	41

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X34 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	13	13
	D	4	4	4	13	13
	C	4	4	4	13	13
	B	4	4	4	13	13
	A	4	4	4	13	13

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X35 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1
	D	40	1	1	1	1
	C	1	1	1	1	1
	B	1	1	1	1	1
	A	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X36 SEE NOTE 10 LEAD FREE OPTION	E	8	8	8	14	14
	D	8	8	8	14	14
	C	8	8	8	14	14
	B	8	8	8	14	14
	A	8	8	8	14	14

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X37 SEE NOTE 10 LEAD FREE OPTION	E	11	11	11	11	11
	D	11	11	40	11	11
	C	11	11	11	11	11
	B	11	11	11	11	11
	A	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X38 SEE NOTE 10 LEAD FREE OPTION	E	49	49	49	49	49
	D	49	49	49	49	49
	C	49	49	49	49	49
	B	49	49	49	49	49
	A	49	49	49	49	49

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X39 SEE NOTE 10 LEAD FREE OPTION	E	44	44	44	44	44
	D	44	44	44	44	44
	C	44	44	44	44	44
	B	44	44	44	44	44
	A	44	44	44	44	44

METRAL P/N	ROW	CONTACT CODE MOD. I				
		1	2	3	4	5
89025-X40 SEE NOTE 10 LEAD FREE OPTION	E	12	12	12	15	15
	D	12	12	12	15	15
	C	12	12	12	15	15
	B	12	12	12	15	15
	A	12	12	12	15	15

mat'l code				tolerances unless otherwise specified		CUSTOMER	
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection	COPY
CR					0.XX ±0.13		
					xxx ±.051		
				angles	0° ±2°		
				dr	T.BRUNGARD 11/19/99		product family size dwg no
				engr	M. STRAWER 11/19/99		
				chr	M. STRAWER 11/19/99		
				appd	M. STRAWER 02/29/00		
sheet index	revision	sheet				scale	1:1

mat'l code				tolerances unless otherwise specified				CUSTOMER		FCI		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection	MM	COPY		title		METRAL SIGNAL HEADER	
CR					0.XX ±0.13					I MOD, 5 ROW PRESS-FIT			
					.XXX ±0.051					product family		METRAL	
				angles	0° ±2°					size		213	
				dr	T.BRUNGARD 11/19/99					dwg no		89025	
				engr	M.STRAWNER 11/19/99					scale		A	
				chr	M.STRAWNER 11/19/99								
				appd	M.STRAWNER 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
89025-X41 SEE NOTE 10 LEAD FREE OPTION	E	1	-	-	1	-	1
	D	1	-	-	1	-	1
	C	1	-	-	1	-	1
	B	1	-	-	1	-	1
	A	1	-	-	1	-	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X42 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	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
89025-X43 SEE NOTE 10 LEAD FREE OPTION	E	19	19	19	19	19	19
	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
89025-X44 SEE NOTE 10 LEAD FREE OPTION	E	20	20	20	20	20	20
	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
89025-X45 SEE NOTE 10 LEAD FREE OPTION	E	1	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
89025-X46 SEE NOTE 10 LEAD FREE OPTION	E	19	19	1	4	4	4
	D	19	19	1	4	4	4
	C	19	19	1	4	4	4
	B	19	19	1	4	4	4
	A	19	19	1	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X47 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	4	4
	D	2	2	2	2	4	4
	C	2	2	2	2	2	2
	B	2	2	2	2	19	19
	A	2	2	2	2	19	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X48 SEE NOTE 10 LEAD FREE OPTION	E	3	-	3	-	3	-
	D	3	-	3	-	3	-
	C	-	-	-	-	-	-
	B	3	-	3	-	3	-
	A	3	-	3	-	3	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X49 SEE NOTE 10 LEAD FREE OPTION	E	1	1	-	1	-	1
	D	1	1	-	1	-	1
	C	-	-	-	-	-	-
	B	1	1	-	1	-	1
	A	1	1	-	1	-	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X50 SEE NOTE 10 LEAD FREE OPTION	E	1	19	19	19	19	1
	D	1	19	19	19	19	1
	C	1	19	19	19	19	1
	B	1	19	19	19	19	1
	A	1	19	19	19	19	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X51 SEE NOTE 10 LEAD FREE OPTION	E	-	2	-	2	-	2
	D	-	-	-	-	-	-
	C	-	2	-	2	-	2
	B	-	-	-	-	-	-
	A	-	2	-	2	-	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X52 SEE NOTE 10 LEAD FREE OPTION	E	1	3	3	3	3	19
	D	3	3	3	3	3	19
	C	3	3	3	3	3	19
	B	3	3	3	3	3	19
	A	3	3	3	3	3	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X53 SEE NOTE 10 LEAD FREE OPTION	E	7	5	5	5	5	5
	D	7	5	5	5	5	5
	C	7	5	5	5	5	5
	B	7	5	5	5	5	5
	A	7	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X54 SEE NOTE 10 LEAD FREE OPTION	E	22	22	22	22	22	22
	D	22	22	22	22	22	22
	C	22	22	22	22	22	22
	B	22	22	22	22	22	22
	A	22	22	22	22	22	22

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X55 SEE NOTE 10 LEAD FREE OPTION	E	19	19	19	19	19	19
	D	1	1	19	19	19	19
	C	1	1	19	19	19	19
	B	1	1	19	19	19	19
	A	1	1	19	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X56 SEE NOTE 10 LEAD FREE OPTION	E	7	7	7	7	7	7
	D	7	7	44	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
89025-X57 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	4	4	4
	D	13	4	4	4	4	4
	C	13	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
89025-X58 SEE NOTE 10 LEAD FREE OPTION	E	20	7	7	7	7	7
	D	20	7	7	7	7	7
	C	20	7	7	7	7	7
	B	20	7	7	7	7	7
	A	20	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X59 SEE NOTE 10 LEAD FREE OPTION	E	19	3	3	3	3	3
	D	19	3	3	3	3	3
	C	19	3	3	3	3	3
	B	19	3	3	3	3	3
	A	19	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89025-X60 SEE NOTE 10 LEAD FREE OPTION	E	19	19	19	19	19	-
	D	19	19	19	19	19	-
	C	19	19	19	19	19	-
	B	19	19	19	19	19	-
	A	19	19	19	19	19	-

mat'l code				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com			
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY			title		
CR					0.XX ±0.13	projection				METRAL SIGNAL HEADER 1 MOD. 5 ROW PRESS-FIT	
					.XXX ±.051						
				angles	0° ±2°				product family		
				dr	T.BRUNGARD 11/19/99					size	
				engr	M.STRASER 11/19/99						dwg no
				chr	M.STRASER 11/19/99						
				appd	M.STRASER 02/29/00	scale		A	89025		
sheet index	revision	sheet									sheet 5

mat'l code				tolerances unless otherwise specified				CUSTOMER			
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection	MM	COPY			
CR					0.XX ±0.13			title			
					.XXX ±0.051			METRAL SIGNAL HEADER			
					0° ±2°			I MOD, 5 ROW PRESS-FIT			
				dr	T.BRUNGARD 11/19/99			product family			
				eng	M.STRAWER 11/19/99			METRAL			
				chr	M.STRAWER 11/19/99			code			
				appd	M.STRAWER 02/29/00			213			
sheet index	revision sheet							sheet			
								5			

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1 2						3						4					
METRAL P/N	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6	METRAL P/N	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6
89025-X61 SEE NOTE 10 LEAD FREE OPTION	E	1	19	3	3	3	3	3	89025-X65 SEE NOTE 10 LEAD FREE OPTION	E	1	19	3	3	3	19	
	D	3	19	3	3	3	3	3		D	3	19	3	3	3	19	
	C	3	19	3	3	3	3	3		C	3	19	3	3	3	19	
	B	19	19	3	3	3	3	3		B	3	3	3	3	3	19	
	A	19	19	3	3	3	3	3		A	3	3	3	3	3	19	
89025-X62 SEE NOTE 10 LEAD FREE OPTION	E	1	-	-	-	-	-	-	89025-X66 SEE NOTE 10 LEAD FREE OPTION	E	3	1	1	1	1	1	
	D	-	-	-	-	-	-	-		D	3	1	1	1	1	1	
	C	-	-	-	-	-	-	-		C	3	1	1	1	1	1	
	B	-	-	-	-	-	-	-		B	3	1	1	1	1	1	
	A	-	-	-	-	-	-	-		A	3	1	1	1	1	1	
89025-X63 SEE NOTE 10 LEAD FREE OPTION	E	8	27	29	29	29	27		89025-X67 SEE NOTE 10 LEAD FREE OPTION	E	20	20	20	20	20	20	
	D	8	27	29	29	29	27			D	5	5	20	20	20	20	
	C	8	27	29	29	29	27			C	5	5	20	20	20	20	
	B	8	27	29	29	29	27			B	5	5	20	20	20	20	
	A	8	27	29	29	29	27			A	5	5	20	20	20	20	
89025-X64 SEE NOTE 10 LEAD FREE OPTION	E	45	-	45	-	45	-		89025-X68 SEE NOTE 10 LEAD FREE OPTION	E	21	21	21	21	21	21	
	D	45	-	45	-	45	-			D	9	9	21	21	21	21	
	C	-	-	-	-	-	-			C	9	9	21	21	21	21	
	B	45	-	45	-	45	-			B	9	9	21	21	21	21	
	A	45	-	45	-	45	-			A	9	9	21	21	21	21	
89025-X69 SEE NOTE 10 LEAD FREE OPTION	E	14	6	8	8	8	8		89025-X70 SEE NOTE 10 LEAD FREE OPTION	E	13	2	4	4	4	4	
	D	14	7	8	8	8	8			D	13	3	4	4	4	4	
	C	14	7	8	8	8	8			C	13	3	4	4	4	4	
	B	14	7	8	8	8	8			B	13	3	4	4	4	4	
	A	14	7	8	8	8	8			A	13	3	4	4	4	4	
89025-X73 SEE NOTE 10 LEAD FREE OPTION	E	-	2	-	2	-	2		89025-X74 SEE NOTE 10 LEAD FREE OPTION	E	-	-	-	-	-	-	
	D	2	-	2	-	2	-			D	2	-	2	-	2	-	
	C	-	2	-	2	-	2			C	-	2	-	2	-	2	
	B	2	-	2	-	2	-			B	2	-	2	-	2	-	
	A	-	2	-	2	-	2			A	-	2	-	2	-	2	
89025-X77 SEE NOTE 10 LEAD FREE OPTION	E	7	7	7	5	20	7	7	89025-X78 SEE NOTE 10 LEAD FREE OPTION	E	54	54	39	54	54	54	
	D	7	7	7	7	7	7	7		D	54	54	39	54	54	54	
	C	7	7	7	7	7	7	7		C	54	54	39	54	54	54	
	B	7	7	7	7	7	7	7		B	54	54	39	54	54	54	
	A	7	7	7	7	7	7	7		A	54	54	39	54	54	54	
89025-X79 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1		89025-X80 SEE NOTE 10 LEAD FREE OPTION	E	5	5	5	5	5	5	
	D	1	1	1	1	1	1			D	5	5	5	5	5	5	
	C	2	2	2	2	2	1			C	6	6	6	6	5	5	
	B	1	1	1	1	1	1			B	5	5	5	5	5	5	
	A	1	1	1	1	1	1			A	5	5	5	5	5	5	

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY			www.fciconnect.com
CR					0.XX ±0.13	projection	title	METRAL SIGNAL HEADER	
					.XXX ±0.051			1 MOD, 5 ROW PRESS-FIT	
					angles 0° ±2°			product family METRAL	
				dr	T. BRUNGARD 11/19/99			code 213	
				engr	M. STRAWSER 11/19/99			size 89025	
				chr	M. STRAWSER 11/19/99			sheet 6	
				appd	M. STRAWSER 02/29/00				
sheet index	revision sheet								

Pro/E

cage code 22526

PDM: Rev:CR

STATUS:Released

Printed: Sep 16, 2009

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METRAL P/N	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6
89025-X81 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	1	1
		B	1	1	1	1	1	1
		A	1	1	1	1	1	1

METRAL P/N	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6
89025-X85 SEE NOTE 10 LEAD FREE OPTION		E	-	-	-	-	3	-
		D	-	-	-	-	3	-
		C	-	-	-	-	-	-
		B	-	-	-	-	3	-
		A	-	-	-	3	3	-

METRAL P/N	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6
89025-X89 SEE NOTE 10 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	1	4

METRAL P/N	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6
89025-X93 SEE NOTE 10 LEAD FREE OPTION		E	2	3	2	2	4	4
		D	2	3	2	2	4	4
		C	2	3	2	2	4	4
		B	2	3	2	2	4	4
		A	2	3	2	2	4	4

METRAL P/N	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6
89025-X97 SEE NOTE 10 LEAD FREE OPTION		E	3	3	3	3	-	3
		D	3	3	3	3	-	3
		C	3	3	3	3	3	3
		B	3	3	3	3	3	3
		A	3	3	3	-	-	3

METRAL P/N	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6
89025-X82 SEE NOTE 10 LEAD FREE OPTION		E	7	-	38	38	-	7
		D	7	-	38	38	-	7
		C	7	-	38	38	-	7
		B	7	-	38	38	-	7
		A	7	-	38	38	-	7

METRAL P/N	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6
89025-X86 SEE NOTE 10 LEAD FREE OPTION		E	19	3	3	3	3	3
		D	19	3	3	3	3	1
		C	19	3	3	3	3	1
		B	19	3	3	3	3	2
		A	19	3	3	3	3	3

METRAL P/N	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6
89025-X90 SEE NOTE 10 LEAD FREE OPTION		E	19	3	3	3	2	1
		D	19	3	3	3	2	1
		C	19	3	3	3	2	1
		B	19	3	3	3	2	1
		A	19	3	3	3	2	1

METRAL P/N	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6
89025-X94 SEE NOTE 10 LEAD FREE OPTION		E	1	19	3	3	3	3
		D	3	19	3	3	3	3
		C	3	19	3	3	3	3
		B	19	19	3	3	3	3
		A	19	19	3	3	3	3

METRAL P/N	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6
89025-X98 SEE NOTE 10 LEAD FREE OPTION		E	4	4	4	19	19	19
		D	4	4	4	19	19	19
		C	4	4	4	19	19	19
		B	4	4	4	19	19	19
		A	4	4	4	19	19	19

METRAL P/N	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6
89025-X83 SEE NOTE 10 LEAD FREE OPTION		E	1	1	1	-	1	1
		D	1	1	1	-	1	1
		C	1	1	1	-	1	1
		B	1	1	1	-	-	-
		A	1	1	1	1	1	1

METRAL P/N	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6
89025-X87 SEE NOTE 10 LEAD FREE OPTION		E	2	2	2	2	1	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	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6
89025-X91 SEE NOTE 10 LEAD FREE OPTION		E	20	7	7	7	6	5
		D	20	7	7	7	6	5
		C	20	7	7	7	6	5
		B	20	7	7	7	6	5
		A	20	7	7	7	6	5

METRAL P/N	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6
89025-X95 SEE NOTE 10 LEAD FREE OPTION		E	2	2	2	2	2	2
		D	2	2	2	2	2	2
		C	1	2	2	2	2	2
		B	2	2	2	2	2	2
		A	2	2	2	2	2	2

METRAL P/N	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6
89025-X99 SEE NOTE 10 LEAD FREE OPTION		E	8	8	8	20	20	20
		D	8	8	8	20	20	20
		C	8	8	8	20	20	20
		B	8	8	8	20	20	20
		A	8	8	8	20	20	20

METRAL P/N	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6
89025-X84 SEE NOTE 10 LEAD FREE OPTION		E	7	7	7	7	7	7
		D	7	4	1	7	7	7
		C	4	1	7	4	1	7
		B	7	7	4	1	7	7
		A	7	7	7	4	5	7

METRAL P/N	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6
89025-X88 SEE NOTE 10 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

METRAL P/N	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6
89025-X92 SEE NOTE 10 LEAD FREE OPTION		E	19	4	4	4	4	4
		D	19	4	4	4	4	4
		C	19	4	4	4	4	4
		B	19	4	4	4	4	4
		A	19	4	4	4	4	4

METRAL P/N	CONTACT CODE MOD. I	ROW	1	2	3	4	5	6
89025-X96 SEE NOTE 10 LEAD FREE OPTION		E	3	3	3	-	3	3
		D	3	3	3	-	3	3
		C	3	3	3	-	3	3
		B	3	3	3	-	-	-
		A	3	3	3	3	3	3

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
lfr	ecn no.	dr	date	linear	0. x ± 0.3	projection	COPY	title	www.fciconnect.com
CR					0. xx ± 0.13				
					.xxx ± .051				
					0° ± 2°				
				angles					
				dr	T. BRUNGARD 11/19/99				
				enr	M. STRAWER 11/19/99			product family	
				chr	M. STRAWER 11/11/99			size	
				appd	M. STRAWER 02/29/00			dwg no	
								89025	
sheet index	revision	sheet						A	213
									sheet
									7

A

B

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY		www.fciconnect.com	
CR					0.XX ±0.13	projection		title	
					.XXX ±0.051	MM		METRAL SIGNAL HEADER	
					0° ±2°	scale		1 MOD, 5 ROW PRESS-FIT	
				dr	T.BRUNGARD 11/19/99			product family	METRAL
				engr	M.STRAWSER 11/19/99			size	213
				chr	M.STRAWSER 11/19/99			dwg no	89025
				appd	M.STRAWSER 02/29/00			code	7
sheet index	revision	sheet							

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PRODUCT NUMBER
89025-XXX
89025-XXYLF

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:
55422 -XXY IS SnPb
55422-XXYLF IS SN (LEAD FREE)
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE
LEVEL SHOWN IN TABLE.
- 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 OR XXXXX-XXXPLF
- PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-073

- ⑧ AFTER INSERTION INTO CIRCUIT BOARD WITH
QUALIFIED TOOL.
- ⑨ 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.

- ⑩ FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.
EXAMPLE: 89025-X01LF

PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-N1YY	TELCORDIA CO (NXT)	-
-N5YY	TELCORDIA UE (NXT)	-
-1YY	TELCORDIA CO	-
-2YY	TELECOM CLASS	-
-3YY	IEC CLASS I	-
-5YY	TELCORDIA UE	-
-N1YYLF	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

mat'l code				tolerances unless otherwise specified		CUSTOMER				www.fciconnect.com				
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY		projection		title	METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT			
CR					0.XX ±0.13									
					.XXX ±.051									
				angles	0° ±2°					product family	METRAL			
				dr	T.BRUNGARD 11/19/99									
				eng	M.STRAWSER 11/19/99									
				chr	M.STRAWSER 11/19/99	scale		A	size	dwg no	213			
				appd	M.STRAWSER 02/29/00	1:1						89025	sheet	8
sheet	revision													
index	sheet													

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