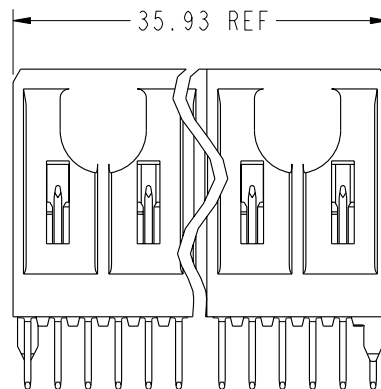
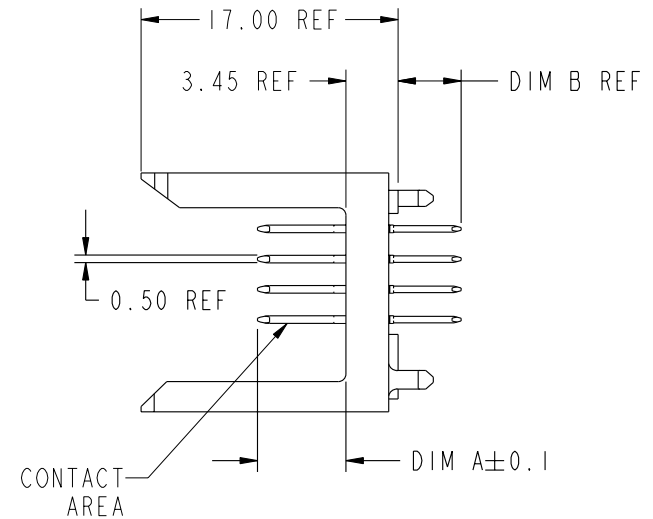
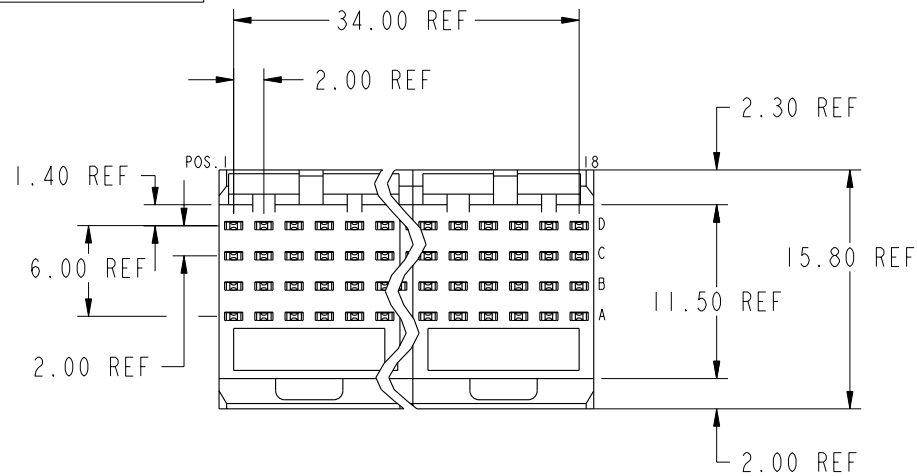
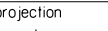


74789-XY YLF



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

Pro/E

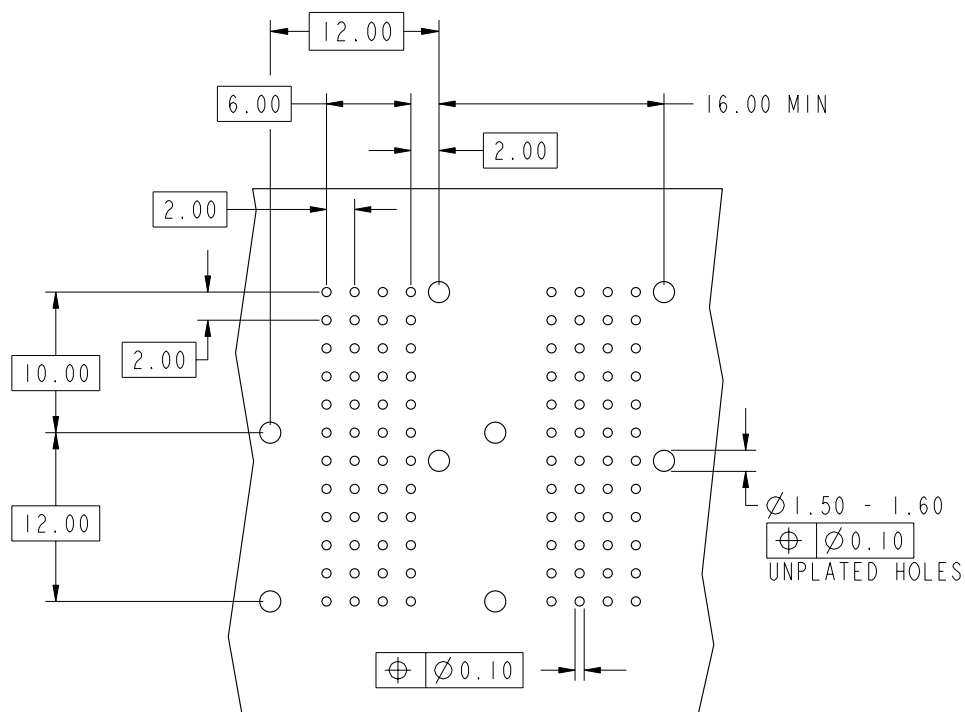
cage code	22526
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4

PDM: Rev:H

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

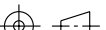
Printed: May 16, 2009



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		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	1:1		A	2				
sheet index		revision sheet												

cage code 22526

Pro/E

PDM: Rev:H

STATUS: Released Printed: May 16, 2009



METRAL P/N		ROW		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		ROW		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		ROW		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		ROW		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		ROW		CONTACT CODE MOD. 1 THRU 3															
74789-X01		D		1 1 1 1 1 1						74789-X05		D		3 3 3 3 3 3						74789-X09		D		4 4 4 4 4 4						74789-X13		D		1 1 1 1 1 1						74789-X31		D		5 5 5 5 5 5						74789-X35		D		7 7 7 7 7 7					
SEE NOTE 9 LEAD FREE OPTION		C		1 1 1 1 1 1						SEE NOTE 9 LEAD FREE OPTION		C		3 3 3 3 3 3						SEE NOTE 9 LEAD FREE OPTION		C		4 4 4 4 4 4						SEE NOTE 9 LEAD FREE OPTION		C		1 1 1 1 1 1						SEE NOTE 9 LEAD FREE OPTION		C		5 5 5 5 5 5						SEE NOTE 9 LEAD FREE OPTION		C		7 7 7 7 7 7					
		B		1 1 1 1 1 1								B		3 3 3 3 3 3								B		4 4 4 4 4 4								B		3 3 3 3 3 3								B		5 5 5 5 5 5								B		7 7 7 7 7 7					
		A		1 1 1 1 1 1								A		3 3 3 3 3 3								A		4 4 4 4 4 4								A		1 1 1 1 1 1								A		5 5 5 5 5 5								A		7 7 7 7 7 7					

METRAL P/N		ROW		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		ROW		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		ROW		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		ROW		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		ROW		CONTACT CODE MOD. 1 THRU 3															
74789-X02		D		1 1 1 1 1 1						74789-X06		D		2 2 2 2 2 2						74789-X10		D		1 1 1 1 1 1						74789-X15		D		2 2 2 2 2 2						74789-X32		D		5 5 5 5 5 5						74789-X36		D		6 6 6 6 6 6					
SEE NOTE 9 LEAD FREE OPTION		C		1 1 1 1 1 1						SEE NOTE 9 LEAD FREE OPTION		C		2 2 2 2 2 2						SEE NOTE 9 LEAD FREE OPTION		C		2 2 2 2 2 2						SEE NOTE 9 LEAD FREE OPTION		C		1 1 1 1 1 1						SEE NOTE 9 LEAD FREE OPTION		C		5 5 5 5 5 5						SEE NOTE 9 LEAD FREE OPTION		C		6 6 6 6 6 6					
		B		1 1 1 1 1 1								B		2 2 2 2 2 2								B		3 3 3 3 3 3								B		2 2 2 2 2 2								B		5 5 5 5 5 5								B		6 6 6 6 6 6					
		A		3 3 3 3 3 3								A		2 2 2 2 2 2								A		4 4 4 4 4 4								A		1 1 1 1 1 1								A		7 7 7 7 7 7								A		6 6 6 6 6 6					

METRAL P/N		ROW		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		ROW		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		ROW		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		ROW		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		ROW		CONTACT CODE MOD. 1 THRU 3															
74789-X03		D		3 3 3 3 3 3						74789-X07		D		3 3 3 3 3 3						74789-X11		D		3 3 3 3 3 3						74789-X16		D		2 2 2 2 2 2						74789-X33		D		7 7 7 7 7 7						74789-X37		D		7 7 7 7 7 7					
SEE NOTE 9 LEAD FREE OPTION		C		2 2 2 2 2 2						SEE NOTE 9 LEAD FREE OPTION		C		2 2 2 2 2 2						SEE NOTE 9 LEAD FREE OPTION		C		1 1 1 1 1 1						SEE NOTE 9 LEAD FREE OPTION		C		3 3 3 3 3 3						SEE NOTE 9 LEAD FREE OPTION		C		6 6 6 6 6 6						SEE NOTE 9 LEAD FREE OPTION		C		6 6 6 6 6 6					
		B		2 2 2 2 2 2								B		2 2 2 2 2 2								B		3 3 3 3 3 3								B		4 4 4 4 4 4								B		6 6 6 6 6 6								B		6 6 6 6 6 6					
		A		3 3 3 3 3 3								A		1 1 1 1 1 1								A		3 3 3 3 3 3								A		3 3 3 3 3 3								A		7 7 7 7 7 7								A		5 5 5 5 5 5					

METRAL P/N		ROW		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		ROW		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		ROW		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		ROW		CONTACT CODE MOD. 1 THRU 3						METRAL P/N		ROW		CONTACT CODE MOD. 1 THRU 3															
74789-X04		D		4 4 4 4 4 4						74789-X08		D		3 3 3 3 3 3						74789-X12		D		4 4 4 4 4 4						74789-X17		D		2 2 2 2 2 2						74789-X34		D		8 8 8 8 8 8						74789-X38		D		7 7 7 7 7 7					
SEE NOTE 9 LEAD FREE OPTION		C		3 3 3 3 3 3						SEE NOTE 9 LEAD FREE OPTION		C		1 1 1 1 1 1						SEE NOTE 9 LEAD FREE OPTION		C		3 3 3 3 3 3						SEE NOTE 9 LEAD FREE OPTION		C		2 2 2 2 2 2						SEE NOTE 9 LEAD FREE OPTION		C		7 7 7 7 7 7						SEE NOTE 9 LEAD FREE OPTION		C		5 5 5 5 5 5					
		B		3 3 3 3 3 3								B		1 1 1 1 1 1								B		2 2 2 2 2 2								B		2 2 2 2 2 2								B		7 7 7 7 7 7								B		5 5 5 5 5 5					
		A		4 4 4 4 4 4								A		1 1 1 1 1 1								A		1 1 1 1 1 1								A		3 3 3 3 3 3								A		8 8 8 8 8 8								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		title		www.fciconnect.com			
H										0.XX ±0.13		projection		METRAL SIGNAL HEADER					
								angles		.XXX ±.051				3 MOD, 4 ROW STB					
								dr		0° ±2°		MM		product family		METRAL			
								engr		T.BRUNGARD 11/19/99		scale		size		dwg no			
								chr		M.STRAWSER 11/19/99		1:1		A		74789			
								appd		M.STRAWSER 02/29/00						sheet index			
																revision sheet			



METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X39 SEE NOTE 9 LEAD FREE OPTION	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		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X43 SEE NOTE 9 LEAD FREE OPTION	D	5	5	5	5	5	5
	C	5	5	5	5	5	5
	B	7	7	7	7	7	7
	A	5	5	5	5	5	5

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X61 SEE NOTE 9 LEAD FREE OPTION	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		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X65 SEE NOTE 9 LEAD FREE OPTION	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		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X69 SEE NOTE 9 LEAD FREE OPTION	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		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X73 SEE NOTE 9 LEAD FREE OPTION	D	9	9	9	9	9	9
	C	9	9	9	9	9	9
	B	11	11	11	11	11	11
	A	9	9	9	9	9	9

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X40 SEE NOTE 9 LEAD FREE OPTION	D	5	5	5	5	5	5
	C	6	6	6	6	6	6
	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-X45 SEE NOTE 9 LEAD FREE OPTION	D	6	6	6	6	6	6
	C	5	5	5	5	5	5
	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-X62 SEE NOTE 9 LEAD FREE OPTION	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		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X66 SEE NOTE 9 LEAD FREE OPTION	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		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X70 SEE NOTE 9 LEAD FREE OPTION	D	9	9	9	9	9	9
	C	10	10	10	10	10	10
	B	11	11	11	11	11	11
	A	12	12	12	12	12	12

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X75 SEE NOTE 9 LEAD FREE OPTION	D	10	10	10	10	10	10
	C	9	9	9	9	9	9
	B	10	10	10	10	10	10
	A	9	9	9	9	9	9

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X41 SEE NOTE 9 LEAD FREE OPTION	D	7	7	7	7	7	7
	C	5	5	5	5	5	5
	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-X46 SEE NOTE 9 LEAD FREE OPTION	D	6	6	6	6	6	6
	C	7	7	7	7	7	7
	B	8	8	8	8	8	8
	A	7	7	7	7	7	7

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X63 SEE NOTE 9 LEAD FREE OPTION	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		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X67 SEE NOTE 9 LEAD FREE OPTION	D	11	11	11	11	11	11
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	9	9	9	9	9	9

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X71 SEE NOTE 9 LEAD FREE OPTION	D	11	11	11	11	11	11
	C	9	9	9	9	9	9
	B	11	11	11	11	11	11
	A	11	11	11	11	11	11

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X76 SEE NOTE 9 LEAD FREE OPTION	D	10	10	10	10	10	10
	C	11	11	11	11	11	11
	B	12	12	12	12	12	12
	A	11	11	11	11	11	11

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X42 SEE NOTE 9 LEAD FREE OPTION	D	8	8	8	8	8	8
	C	7	7	7	7	7	7
	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-X47 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	7	7	7	7	7	7

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X64 SEE NOTE 9 LEAD FREE OPTION	D	12	12	12	12	12	12
	C	11	11	11	11	11	11
	B	11	11	11	11	11	11
	A	12	12	12	12	12	12

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X68 SEE NOTE 9 LEAD FREE OPTION	D	11	11	11	11	11	11
	C	9	9	9	9	9	9
	B	9	9	9	9	9	9
	A	9	9	9	9	9	9

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X72 SEE NOTE 9 LEAD FREE OPTION	D	12	12	12	12	12	12
	C	11	11	11	11	11	11
	B	10	10	10	10	10	10
	A	9	9	9	9	9	9

METRAL P/N		CONTACT CODE MOD. 1 THRU 3					
ROW		1	2	3	4	5	6
74789-X77 SEE NOTE 9 LEAD FREE OPTION	D	10	10	10	10	10	10
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	11	11	11	11	11	11

mat'l code				--				tolerances unless otherwise specified				CUSTOMER		 www.fciconnect.com		
ltr	ecn no.	dr	date	linear	0.X ±0.3			COPY			title	product family				code
H					0.XX ±0.13			projection				METRAL				
					.XXX ±.051							size				
					0° ±2°			scale				74789				
				dr	T.BRUNGARD 11/19/99									A	sheet 4	
				engr	M.STRAWSER 11/19/99											
				chr	M.STRAWSER 11/19/99											
				appd	M.STRAWSER 02/29/00			1:1								
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 sheet 4		
				dr	T.BRUNGARD 11/19/99		scale				
				enrg	M.STRAWSE 11/19/99		1:1				
				chr	M.STRAWSE 11/19/99				cage code 22526		
				appd	M.STRAWSE 02/29/00						
sheet		revision									
index		sheet									



PRODUCT NUMBER
74789-XYX
74789-XYXLF

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	
-9YY	TELCORDIA CO	
-N1YYLF	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 8
-N5YYLF	TELCORDIA UE (NXT) IEC CLASS I	SEE NOTE 8
-1YYLF	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-XYX IS SnPb
74789-XYXLF 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.) -N1--- 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.) -N1--- 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-X01LF OR 74789-X01PLF.

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												
index	sheet												

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Authorized Distributor

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