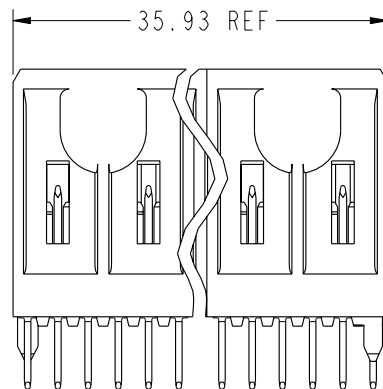
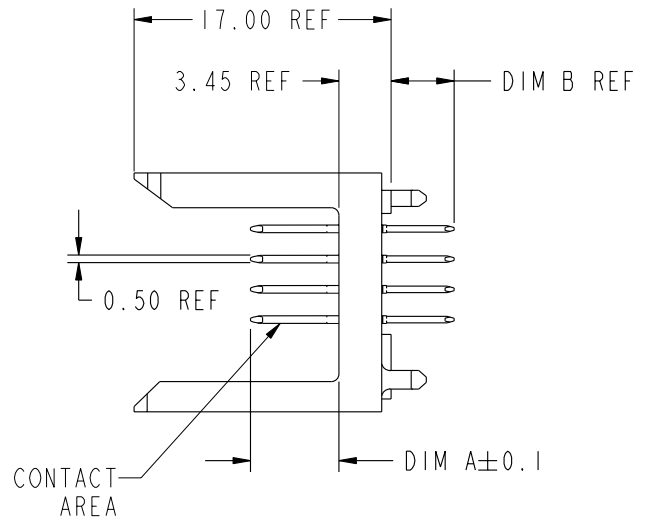


74789-XY YLF



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mat'l code				SEE NOTES				tolerances unless otherwise specified				CUSTOMER		 www.fciconnect.com			
lfr	ecrn no.	dws	date	linear	0. X ± 0.3				COPY			title METRAL SIGNAL HEADER 3 MOD, 4 ROW STB					
B	V02641	JR	10/16/00		0. XX ± 0.13				projection								
C	V10911	CGD	02/22/01		. XXX ± .051												
D	V12017	CGD	08/30/01	angles	0° ± 2°												
E	V21670	TAB	10/18/02	dr	T.BRUNGARD		11/19/99		 MM		product family		METRAL		code		
F	V03-1059	DAI	29/24/03	enrg	M. STRAWSER		11/19/99				size	dwg no	74789		213		
G	V05-1126	DAI	01/09/06	chr	M. STRAWSER		11/19/99		scale	A					sheet		
H	V06-0544	DCH	2006-06-09	appd	M. STRAWSER		02/29/00		2:1				1 of 5				
sheet index	revision sheet	H	H	H	H	H	H										
		1	2	3	4	5											

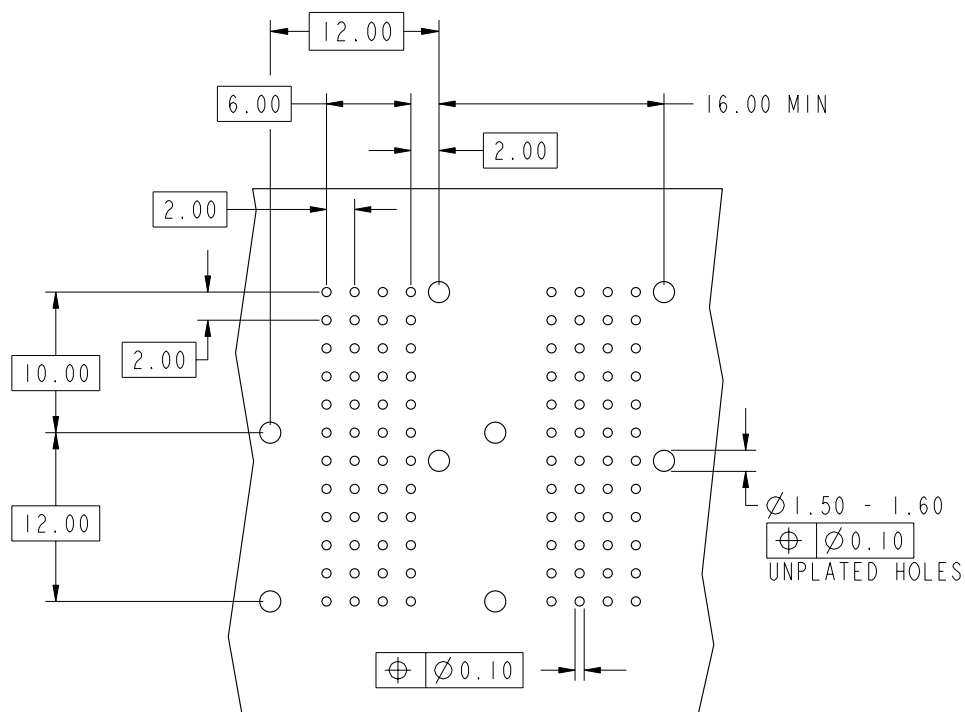
Pro/E

cage code	22526
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4

PDM: Rev:H

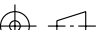
STATUS: **Released** Printed: May 16, 2009



REQUIRED PC BOARD LAYOUT
COMPONENT SIDE
SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

KEY (SIGNAL STB)

CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
1	5.00	4.25
2	5.75	4.25
3	6.50	4.25
4	7.25	4.25
5	5.00	3.45
6	5.75	3.45
7	6.50	3.45
8	7.25	3.45
9	5.00	2.65
10	5.75	2.65
11	6.50	2.65
12	7.25	2.65

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 3 MOD, 4 ROW STB			
H					0. XX ±0.13		projection						
					.XXX ±.051								
				angles	0° ±2°								
				dr	T.BRUNGARD	11/19/99	 MM scale 1:1		product family		METRAL		code
				enrg	M.STRAWSE	11/19/99			size	dwg no	213		
				chr	M.STRAWSE	11/19/99			74789		sheet		
				appd	M.STRAWSE	02/29/00					2		
sheet index		revision sheet											

cage code 22526

Pro/E

3

4

PDM: Rev:H

STATUS: Released

Printed: May 16, 2009



METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X01 SEE NOTE 9 LEAD FREE OPTION	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		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X05 SEE NOTE 9 LEAD FREE OPTION	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		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X09 SEE NOTE 9 LEAD FREE OPTION	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		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X13 SEE NOTE 9 LEAD FREE OPTION	D	1	1	1	1	1	1
	C	1	1	1	1	1	1
	B	3	3	3	3	3	3
	A	1	1	1	1	1	1

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X31 SEE NOTE 9 LEAD FREE OPTION	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		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X35 SEE NOTE 9 LEAD FREE OPTION	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		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X02 SEE NOTE 9 LEAD FREE OPTION	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		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X06 SEE NOTE 9 LEAD FREE OPTION	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		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X10 SEE NOTE 9 LEAD FREE OPTION	D	1	1	1	1	1	1
	C	2	2	2	2	2	2
	B	3	3	3	3	3	3
	A	4	4	4	4	4	4

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X15 SEE NOTE 9 LEAD FREE OPTION	D	2	2	2	2	2	2
	C	1	1	1	1	1	1
	B	2	2	2	2	2	2
	A	1	1	1	1	1	1

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X32 SEE NOTE 9 LEAD FREE OPTION	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		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X36 SEE NOTE 9 LEAD FREE OPTION	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

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X03 SEE NOTE 9 LEAD FREE OPTION	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		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X07 SEE NOTE 9 LEAD FREE OPTION	D	3	3	3	3	3	3
	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	1	1	1	1	1	1

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X11 SEE NOTE 9 LEAD FREE OPTION	D	3	3	3	3	3	3
	C	1	1	1	1	1	1
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X16 SEE NOTE 9 LEAD FREE OPTION	D	2	2	2	2	2	2
	C	3	3	3	3	3	3
	B	4	4	4	4	4	4
	A	3	3	3	3	3	3

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X33 SEE NOTE 9 LEAD FREE OPTION	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		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X37 SEE NOTE 9 LEAD FREE OPTION	D	7	7	7	7	7	7
	C	6	6	6	6	6	6
	B	6	6	6	6	6	6
	A	5	5	5	5	5	5

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X04 SEE NOTE 9 LEAD FREE OPTION	D	4	4	4	4	4	4
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	4	4	4	4	4	4

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X08 SEE NOTE 9 LEAD FREE OPTION	D	3	3	3	3	3	3
	C	1	1	1	1	1	1
	B	1	1	1	1	1	1
	A	1	1	1	1	1	1

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X12 SEE NOTE 9 LEAD FREE OPTION	D	4	4	4	4	4	4
	C	3	3	3	3	3	3
	B	2	2	2	2	2	2
	A	1	1	1	1	1	1

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X17 SEE NOTE 9 LEAD FREE OPTION	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	3	3	3	3	3	3

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X34 SEE NOTE 9 LEAD FREE OPTION	D	8	8	8	8	8	8
	C	7	7	7	7	7	7
	B	7	7	7	7	7	7
	A	8	8	8	8	8	8

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X38 SEE NOTE 9 LEAD FREE OPTION	D	7	7	7	7	7	7
	C	5	5	5	5	5	5
	B	5	5	5	5	5	5
	A	5	5	5	5	5	5

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCj www.fcconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY		projection	title
H					0.XX ±0.13	MM			
					.XXX ±.051	scale			
				angles	0° ±2°				
				dr	T.BRUNGARD	11/19/99 <th></th> <th></th> <th></th>			
				enrg	M.STRAWSER	11/19/99 <th></th> <th></th> <th></th>			
				chr	M.STRAWSER	11/19/99 <th></th> <th></th> <th></th>			
				appd	M.STRAWSER	02/29/00 <th></th> <th></th> <th></th>			
sheet index		revision sheet							

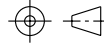


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		ROW	1	2	3	4	5			6	ROW	1	2	3	4			5	6	ROW	1	2	3			4	5	6	ROW	1	2	3	4	5	6																		
74789-X39 SEE NOTE 9 LEAD FREE OPTION		D	8	8	8	8	8	8	74789-X43 SEE NOTE 9 LEAD FREE OPTION		D	5	5	5	5	5	5	74789-X61 SEE NOTE 9 LEAD FREE OPTION		D	9	9	9	9	9	9	74789-X65 SEE NOTE 9 LEAD FREE OPTION		D	11	11	11	11	11	11	74789-X69 SEE NOTE 9 LEAD FREE OPTION		D	12	12	12	12	12	12	74789-X73 SEE NOTE 9 LEAD FREE OPTION		D	9	9	9	9	9	9
		C	8	8	8	8	8	8			C	5	5	5	5	5	5			C	9	9	9	9	9	9			C	12	12	12	12	12	12			C	9	9	9	9	9	9									
		B	8	8	8	8	8	8			B	7	7	7	7	7	7			B	9	9	9	9	9	9			B	11	11	11	11	11	11			B	11	11	11	11	11	11									
		A	8	8	8	8	8	8			A	5	5	5	5	5	5			A	9	9	9	9	9	9			A	12	12	12	12	12	12			A	9	9	9	9	9	9									

METRAL P/N		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		CONTACT CODE MOD. 1 THRU 3																											
		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																		
74789-X40 SEE NOTE 9 LEAD FREE OPTION		D	5	5	5	5	5	5	74789-X45 SEE NOTE 9 LEAD FREE OPTION		D	6	6	6	6	6	6	74789-X62 SEE NOTE 9 LEAD FREE OPTION		D	9	9	9	9	9	9	74789-X66 SEE NOTE 9 LEAD FREE OPTION		D	10	10	10	10	10	10	74789-X70 SEE NOTE 9 LEAD FREE OPTION		D	9	9	9	9	9	9	74789-X75 SEE NOTE 9 LEAD FREE OPTION		D	10	10	10	10	10	10
		C	6	6	6	6	6	6			C	5	5	5	5	5	5			C	9	9	9	9	9	9			C	10	10	10	10	10	10			C	9	9	9	9	9	9									
		B	7	7	7	7	7	7			B	6	6	6	6	6	6			B	10	10	10	10	10	10			B	11	11	11	11	11	11			B	10	10	10	10	10	10									
		A	8	8	8	8	8	8			A	5	5	5	5	5	5			A	11	11	11	11	11	11			A	12	12	12	12	12	12			A	9	9	9	9	9	9									

METRAL P/N		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		CONTACT CODE MOD. 1 THRU 3																											
		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																		
74789-X41 SEE NOTE 9 LEAD FREE OPTION		D	7	7	7	7	7	7	74789-X46 SEE NOTE 9 LEAD FREE OPTION		D	6	6	6	6	6	6	74789-X63 SEE NOTE 9 LEAD FREE OPTION		D	11	11	11	11	11	11	74789-X67 SEE NOTE 9 LEAD FREE OPTION		D	11	11	11	11	11	11	74789-X71 SEE NOTE 9 LEAD FREE OPTION		D	11	11	11	11	11	11	74789-X76 SEE NOTE 9 LEAD FREE OPTION		D	10	10	10	10	10	10
		C	5	5	5	5	5	5			C	7	7	7	7	7	7			C	10	10	10	10	10	10			C	11	11	11	11	11	11			C	11	11	11	11	11	11									
		B	7	7	7	7	7	7			B	8	8	8	8	8	8			B	10	10	10	10	10	10			B	11	11	11	11	11	11			B	12	12	12	12	12	12									
		A	7	7	7	7	7	7			A	7	7	7	7	7	7			A	11	11	11	11	11	11			A	11	11	11	11	11	11			A	11	11	11	11	11	11									

METRAL P/N		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		CONTACT CODE MOD. 1 THRU 3																											
		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																		
74789-X42 SEE NOTE 9 LEAD FREE OPTION		D	8	8	8	8	8	8	74789-X47 SEE NOTE 9 LEAD FREE OPTION		D	6	6	6	6	6	6	74789-X64 SEE NOTE 9 LEAD FREE OPTION		D	12	12	12	12	12	12	74789-X68 SEE NOTE 9 LEAD FREE OPTION		D	11	11	11	11	11	11	74789-X72 SEE NOTE 9 LEAD FREE OPTION		D	12	12	12	12	12	12	74789-X77 SEE NOTE 9 LEAD FREE OPTION		D	10	10	10	10	10	10
		C	7	7	7	7	7	7			C	6	6	6	6	6	6			C	11	11	11	11	11	11			C	10	10	10	10	10	10			C	10	10	10	10	10	10									
		B	6	6	6	6	6	6			B	6	6	6	6	6	6			B	11	11	11	11	11	11			B	10	10	10	10	10	10			B	10	10	10	10	10	10									
		A	5	5	5	5	5	5			A	7	7	7	7	7	7			A	12	12	12	12	12	12			A	9	9	9	9	9	9			A	11	11	11	11	11	11									

mat'l code				--		tolerances unless otherwise specified				CUSTOMER		 www.fcjconnect.com						
lfr	ecn no.	dr	date	linear	0.X ±0.3				COPY									
H					0.XX ±0.13				projection						title			
					.XXX ±.051				MM						METRAL SIGNAL HEADER			
				angles	0° ±2°				scale		1:1		product family		METRAL		code	
				dr	T.BRUNGARD 11/19/99				size		A		dwg no		74789		213	
				engr	M.STRAWSER 11/19/99												sheet	
				chr	M.STRAWSER 11/19/99												4	
				appd	M.STRAWSER 02/29/00													
sheet index		revision sheet																

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 3 MOD, 4 ROW STB
H					0.XX ±0.13				projection		
					.XXX ±.051						
				angles	0° ±2°						product family METRAL size 74789 A
				dr	T.BRUNGARD 11/19/99				scale		
				enrg	M.STRAWSE 11/19/99				1:1		
				chr	M.STRAWSE 11/19/99						sheet 4
				appd	M.STRAWSE 02/29/00						
sheet index		revision sheet									



PRODUCT NUMBER
74789-XXY
74789-XXYLF

PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-NIYY	TELCORDIA CO (NXT)	
-N5YY	TELCORDIA UE (NXT)	
-IYY	TELCORDIA CO	
-2YY	TELECOM CLASS	
-3YY	IEC CLASS I	
-5YY	TELCORDIA UE	
-9YY	TELCORDIA CO	
-NIYYLF	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 8
-N5YYLF	TELCORDIA UE (NXT) IEC CLASS I	SEE NOTE 8
-IYYLF	TELCORDIA CO IEC CLASS I	SEE NOTE 8
-2YYLF	TELECOM CLASS	SEE NOTE 8
-5YYLF	TELCORDIA UE	SEE NOTE 8

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:
74789-XXY IS SnPb
74789-XXYLF IS Sn (LEAD FREE)
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, 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.
- THE PRODUCTS WHERE THE PART NUMBERS END 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.) -NI--- OR (DRAWINGS 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.) -NI--- OR (DRAWINGS NO.) -N5--- WILL NOT WITHSTAND
REFLOW AND Au CONTACT SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A
MAXIMUM OF 140° C FOR NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.

FOR LEAD FREE PART NUMBERS, ADD "LF" SUFFIX.
EXAMPLE: 74789-X0ILF OR 74789-X0IPLF.

mat'l code				SEE NOTES		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
ltr	ecr no.	dr	date					COPY					
H				linear		0.X ±0.3		projection		title METRAL SIGNAL HEADER			
						0.XX ±0.13				3 MOD, 4 ROW STB			
				angles		.XXX ±.051							
						0° ±2°							
				dr	T.BRUNGARD	11/19/99		MM		product family		METRAL	code
				enrg	M.STRAWSE	11/19/99				size	dwg no		213
				chr	M.STRAWSE	11/19/99		scale		A		74789	sheet
				appd	M.STRAWSE	02/29/00		1:1					5
sheet	revision												
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